Frequently Asked Questions

Where do I begin?
The Office of Enrollment Services will help you begin your higher education experience at Valley City State University. Call Enrollment Services at 701-845-7101 or 1-800-532-8641, extension 7101. You may also contact them by email at: enrollment.services@vcsu.edu.

Do I qualify for admission to the university?
Valley City State University requires students to complete a core group of high school courses to be eligible for admission as a freshman and a minimum GPA as a transfer applicant. There is no minimum ACT/SAT score required. Refer to the Enrollment Services section of this catalog for details.

How do I start the admission process? Are there any deadlines?
Your first step in applying to the university is to complete the application for admission. This may be done by submitting a paper application from materials received from the Enrollment Services Office, completing the online application at www.apply.vcsu.edu or printing off a paper application from our website, www.vcsu.edu/enrollmentservices. Although there isn’t an official application deadline, there are scholarship and financial aid deadlines, as well as residence hall room availability that may be jeopardized by applying late. Apply as soon as you are able. The $35 application fee may be paid online also or sent through the mail.

How much is it going to cost?
Your cost depends on where you come from. For complete cost structures, see the Business Office section of this catalog or go online at www.vcsu.edu/businessoffice/vp.htm?p=2806.

Am I eligible for financial aid?
The first step to applying for financial aid is to complete the Free Application for Federal Student Aid (FAFSA), which is available at www.fafsa.ed.gov. VCSU’s code is 003008.

Am I eligible for scholarships?
Valley City State University offers numerous scholarships to new and returning students. Scholarship eligibility for new students is based on your high school GPA, class rank, and ACT or SAT scores or college GPA for transfer students. Scholarships for returning students are based primarily on the GPA earned at VCSU. For more information on scholarships, new and returning students should contact the Office of Enrollment Services or the School of Education and Graduate Studies. Returning students should contact Enrollment Services and re-entering students should contact the Office of Financial Aid.

I want to become a teacher. Who do I talk to?
There are a number of sources to help you examine the teaching profession. You may contact the Office of Enrollment Services or the School of Education and Graduate Studies at VCSU to learn about our program and the profession. You may also visit with your high school teachers to gain insight into the profession.

Do I have to pay the technology fee even if I own my own computer?
Yes. The technology fee pays for more than just the computer. You are given access to the internet, your own email account and software. The help desk is available to you as well. This, plus maintenance of the network, printers and paper are provided through this fee. Having all students on the same software/hardware platform creates a powerful environment to support teaching and learning.

Do I have to live on campus?
VCSU requires all freshmen to reside on campus and be on the board plan. We have found that the residence halls provide a unique living experience that is a key ingredient to the total educational program. The residence halls provide a wide variety of educational, cultural, and social programs throughout the academic year.

How do I get an academic advisor?
The Office of Student Academic Services coordinates academic advising. You will be assigned an advisor according to your academic interest.

Is there an orientation program?
Yes. If you are starting the fall semester, you will have the opportunity to register for classes during new student orientation in the spring or summer. You will be contacted by the university to sign up for your date of preference. The fall opening activities weekend begins the Friday before the start of classes with activities ranging from Notebook Computer Distribution to social activities, floor meetings with your RA and group events to help you feel confident on campus. The orientation program continues throughout the fall semester in your Learning to Live, Living to Learn class, which covers topics related to the college and life experiences.

My computer knowledge is limited. Are there training opportunities available?
Yes. The technology fee pays for more than just the computer. When new students are issued a notebook computer, they take a short Care/Use of Notebook Computer class to learn about basic features of the notebook computer. It is recommended that students take CIS 170 during their first semester on campus to gain the skills necessary for maximizing the benefit of the notebook in their coursework. Help Documents are also available online to provide quick learning guides for the software and network services available at VCSU.

How do I get my VCSU transcripts?
Valley City State University provides official transcript ordering online. Current and former students with online CampusConnection access may order official transcripts in Self Service. Individuals without a CampusConnection account may order directly from the National Clearinghouse at www.getmytranscript.com.
Welcome to VCSU!

Thank you for your interest in Valley City State University. VCSU has served the state and region for 125 years and is comprised of a strong team of faculty and staff dedicated to your success.

At VCSU, you will have access to high-quality learning experiences in a technology-rich environment, along with many opportunities to participate in research, leadership, social and academic organizations, fine arts, and athletics.

This catalog outlines the many choices available as you plan your college program. The courses and program requirements described here are designed to increase your success as you prepare for the next exciting chapter in your life.

Be sure to consult this catalog regularly so you will understand the options available, the necessary requirements to achieve your goals, and the policies established to help ensure the value of the degree you earn.

Your decision to attend VCSU is a good one! We are very pleased to welcome you to campus.

Best wishes for your success,

Dr. Margaret Dahlberg
Interim President
How To Use This Catalog

This catalog is one of many tools you’ll use while a student at Valley City State University. Like any good tool, it’s best used when you keep it available, particularly when questions arise. The policies and procedures that govern your progress to a college degree are defined by the catalog in force when you enter VCSU. Because of this importance, we’ve taken every effort to provide you the most current information about courses and degree requirements. Despite this effort, policies do change. That is why we expect you to consult with your academic advisor (a faculty member assigned to you or chosen by you) routinely. We also recognize that your goals change. As you explore new ideas, and these ideas either confirm your goals or lead you to new ones, please see your advisor. If there is one phrase you’ll hear often, it will be, “see your advisor.”

A college education is also an experience directed by you. Ultimately, you are responsible for the decisions made about your education. A faculty advisor is just that, an advisor. Seeking guidance from more than one person is also some advice we hope you take seriously. That is why we have counselors available in Career Services, in Student Academic Services, and in the Academic Departments. VCSU prides itself on being learner-centered, and good advising is at the heart of this. Remember, it’s still up to you to use it wisely.

To help you we’ve provided this list to make this catalog work best for you:

**Identify the department of your intended major.**

Each major has a department from which the major’s specified courses are designed, approved, and taught.

**Identify general education requirements.**

Some refer to this as the “generals” or “basics.” All students must complete these courses. Refer to the general education section of this catalog for more details. Refer also to the section about your major to identify the specified general education requirements for your major.

**Identify the coursework required for your intended major.**

This information can be found on the catalog page describing your major. Work closely with your advisor to put together an academic plan. With your advisor, you are able to plan each term at VCSU well in advance.

**All students must complete a digital portfolio in order to graduate.**

See your advisor or consult the university web page describing the student portfolio requirements for the academic department of your major.

**Some classes are not offered every term.**

Many courses are offered alternate years or only one semester each year. Find out when a required or recommended course is offered. Plan accordingly.

**If you are an athlete, check with coaches about eligibility rules and academic progress.**

There are NAIA policies that apply to athletes that don’t apply to the general student body, so it is important to know them as you take courses.

**Know the procedures and deadlines for applying for financial aid.**

The federal financial aid program has deadlines and procedures that allow students the best opportunity for available aid. For more information check the financial aid section of this catalog.

**Information**

Academic Affairs 701.845.7202
Advising 701.845.7302
Athletics 701.845.7160
Bookstore 701.845.7141
Bridges/DCB 701.845.7490
Business Office 701.845.7232
Career Services 701.845.7252
Counseling 701.845.7424
Enrollment Services 701.845.7101
Financial Aid 701.845.7541
Foundation 701.845.7203
Graduate Studies 701.845.7303
Health Services 701.845.7212
Housing 701.845.7124
Learning Center 701.845.7461
Library 701.845.7277
President 701.845.7102
Registrar 701.845.7295
Student Affairs 701.845.7301
Student Center/Student Activities 701.845.7122
Equal Access/Equal Opportunity

Valley City State University is committed to non-discrimination in its educational policies and employment practices as required by law, specifically Title VII of the Civil Rights Act of 1964, as amended, Title I and Title V of the Americans with Disabilities Act of 1990, the Age Discrimination in Employment Act of 1967, the Equal Pay Act of 1963, and Title II of the Genetic Information Nondiscrimination Act of 2008. The University has given assurance of compliance with these regulations and subsequent amendments. The University will seek prompt and equitable resolution of allegations of discrimination, or retaliation for allegations. Discrimination for this policy includes allegations relating to race, religion, color, national origin, sex (including pregnancy and nursing mothers), age, marital status, physical or mental disability, equal pay, genetic information, and of allegations relating to sexual harassment. This procedure is in compliance with state and federal regulations.

With regard to Equal Employment Opportunity, the University will implement employment practices that exceed the minimal expectations of the law.

Inquiries concerning compliance may be directed to the VCSU Office of Human Resources (Jennifer Larson, McFarland 211, 701.845.7401) or to the Office of Civil Rights, U.S. Department of Education, 1220 N. Executive Hills Blvd., 8th Floor, 07-6010, Kansas City, MO, 64153-1367.

Reservation of Rights

The editors have made every effort to provide accurate information in this Catalog. Nevertheless, policies and information that the volume contains may have changed by the time of publication. The reader is therefore advised to consult the appropriate university division or department for any possible revisions.

Disclaimer

Catalogs and bulletins of educational institutions are usually prepared by faculty committees or administrative officers for the purpose of furnishing prospective students and other interested persons with information about the institutions that issue the same. Announcements contained in such printed material are subject to change without notice; they may not be regarded in the nature of binding obligations on the institutions and the state. In times of changing conditions it is especially necessary to have this definitely understood. Therefore, the Board of Higher Education makes this announcement in all catalogs and bulletins of information being issued by the state educational institutions of the North Dakota University System.

The right is reserved to change any of the rules and regulations of the University at any time, including those relating to admission, instruction, and graduation. The right to withdraw curricula and specific courses, alter course content, change the calendar, and to impose or increase fees similarly is reserved. All such changes are effective at such times as the proper authorities determine and may apply not only to prospective students, but also to those who already are enrolled in the University.
Valley City State University is a comprehensive institution of higher education offering a range of academic programs leading to bachelor’s and master’s degrees. Subject areas include art, business, communication, computer systems and software engineering, education, health and physical education, language and literature, mathematics, music, science, social science, and technology.

The university’s service area centers on southeastern North Dakota, but VCSU’s 1,300 students are drawn from hometowns around the globe. The student body spans a diverse range of ages, ethnicities, and learning objectives. VCSU makes courses and degree programs available using traditional on-campus courses, distance learning (online or interactive video), and hybrid formats that combine elements of both.

VCSU emphasizes the use of the latest technologies to enhance the learning experience. Each full-time on-campus student is issued a notebook computer, all students have easy access to high-speed wireless networking throughout campus, the latest multimedia technology, and classrooms equipped with the current educational technology. Students use these tools as an integral part of their education to enhance their learning and become skilled in using technology to excel in their careers.

The scenic VCSU campus, located on the banks of the Sheyenne River in southeastern North Dakota, is listed on the National Register of Historic Places. The campus features a combination of beautifully restored historic buildings and modern facilities fully equipped with technology. Located less than one hour’s drive from Fargo, North Dakota’s largest city, Valley City is known for its scenic beauty and comprehensive amenities.

VCSU’s long and proud history goes back to 1890 when it was founded as the State Normal School—chartered in the original North Dakota Constitution—with a mission focused on training teachers. In 1921, the school was authorized to offer bachelor’s degrees as the first major expansion of its curriculum beyond teacher education. In 1963, the school was renamed Valley City State College. In 1987, the college was renamed Valley City State University, a regional baccalaureate university of the North Dakota system of higher education. In 2005, VCSU began offering its first graduate program, a Master of Education degree.

Partnerships with private and nonprofit corporations provide unique and outstanding opportunities for both students and graduates. These partnerships enhance student development, provide valuable work experience through internships, and offer access to outstanding career opportunities. Examples of VCSU’s partnerships have included Microsoft, Eagle Creek Software, Oracle, Cisco Systems, and many others.

The annual U.S. News and World Report College edition has listed VCSU as a “Best College” each year from 1999 through 2014.

VCSU has earned the No. 1 or No. 2 spot among the Top Public Regional Colleges in the Midwest each of the last five years through 2014 in U.S. News’ America’s Best Colleges.

In January 2012 and again in January 2014, VCSU’s online Master of Education program earned national rankings in U.S. News’s first and second editions of Top Online Education Programs. VCSU’s online Bachelor’s program was also ranked nationally in the second edition.
**VCSU Mission**

Valley City State University is a public, regional university offering exceptional programs in an active, learner-centered community that promotes meaningful scholarship, ethical service, and the skilled use of technology. As an important knowledge resource, the University offers programs and outreach that enrich the quality of life in North Dakota and beyond. Through flexible, accessible, and innovative baccalaureate and master’s programs, VCSU prepares students to succeed as educators, leaders, and engaged citizens in an increasingly complex and diverse society.

**VCSU Vision**

Valley City State University will be nationally recognized for advancing important collaboration, fostering innovative engagement, and promoting noteworthy transformation. Through effective use of best practices in technology, teaching, and learning, VCSU will be a destination university for students in North Dakota and throughout the region, extending its reach and influence beyond the campus boundaries.

**University Purposes**

1. Award degrees in education, business, and the liberal arts and sciences, with all students documenting their competency in Aesthetic Engagement, Communication, Global Awareness, Technology, Collaboration, Effective Citizenship, Problem Solving, and Wellness.
2. Deliver a quality educational experience in an innovative culture and a technologically enhanced environment.
3. Serve the best interests of our students, region, and society.
4. Lead in effectively applying information media technologies for learning.
5. Promote the appreciation of diversity, a multicultural perspective, and global awareness.

**Core Values**

**Mission Driven**

We are committed to a learner-centered philosophy. We make education meaningful with positive relationships and effective practices.

**Quality and Integrity**

We have high expectations for results, integrity, and positive interpersonal relations in all we do.

**Innovation**

We are flexible, creative, and free to try new things. We have a strong work ethic, positive attitude, and open mind. We embrace change.

**Community**

We trust each other; we work well together, and we are involved with our local and extended communities.

**Diversity**

We believe that diversity of all kinds enriches the quality of thought, discussion, and learning.

**Accreditation**

The University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools (NCA), the National Council for the Accreditation of Teacher Education (NCATE), National Council for the Accreditation of Teacher Education-American Association of School Librarians (NCATE-AASL), and the National Association of Schools of Music (NASM). The Community School of the Arts is a certified member of the National Guild of Community Schools of the Arts.

The Higher Learning Commission of the North Central Association of Colleges and Schools
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604-1413

National Council for Accreditation of Teacher Education
2010 Massachusetts Avenue NW, Suite 500
Washington, DC 20036-102

National Association of Schools of Music
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190

Valley City State University is a member of the National Association of Intercollegiate Athletics and the Association of Independent Institutions.

National Association of Intercollegiate Athletics
1200 Grand Boulevard
Kansas City, MO 64106

Valley City State University is a public institution registered as a private institution with the Minnesota Office of Higher Education pursuant to Minnesota Statues, sections 13A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

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**Complaint Compliance**

Valley City State University is committed to providing a high quality educational experience, fully supported by a range of academic and administrative services. It is our intention to meet the students’ educational goals through a positive and rigorous academic experience. In an instance where the student has a concern, it may be voiced through the normal administrative procedures which include meeting with his or her academic adviser, faculty member, or the Director of Student Academic Services. If the student decides to pursue a formal complaint, the process is outline in the Student Handbook, page 22.

To pursue state level resolution, contact Lisa Johnson at 701-858-3494.
Partnerships Valley City State University partners with other organizations to provide opportunities for students and to meet the needs of North Dakota. Current partnerships include:

**ASUG** is the world’s largest independent community of SAP customers and providers, consisting of more than 75,000 individual members from 1800 companies. The program complements membership in the SAP University Alliance and provides the right mix of training, technology, and real-world experience that can extend classroom learning, enable innovation, and empower the next generation of business and technology leaders.

The University Connection program builds relationships with the universities and students to create dialog and encourage collaboration within the SAP ecosystem. It is more important than ever to continue to network and share experiences across all industries, including higher education. With the challenges many companies experience finding qualified SAP resources, the advantage of collaborating within the ASUG community of experts has become even more crucial.

**Barnes County Historical Society and Museum**

The Social Science Department and the Barnes County Historical Society and Museum have worked together for a number of years to provide students with practical museum and archival experiences. Through an independent Museum Studies course, students create a program that suits their personal goals and interests. In the past, students have created displays, carried out research, accessioned acquisitions, conducted oral interviews, and developed museum tours. This collaboration has also served to strengthen the ties between VCSU and the Valley City community.

**EduTech** is a publicly supported center that aims to improve teaching with technology in all North Dakota school districts through training, consulting, and resource services. EduTech is located in the Regional Technology Center.

**National Center for Technological Literacy**

VCSU is a senior partner with the National Center for Technology Literacy at the Boston Museum of Science. The partnership brings with it significant recognition for the high quality of our Technology Education and Science, Technology, Engineering, and Math (STEM) related programs. The partnership exists to promote professional teacher education in standards-based technology education and STEM subjects. A cornerstone of our relationship is VCSU’s initiative, Closing the Technology and Engineering Teaching Gap. VCSU students have a unique opportunity to learn about and use teaching materials developed by the Museum of Science and participate in NCTL programs.

**Regional Technology Center**

The Regional Technology Center serves as an incubator for new information technology businesses. The facility attracts businesses that can provide work experiences for students and opportunities to learn about entrepreneurship.

**SAP** VCSU is a member of the SAP University Alliance program, which allows us to incorporate SAP software, such as SAP ERP, into our business and information technology coursework. This gives students hands-on experience with popular application software, adding immediate value to their skills in the marketplace.

SAP is a provider of collaborative business solutions for all types of industries and for every major market. Serving more than 41,200 customers worldwide, SAP is the world’s largest business software company and the world’s third largest independent software provider overall.
South East Education Cooperative

VCSU is a cooperating partner in the South East Education Cooperative (SEEC). This cooperative, which is authorized by legislation in North Dakota, includes thirty-five school districts serving 30,000 students in the southeastern part of the state. Cooperating partners include VCSU, NDSU, NDSCS, Valley City Area Teacher Center, Career and Technical Education Centers, and Special Education Districts within the boundaries of the member schools. The SEEC serves to coordinate services for school administrative functions, provide professional development for staff, and enhance student services opportunities.

Valley City Area Teacher Center

The Teacher Center serves as the “education connection” between VCSU’s Teacher Education Program, schools in this region, and state educational support agencies. The Teacher Center is a vehicle to serve practicing teachers and education students with professional development and resource materials.

Valley City/Barnes County Development Corporation

As a key base industry, VCSU has provided a foundation for growth for Valley City and the Sheyenne River Valley region. University leaders serve on the Development Corporation board of directors and work actively to support regional economic development.

Valley City State University Community School of the Arts

The VCSU Community School of the Arts provides the citizens of Valley City with access to a variety of arts programs. The ever-changing curriculum reflects the desires and needs of the community as well as the contribution the Community School makes to nurturing a lifetime of learning and involvement with the arts.

Online Providers

Ed2Go Courses

Ed2Go (Education To Go) is a leading provider of online continuing education—offering more than 250 non-credit online courses taught by expert instructors. Ed2Go has partnered with Valley City State University to offer these courses.

CE Credits Online

CE Credits Online is a nationwide provider of university-accredited, high-quality, standards-based, online continuing education courses that focus on improving teaching and student achievement. CE Credits Online curricula is content-rich and abundant with research-based strategies to improve classroom and school environments, to move educators to intentional best practice, and to improve student achievement. Valuable for new and experienced teachers, teams, leads, mentors and administrators (K-12).

MindEdge Online

MindEdge Online courses are designed to help you improve your professional knowledge and skills to take the next steps in your career. All MindEdge Online courses are developed by business school professors, industry professionals, and subject matter experts. Courses are available 24 hours a day from any device with an Internet connection. Courses combine interactive exercises, mini-cases, video, and focused reading to ensure that they are not only engaging, but that you really learn.

Centers and Institutes

North Dakota University System Board-Recognized Centers and Institutes at Valley City State University

Prairie Waters Education and Research Center

Director: Andre DeLorme
11810 51st Street SE
Kathryn, North Dakota 58049
701.845.7570
www.vcsu.edu/prairiewaters/

The Prairie Waters Education and Research Center provides environmental education and research opportunities for students, teachers and professionals in North Dakota. The center is located in the former Kathryn School in Kathryn, North Dakota, approximately 20 miles south of Valley City.

Great Plains STEM Education Center

Executive Director: David DeMuth
Valley City State University–Rhoades Science Center
701.845.7433
gpstem.vcsu.edu/

The Great Plains STEM Education Center’s goal is to bring North Dakota to the forefront of STEM education. The center’s role is to provide leadership, professional development for teachers and administrators, documentation of STEM education competence through endorsements that appear on licenses and certificates that appear on transcripts, promote student competitions, and connect with the larger community.
Articulations

Career and Technical Education Articulations
VCSU has agreements with the following colleges for the purpose to facilitate credit transfer and provide smooth transition from one related degree program to another:
- North Dakota State College of Science
- Lake Region State College

Dakota College at Bottineau Articulations

Fisheries and Wildlife Science  The VCSU Fisheries and Wildlife Science major on the Dakota College at Bottineau campus. Courses in this program are taught over Intervideo network (IVN). The success of this program has affected VCSU in two ways: first, VCSU has experienced strong enrollment in this program, doubling the number of majors from Fall 2009 to Fall 2010. Second, the strength of this agreement has led to three other agreements, each of which brings students to VCSU while also benefiting DCB’s programs and enrollment.

Computer Information Systems Provides seamless articulation of credits for students to earn an Associate in Applied Science Degree in Information Technology from Dakota College at Bottineau to transfer to VCSU to earn a Bachelor of Science or Bachelor of Arts in Computer Information Systems (CIS) from VCSU.

Bottineau (DCB) Nursing Program VCSU has an agreement with the Dakota College at Bottineau through the Dakota Nursing Program that allows students to earn their Practical Nurse (PN), Associate Degree Nursing (ADN) or Registered Nurse (RN) titles right here in Valley City. Under the program, VCSU’s pre-nursing curriculum provides the coursework for these students to meet their general education requirements, and they receive their classroom instruction in nursing via Interactive Video Network (IVN) from Dakota College at Bottineau. Clinical practice opportunities for these students are available through healthcare providers located in Valley City including the Sheyenne Care Center and Mercy Hospital.

AAS at VCSU  In collaboration with DCB, VCSU is working on offering AAS degrees in Caregiver, Medical Assistant and Paraeducation.

Bridges Program The Bridges Program is a unique collaborative program offered by Dakota College at Bottineau (DCB) and Valley City State University (VCSU).

This program is available to students who are not eligible for admission at VCSU but want to attend college, pursue a four-year degree, and remain in the Valley City area. These applicants can apply to the Bridges program where they become DCB students located on the VCSU campus.

After the completion of 24 credits, the students will then transfer to VCSU and complete a four-year degree.

NDSU Elementary Education  VCSU partners with North Dakota State University in delivering its Elementary Education programs in Fargo.

Universidad Autónoma de Baja California Sur (LaPaz) Sister University  Students may spend a semester or more studying and improving their Spanish language skills at this university.

UND Bridges - Bridge to Master’s The Graduate School of the University of North Dakota (UND), Grand Forks, ND, and Valley City State University (VCSU) have developed a partnership allowing VCSU senior level students to gain advanced standing in the master’s degree program at UND. The Bridge to the Master’s of Business Administration degree program provides highly qualified VCSU students the opportunity to work toward the MBA degree offered by the University of North Dakota while completing their undergraduate degree requirements at Valley City State University.

Wyoming Community Colleges Education Programs
In 2008, VCSU signed an articulation agreement with Northwest College (Powell, WY) that offers students in Wyoming the opportunity to complete VCSU’s Elementary Education, Technology Education, English Education and History Education degree programs via distance learning. The agreements address an unmet demand for Elementary, English and History Education degree opportunities throughout the state.

An Associates in Arts or Science will transfer as a block fulfilling all General Education Requirements.

Other Wyoming Community Colleges partnering with VCSU include Casper College, Central Wyoming College, Eastern Wyoming College, and Laramie County Community College.

Northern Information Technology Consortium (NITC) The following colleges agree to collaborate on the exchange and delivery of information technology (IT) courses and degrees: Dakota College at Bottineau, Lake Region State College, Turtle Mountain Community College, Valley City State University, and Williston State College.

Zhejiang Economic & Trade Polytechnic (ZJEPT) This agreement allows faculty and student exchanges between VCSU and ZJEPT

For a complete list of Articulations go to http://www.vcsu.edu/academics/vp.htm?p=2524
2014–2015

Academic Calendar

Specific Add/Drop dates for each semester can be found at www.vcsu.edu/registrar.

Fall Semester 2014

August
25 Registration/Classes start at 4:00 p.m.
26 First full day of classes

September
1 Holiday—Labor Day

November
11 Holiday—Veterans Day
11-12 Early Spring Registration
13 Spring Registration Opens
27 Holiday—Thanksgiving
28 Holiday—Day after Thanksgiving

December
1 Last Day to Apply for Spring Graduation; Classes Resume
15-19 Last Week of Classes/Finals Week
23 Grades Due

Spring Semester 2015

January
12 Registration/Classes start at 4:00 p.m.
13 First full day of classes
19 Holiday—Martin Luther King Jr. Day

February
16 Holiday—Presidents Day

March
13 Spring Break Begins 5:00 p.m.
23 Classes Resume; Summer Registration Opens

April
3 Holiday
7 Classes Resume
7-8 Early Fall Registration
9 Fall Registration Opens

May
1 Last Day to Apply for Summer and Fall Graduation
11-15 Last Week of Classes/Finals Week
16 Commencement
19 Grades Due
25 Holiday

Summer Semester 2015

June
8 Summer Session Begins

July
3 Holiday
2015–2016

Academic Calendar

Specific Add/Drop dates for each semester can be found at www.vcsu.edu/registrar.

Fall Semester 2015

August
24  Registration/Classes start at 4:00 p.m.
25  First full day of classes

September
7   Holiday - Labor Day
11  Holiday—Veterans Day
10-11 Early Spring Registration
12  Spring Registration Opens
26  Holiday—Thanksgiving
2  Holiday—Day after Thanksgiving
30  Classes Resume

December
1   Last Day to Apply for Spring Graduation
14-18 Last Week of Classes/Finals Week
22  Grades Due

Spring Semester 2016

January
11  Registration/Classes start at 4:00 p.m.
12  First full day of classes
18  Holiday—Martin Luther King Jr. Day

February
15  Holiday—Presidents Day

March
11  Spring Break Begins 5:00 p.m.
21  Classes Resume;
25  Holiday Registration Opens
28  Holiday

April
5-6  Early Fall Registration
7   Fall Registration Opens
1  Last Day to Apply for Summer and Fall Graduation
9-13 Last Week of Classes/Finals Week
14  Commencement
17  Grades Due
30  Holiday

Summer Semester 2016

June
6   Summer Session Begins

July
4   Holiday
UNDERGRADUATE APPLICATION PROCEDURES

Applicants are admitted to study at Valley City State University on the basis of academic and personal qualifications, consistent with the admission policies established for all public colleges and universities in the state.

DISCLAIMER: The admission standards are currently under review by the North Dakota State Board of Higher Education based on the Pathways to Student Success plan. Please check the VCSU Enrollment Services website for the most current procedures at www.vcsu.edu/enrollmentservices.

Admission of Freshman Students

A freshman applicant is one who has not attended a post-secondary institution after having graduated from high school.

Applicants are evaluated on an individual basis. The university uses selective criteria in order to assure adequate preparation which will enable students to be successful in their academic pursuits. VCSU reviews the following criteria:

1. High school GPA (unweighted)
2. Composite ACT score or SAT critical reading and math scores*
3. Core course completion (English, math, science and social sciences)**
4. Residency Status

* If you are 25+ years old on the first day of class OR you have 24+ transferable college credits, you’re not required to submit ACT or SAT test scores. However, if you’ve taken the ACT or SAT, it’s highly recommended that you submit your official scores to the Enrollment Services Office for proper placement into English and math courses.

** If you are 25+ years old on the first day of class, you are exempt from this requirement.

Admission Procedures

To be considered for freshman admission, students must submit the following:

1. A completed Application for admission at apply.vcsu.edu
2. A non-refundable fee of $35.00.
3. An official copy of the high school transcript or proof of successful completion of the General Education Development Test (GED)*.
4. Verification of immunization (MMR).* Such verification shall be proven by:
   - Presenting evidence of two doses of measles, mumps, and rubella (MMR) vaccine no less than one month apart,
   - Presenting proof of a positive serologic test for measles,
   - Presenting proof of date of birth prior to 1957.

*Exceptions to this policy may be granted for medical reasons (certified by a licensed physician) or religious or philosophical objections (form available from Enrollment Services Office).

This requirement applies to all students. No student will be officially admitted without the report on file with the Enrollment Services Office.

If you are under 21 and residing in campus housing you must provide documentation of immunity against meningococcal disease. See campus Housing section for details.

5. Official ACT or SAT scores (unless the applicant is 25 or older). The ACT writing test is not required.
6. Official College Transcripts. Students taking course work at colleges or universities while enrolled in high must send official transcripts. To be considered official, the transcript must be sent directly to VCSU from the issuing institution. Transcripts can be sent at the completion of all college course work and are not necessary to make an initial admission decision.

Applicants who did not graduate but have completed all GED tests and have obtained a passing score of 150 points or more per section will be evaluated on an individual basis.

Admission of Transfer Students

A transfer applicant is defined as any student who has previously attended one or more post-secondary institutions after having completed high school. In order to be considered for admission, transfer applicants must:

1. Be in good standing (not on dismissed or suspended status) at the most recent institution attended and
2. Have a minimum GPA of 2.00 on a 4.00 scale.

Transfer applicants who do not meet these requirements may be evaluated on an individual basis. A complete application to VCSU requires the following:

1. A completed Application for admission at apply.vcsu.edu
2. A non-refundable fee of $35.00.
3. Official transcript of all previous academic work from each institution attended by the applicant. Transfer credits are evaluated by the Registrar. A copy of the evaluation is sent to the student upon completion of the evaluation. Students who are dissatisfied with course equivalency determinations may consult directly with the appropriate Department Chair or Dean in an attempt to more precisely define equivalencies or identify appropriate substitutions.
4. Verification of immunization (MMR). See item four in Admission of Freshman Students section.
5. An official copy of the high school transcript or GED results (see freshman section for GED details). This is not required of applicants who have completed 24 or more semester (36 quarter) hours of transferable credit.
6. Results of the American College Test (ACT) or the Scholastic Aptitude Test (SAT). This is not required of applicants who have completed 24 or more semester (36 quarter) hours of transferable credit.

The North Dakota University System (NDUS) has developed a general education transfer agreement to assist students who transfer within the NDUS. Click on the “Students” link at www.transfernd.com for details on the General Education Requirements Transfer Agreement (GERTA).

Admission of Canadian Students

Freshman and Transfer applicants from Canada should follow the applicable requirements outlined for freshman and transfer applicants above. In addition, Canadian students need to submit the following:

1. A Financial Certification Form must be submitted which shows proof of finances available for study in the United States. The form can be found online at www.vcsu.edu/international/.
2. $100 non-refundable tuition deposit (the tuition deposit is applied to the student’s account)
3. An International Express mail fee for the I-20 to be issued for successful border crossing.

The Western Hemisphere Travel Initiative (WHTI) requires all travelers to and from the Americas, the Caribbean, and Bermuda to have a passport or other accepted document that establishes the bearer’s identity and nationality to enter or re-enter the United States. For the latest regulations, go to www.vcsu.edu/international.

Admission of International Students

Valley City State University welcomes qualified students from countries around the world. To be eligible for admission, such students must have completed the university preparatory program in their own countries, give evidence of ability to succeed in university study, and demonstrate competence in use of the English language.

International students must also be able to pay their expenses while they attend the university. Except for students from countries with approved national health plans, all international students are required to purchase the health insurance plan which has been approved by the North Dakota University System.

International student applicants must have completed application files submitted, including required deposits, by the following dates:

- Fall Semester May 1
- Spring Semester October 1
- Summer Term March 1

NOTE: Because of limited services available, a summer session start term is not recommended.

In addition to the International Undergraduate Application for Admission, a completed application to Valley City State University requires:
1. A completed Application for admission at apply.vcsu.edu
2. A non-refundable fee of $35 (USD)
3. Verification of immunization (MMR). See item four in Admission of Freshman Students section.
4. Official Test Scores from TOEFL (Test of English as a Foreign Language). The minimum required TOEFL score on the paper-based test (PBT) is 523, 68 for the internet-based test (iBT) or 6.0 for the International English Language Testing System (IELTS). Scores must be sent directly from the testing center to Valley City State University. Go to www.ets.org for information on the TOEFL.
5. Official academic transcript used for admission purposes or for the evaluation of credit to be transferred must be translated into English and must be official records bearing a signature of the appropriate official from the institution and the institution’s seal.

The evaluation firm approved for VCSU is WES (World Education Services). The Comprehensive Course by Course Report is required and it is the student’s responsibility to pay the required fee for this service.

Go to www.wes.com for details and instructions of what must be provided.

6. Students seeking credit for transfer work from a United States institution must complete the following:
   a. Have official academic transcripts sent directly to the Enrollment Services Office from all U.S. institutions previously attended.
   b. Complete the VCSU Supplemental Information Form for International Transfer Applicants (to be completed by the applicant’s present or
most recent foreign student advisor).

c. Meet all admission requirements and demonstrate maintenance of their immigration status at the previous school.

d. Request that the institution most recently attended complete the transfer requirement within SEVIS.

7. Proof of finances available to meet all educational, living and travel expenses for the entire period of time the student attends the University, including vacation periods.

a. The VCSU International Student Financial Statement must be completed.

b. Official documents indicating regular income and/or an account balance of the most recent six months supporting the amounts listed on the financial statement.

8. Pay a $100 non-refundable tuition deposit (the tuition deposit is applied to the student’s account).

9. All international students (except citizens from approved countries providing a national health plan) are required to purchase the health insurance policy specified by the state of North Dakota. The premium cost will be added to the student’s fees at the time of registration.

10. Pay an International Express mailing fee for the I-20 to be issued.

NOTE: In accordance with North Dakota State Board of Higher Education policy, all first-time VCSU international students must have a Mantoux skin test for tuberculosis prior to enrolling in and attending class. Some exceptions apply. Contact Enrollment Services for details.

Admission of Non-Degree Students

A non-degree student does not intend to earn a degree from VCSU but would like to enroll in (a) course(s). A non-degree applicant requires the following:

1. Application for admission at apply.vcsu.edu

2. A nonrefundable fee of $35.00.

Non-degree students are NOT eligible for financial aid programs. A maximum of 16 credits may be taken as a non-degree student, at which time the student must apply as a freshman or transfer student in order to take additional courses.

Non-degree status should not be confused with being deciding nor be used as a method to avoid admission requirements of any other admit type.

Admission of Home-Educated Students

For many home-educated students, Valley City State University is a great fit. VCSU follows the admission guidelines outlined by the North Dakota University System. Admission information provided by the applicant will be evaluated to determine if the applicant is qualified according to VCSU and NDUS admission standards. Home educated applicants to VCSU must submit, in addition to the application for admission and application fee:

1. Curriculum description or transcript showing the following:
   a. Specific listing of classes completed by the students identified and/or separated by class levels. A course syllabus or detailed description of course content may be requested.
   b. Clear identification of those courses which meet the North Dakota University System College Preparatory Requirements.
   c. Key explaining grading system and successful completion of coursework.
   d. Date of student’s graduation/completion of plan of study.
   e. Signature of the parent/instructor.
   f. Identification of any other private or public high school the student has attended OR a GED transcript (see freshman section for GED details).

2. Diploma/Certificate issued by the state or local school district in which the student resides if the district provides such a document.

3. ACT or SAT tests scores.

4. Verification of immunization (MMR). See item four in Admission of Freshman Students section.

Admission of Early Entry

Early Entry allows high school students to take courses at VCSU while completing their high school graduation requirements. Students who are in their sophomore year of high school and have earned a cumulative grade point average of 3.25 or higher are ideal candidates for the program.

The following materials must be submitted to the Office of Enrollment Services:

1. A completed application for admission at apply.vcsu.edu

2. A non-refundable fee of $35 (this fee will not have to be paid again at the time of freshman application)

3. A completed Early Entry Form, which includes a recommendation from the high school principal as well as permission from a parent or guardian (the form can be found online at www.vcsu.edu/enrollment services)

Returning Students

If a student has been away from VCSU for one regular semester or more they must submit:

1. A completed application for admission at apply.vcsu.edu

2. An application fee if the student did NOT pay the fee previously.

3. Official transcripts must be provided if the student has attended one or more colleges since leaving VCSU.
DAKOTA COLLEGE PROGRAMS AT VCSU

VCSU has partnered with Dakota College at Bottineau and now offers DCB programs on the VCSU campus. The opportunities created by this partnership are an ideal solution for working adults in the Valley City area who would like to earn a degree around their busy schedule.

Associate degrees can be completed in two years and provide the skills necessary for specific career areas, so they are a great fit for students looking to earn a credential that lands them a challenging and rewarding career.

General education courses taken through either campus will count toward a degree plan at both campuses.

Bridges Program

The Bridges Program is a unique collaborative program offered by Dakota College and Valley City State University. This program is available to students who are not eligible for admission at VCSU but want to attend college, pursue a four-year degree, and remain in the Valley City area.

Students apply to DCB to become a part of the Bridges Program. After the completion of 24 credits and required GPA, the students will then transfer to VCSU and complete a four-year degree. To learn more about the Bridges Program visit www.vcsu.edu/bridges.

Bridges Program students can fully participate in VCSU’s student life, housing, dining services, organizations, facility usage and activities (excluding varsity sports). This strengthens students’ academic foundation to help them succeed in a four-year setting.

DCB Bridges Academic Programs

Caregiver Services (A.A.S/Diploma): The Caregiver Program has two options. The CHILD option (diploma) focuses on services for children, and the ADULT option (A.A.S) focuses on services for the elderly and disabled.

Medical Assistant (A.A.S): Medical Assistants are multi-skilled professionals who work in health care settings and perform administrative and clinical procedures.

Practical Nurse (Certificate): This program prepares students to take the state board exams to become a licensed practical nurse (LPN).

Associate Degree Nurse (AND): This program prepares students to take the state board exams to become a Registered Nurse (RN).

Paraeducation (A.A.S): Paraeducators are employed as teacher assistants in early childhood, special education, elementary and secondary schools.

Associate in Science/Associate in Arts (A.S./A.A): An Associate Degree is an undergraduate award typically conferred by a two-year college. However, through an accommodating and innovative arrangement, a four-year university like VCSU and a two-year college like DCB cooperate to offer the Associate Degree where availability previously did not exist. Such is the case with this unique VCSU/DCB collaboration. The Associate of Science and the Associate of Arts Degrees prepare students to transfer to an upper level Bachelor Degree program.

Steps to Enroll in Bridges Program

1. Complete a DCB application for admission by visiting the following link: www.dakotacollege.edu/admissions.
2. Submit a $35 application fee to: Dakota College at Bottineau, 105 Simrall Blvd., Bottineau, ND 58318
3. Submit the following records: immunization records (MMR), ACT, COMPASS, or Accuplacer test scores.
4. Submit the VCSU housing application and $50 deposit fee to the VCSU Housing Office.

For general information on DCB programs at VCSU, contact: Joy Smith, Allen Memorial Library 215, VCSU Campus; 1-800-532-8641x7490; joy.smith@vcsu.edu; www.vcsu.edu/Bridges.
Valley City State University charges tuition per credit hour, based on resident status. Mandatory fees also are charged per credit hour, capping at 12 credits. Students enrolled in online courses are charged online tuition and mandatory fees per credit hour. For an estimate of charges, go to www.vcsu.edu/businessoffice/ and click on “Net Price Calculator.”

All financial obligations with the university must be paid on or before the due date at the beginning of each semester unless payment arrangements have been approved by the Business Office. A student who has not paid in full or set up an arrangement with the Business Office by the due date can be withdrawn for nonpayment at the current withdrawal rate. VCSU enrolled students may view their account balance and activity by accessing the VCSU website, clicking on the Campus Connection link, and entering their user ID and password. Since Valley City State University is a state-supported institution governed by the State of North Dakota, tuition and fees are subject to change by the Board of Higher Education or by the State Legislature at any time.

The University employs financial aid crediting as a means of delivering student financial aid. Under this process, financial aid awards to a student are applied as credits to the student’s account with the University, rather than being processed as payments to the student. After aid is credited, any balance owed by the student must be paid according to the general guidelines presented above. If financial aid credited exceeds the amount owed by the student, a refund will be issued to the student.

Residency Requirements for Tuition Purposes

Rules and regulations for determining resident status are specified under Section 15-10-19 of the North Dakota Century Code and are further defined under Section 504 of the North Dakota State Board of Higher Education Policy Manual. An application for North Dakota resident student status may be obtained from the Office of the Registrar and any questions on residence must be discussed with the Registrar before registration. The form must be filed and approved with the Registrar before the beginning of the semester.

North Dakota: For the purpose of determining legal residency for tuition purposes, a resident student is defined by law as follows:

1. A person whose custodial parent(s) or guardian have been legal residents of North Dakota for 12 months immediately prior to the beginning of the academic term;
2. A person 18 years of age or older who has been a legal resident of North Dakota for 12 months immediately prior to the beginning of the academic term;
3. A person who graduated from a North Dakota high school;
4. A full-time active duty member of the armed forces or a member of a North Dakota national guard unit;
5. A spouse or a dependent of a full-time active duty member of the armed forces or a member of a North Dakota national guard unit.
6. A spouse or dependent of an employee of any institution of higher education in the state;
7. The spouse of any person who is a resident for tuition purposes;
8. Any other person who was a legal resident of this state for at least three consecutive years within six years prior to the beginning of the academic term;
9. A child, spouse, widow, or widower of a veteran as defined in NDCC section 37-01-40 who was killed in action or died from wounds or other service-connected causes, was totally disabled as a result of service-connected cause, died from service-connected disabilities, was a prisoner of war, or was declared missing in action.

Minnesota: Residents of Minnesota and their dependents may attend a North Dakota state institution of higher learning and pay a special tuition rate that is lower than the normal non-resident rate. A student who has graduated from a Minnesota high school within the previous twelve months prior to the first term of enrollment will automatically be granted reciprocity status and will NOT be required to complete the reciprocity application process if the student’s state of residence coincides with the high school state and the student provides an official high school transcript. All other students will be required to file a reciprocity application. Students may apply for Minnesota reciprocity online at www.mheso.state.mn.us/hsed/reciprocity/apply1.cfm. Paper forms are available from the Enrollment Services Office and must be sent to: Minnesota Higher Education Coordinating Commission, 901 Capitol Square Building, 550 Cedar Street, St. Paul, MN, 55101. Students who participated in the reciprocity program and have earned credit in the previous 12 months will not have to reapply.
Contiguous States/Provinces: Although residents of South Dakota, Montana, Manitoba and Saskatchewan are not covered by reciprocity agreements, they pay lower tuition than do other non-residents, which is an amount equal to 125% of the North Dakota resident rate.

Western Undergraduate Exchange Program: Valley City State University participates in the Western Undergraduate Exchange (WUE) program. Currently, students from Alaska, Arizona, California, Colorado, Hawaii, Idaho, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming may enroll at a special tuition level which is an amount equal to 150% of the North Dakota resident rate.

Midwest Student Exchange Program: Valley City State University participates in the Midwest Student Exchange Program (MSEP). Currently, students from Kansas, Michigan, Missouri, Nebraska, and Wisconsin may enroll at a special tuition level which is an amount equal to 125% of the North Dakota resident rate.

Non-Resident: Any student less than 18 years of age, or any dependent student 18 years of age or older, whose parents or guardian reside outside the state of North Dakota and are not residents of any of the above states or provinces, is not considered to be a resident of the state of North Dakota.

Dependents of Alumni: The State Board of Higher Education has enacted a Tuition Incentive Program for non-resident dependents and spouses of graduates of North Dakota’s 11 public colleges. This Tuition Incentive Program allows undergraduate students who are dependents or spouses of graduates of North Dakota’s 11 public colleges to attend a North Dakota University System college at 150% of the North Dakota resident rate. A graduate for this Program is someone who has earned an associate, baccalaureate, masters, specialist, or doctoral degree from one of the University System colleges. A dependent is defined as someone who was claimed on the most recent federal tax return as a dependent of the graduate. Students from states included in other tuition reduction programs will be charged the lower of the two rates.

REFUND POLICY

Tuition refunds will be made according to the refund schedule to students who officially withdraw from the University. Requests for official withdrawal are made through the Office of Student Academic Services. Students receiving financial aid must also contact the Director of Financial Aid to develop a repayment plan. The refund is defined as the difference between the amount paid towards institutional charges (including financial aid and/or cash paid) and the amount the school can retain under the appropriate refund policy.

Refunds will be calculated on a percentage basis up to the 60% point in the semester. Please view our refund schedule and policy online at www.vcsu.edu/businessoffice/ select “Drop & Withdrawal Refunds.”

This Refund Schedule is subject to change at any time.

Room refunds will be determined on a weekly basis up to the 60% point of the semester.

Valley City State University has a traditional meal plan. Students enter into a contract in which they can choose from one of four different plans. A student shall receive a refund of the remaining balance of his/her flexible spending account and a prorated refund of their meal plan upon withdrawal through week 15.
Valley City State University makes every effort to provide financial assistance to eligible applicants through grants, loans, scholarships, employment, or a combination of these and other student aid programs. It is expected students will meet part of their need from earnings, and parents will contribute in proportion to their financial ability. A student applying for financial aid at Valley City State University is considered for a variety of federal, state, or institutional programs. Applications are evaluated to determine the individual need of the students; and awards are made with careful adherence to federal, state, and institutional guidelines. Complete descriptions of all programs, requirements, and qualifications are available online at www.vcsu.edu/financialaid. Financial assistance from Valley City State University is re-determined annually.

Application Period and Deadline
The application period begins January 1 of each year for the following academic year. To ensure first consideration for available funds, application materials must be received by the Office of Financial Aid by April 15. Application materials received after April 15 will receive full consideration if financial aid funds are available.

Eligibility
In order to be considered for federal aid, students must be in a degree-seeking program in which they declare a major/minor. Students not in a degree-seeking program may qualify for alternative loans from private lenders on a case-by-case basis. Once enrolled all students must be in compliance with Satisfactory Progress as explained in the policies on the VCSU Financial Aid website. Go to www.vcsu.edu/financialaid and click on “Satisfactory Progress Requirements.”

Collaborative Enrollment
Due to scheduling issues, many students pursuing a degree from VCSU find it convenient at times to take a required course (or courses) from another college/university online. These courses will be considered for a financial aid package provided the student is enrolled for a minimum of one VCSU course per semester and student files the appropriate Consortium Agreement found at www.vcsu.edu/documents/vp.htm?p=1294.

TYPES OF FINANCIAL AID

Federal Pell Grant All undergraduate students are eligible to apply for the federally funded Federal Pell Grant which is intended to be the foundation of a financial aid package. Federal Pell grants may be combined with other forms of aid to meet educational costs. Maximum grant awards are based on full-time enrollment, academic standing, and exceptional financial need. Awards will be pro-rated for part-time students.

Federal Supplemental Educational Opportunity Grant (FSEOG) These federal grants range from $200 to $4,000 and are generally offered to students with the greatest financial need. FSEOG funds are used to supplement student’s resources when all other forms of aid have been assigned.

Federal Work-Study Program Students may be offered part-time employment under the work-study program. On-campus jobs are available in the various administrative, academic, and staff areas.

Federal Teach Grant Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program that provides grants of up to $4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. Students must meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25) and must sign a TEACH Grant Agreement to serve each year the grant is received. Eligibility requires study in areas of “high-need” teaching.

Federal Perkins Loan This is a long-term, low-interest loan (5%) available to needy students attending Valley City State University. The amount of the loan is based on the eligibility of the applicant and the funds available at the University.

Federal Direct Loan Valley City State University students may be eligible to borrow funds through this federal program by demonstrating financial need. The loan program provides long term, low-interest benefits up to $5,500 per year.
Federal Unsubsidized Direct Loans Valley City State University students may be eligible to borrow funds through this federal program to help cover the expected family contribution. For dependent students, the combined amounts borrowed under the Federal Direct and Federal Unsubsidized programs cannot exceed the maximum levels listed in the subsidized program.

In accordance with Federal Regulations, Direct loan borrowers must complete a Master Promissory Note “Entrance Counseling” online at www.studentloans.gov before loan funds may be disbursed for the first semester.

Federal PLUS The Federal Parent Loan for Undergraduate Students (PLUS) provides loan assistance to the student. The loan rates are slightly higher than those of the Perkins and FSL. Parents may borrow up to the cost of education after other financial aid is subtracted.

Alternative Loans Some private lenders now make available loans that are very similar to the Direct Subsidized and Unsubsidized Loans. A student may borrow up to the budget established for an academic year. This loan is in addition to those funds already awarded either on campus or from outside sources (these amounts may not exceed the budget). A borrower must have a credit history or have a credit-worthy co-signer on the loan(s). Please contact the Financial Aid Office for more information or applications (701-845-7412).

OTHER FINANCIAL ASSISTANCE AVAILABLE AT VALLEY CITY STATE UNIVERSITY

International Student Tuition Waiver Established to attract and retain full-time students who are non-United States citizens and who are not classified as eligible non-citizens for federal financial aid.

Cultural Diversity Waivers Available for students of a culturally diverse group, who are defined as members of historically under-represented cultural, racial or ethnic heritage groups. Special consideration is given to members of federally recognized American Tribes and Alaskan Natives and Villages and graduates of tribally controlled community colleges in North Dakota.

STARS Program For students from states that don’t have a tuition reduction agreement with North Dakota, Valley City State University has designed the Student Talent and Academic Recognition Scholarship (STARS) program. These scholarships are awarded to freshman and transfer students on the basis of their GPA and ACT/SAT scores. The scholarship amounts range from $1,750 to $5,500 per year and are automatically renewed as long as the student remains in good academic standing. Contact the Office of Enrollment Services for details and application forms.

Veterans Benefits Veterans enrolling at Valley City State University may contact the VA certifying official located in the Registrar’s Office to apply for benefit eligibility. 701.845.7294

Tuition Waivers The State of North Dakota provides for waiver of tuition and some fees for dependents of North Dakota peace officers and fire fighters who were killed in the line of duty. Students must also demonstrate financial need. Student eligibility is established by providing verification to Enrollment Services in coordination with the Registrar’s Office.

Vocational Rehabilitation The North Dakota State Board for Vocational Rehabilitation through the Department of Human Services operates a program for rehabilitation. Information and application forms are available at regional Human Services offices located at Bismarck, Minot, Fargo, Jamestown, Grand Forks, Devils Lake, Williston, and Dickinson. Vocational Rehabilitation programs may provide financial assistance to eligible clients.

North Dakota State Student Incentive Grant The North Dakota Student Financial Assistance Program provides grants to assist undergraduate students in need of financial assistance. The amount of the grant is determined by State appropriations and the number of applicants. Applicants must be enrolled in a qualified institution of post-secondary education within North Dakota.

The Valley City State University Foundation

The mission of the VCSU Foundation is to support Valley City State University by involving alumni and friends of the university in activities and private giving that meet the university’s needs and advance its welfare. The Foundation supports and coordinates the efforts of the Alumni Association, V-500, Booster Board, and major giving activities.

The VCSU Alumni Association hosts a number of outreach activities for alumni and friends of the University. The association also recognizes alumni for achievements in their careers by honoring them with the Alumni Service, the Certificate of Merit, the Distinguished Alumni, or the Young Alumni Achievement Awards.

Both V-500 and the Booster Board hold membership drives to raise dollars for the V-500 and Century Club Scholarship Programs.

Scholarships

Scholarships are gifts of money that are awarded on the basis of academic performance and potential. The Valley City State University scholarship program is made possible only through the generous donations from alumni and friends. Students must be enrolled full-time at VCSU to be eligible for scholarships and must be enrolled in on-campus courses.

To view available scholarships at VCSU, go to www.vcsu.edu/financialaid/.
Technology Services

Rhoades Science Center 117

Chief Information Officer
Joseph Tykwinski
joe.tykwinski@vcsu.edu
800.532.8641 extension 37330
701.845.7330
FAX 701.845.7349

Technology Service Desk
technology.services@vcsu.edu
800.532.8641 extension 37340
701.845.7340

Technology Service Desk Technical Support

The VCSU Technology Service Desk, located in VCSU Rhoades Science Center 117, provides technical support for computers, computer networking, telephone, and interactive video services. The full-service VCSU Technology Service Desk is available for phone and walk-in support approximately 12 hours per day, Monday-Thursday and 8 hours on Friday. A North Dakota University System Help Desk provides additional phone support 24 hours per day, 7 days per week.

Viking Card

The Viking Card is an ID card and a whole lot more. An embedded chip unique to each user controls access to campus events and to selected campus doors, such as the exterior door of an assigned resident hall. Use the card to track meal plans and discretionary dining dollars; checkout library materials and technology items from the Technology Service Desk; make purchases at the business office, bookstore and concession stands. A Viking Card web site allows students and parents to add value to the card and students can use the web site to monitor card balances and to immediately disable a lost or stolen card.

Personal Web Portal

All registered students have access to a personalized web-based portal. The portal organizes web-based services and provides a single point of access to email, a personal calendar, custom technical support documents, VCSU news and information, personal web site and file storage space, software downloads, and class information. Students have access to these services anytime, anywhere, on any computer with a modern web browser and network connectivity.

Online Learning Management System

All VCSU classes use an LMS (Learning Management System) to enhance student learning. The LMS includes tools for course handouts, announcements, group and private discussions, test administration, internet links, and delivery of course content. The typical classroom course uses one or more of the tools, while totally online classes use all of the available tools. An internet link to each online course a student is registered for automatically appears within the student's personal web portal.

IP Telephony and Unified Messaging

All VCSU employees and students have an IP (internet protocol) telephone extension and a Microsoft Exchange account. A special Cisco Systems “software phone” is available at no extra charge for all registered students. The software phone turns an ordinary computer into a sophisticated video phone that can be used to contact other users. Cisco System “Presence Detection” allows a user to see when another user can be contacted and the communication means available, e.g. voice call, video conference, chat, or voice mail. Calls and messages between users can be placed anywhere in the world without incurring long distance fees. Voice mail messages appear in the user Microsoft Exchange account along with email messages.

Web Conferencing

Faculty and students use a web conferencing system to allow guest speakers and students located at distant locations to participate in a live session. The system is occasionally used for general student advising and communication purposes. Users can collaborate via chat, voice, video, information appearing on the computer screen, and an electronic whiteboard.

Class Recordings

Some classes use a recording system to capture voice, computer, and video information. The system serves several purposes, including the following: 1) students absent from a class session can get a portion of the class information missed, 2) students can review a class session to improve their understanding or to review for an exam, and 3) faculty can create reusable multimedia resources and store them in the online learning management system.

Software Licensing and Distribution

VCSU obtains institutional site licenses for a variety of professional software. Microsoft Office Professional and antivirus software is available to all registered students. Other software is distributed to users based on the unique needs of learners and courses. The software is professionally installed on University
owned computers, or it may be accessed via an internet connection to special VCSU servers that host and execute the software. Reference the section on Notebook Computers for additional software available on VCSU owned computers.

Internet Access to Electronic Library Subscriptions

Web based servers provide registered students with convenient access to nearly all of the subscription based, electronic journals of the VCSU Library. This service extends valuable library resources to online students and to students studying off campus.

Campus Connections for Administrative Computing

Campus Connections is a North Dakota University System administrative computing service that provides all students with internet access to class registration, class schedules, grades, fee statements, and financial aid award statements.

Interactive Video Services

Some classes use internet based, two-way interactive video to provide real-time collaboration with other students and professionals at multiple locations. The North Dakota Interactive Video Network (IVN) is a high quality system used primarily for the delivery of entire courses. IVN classrooms are typically designed and equipped to be used exclusively for interactive video conferencing, especially when multiple sites are involved.

Notebook Computers

Every full time, on-campus student is issued a notebook computer for the entire semester. Every student enrolled in the VCSU elementary education program at the NDSU campus, regardless of part time or full time status, is issued a notebook computer for the entire semester.

Depending on the amount of technology fee paid as part of normal course registration, some part time students qualify to receive a notebook computer on a full time basis at no extra charge. If they do not qualify under the no-additional-fee provision, part time students may elect to pay an additional fee in order to have a computer issued to them on a full-time basis. The rules and process for full-time computer access by part time students is available at the VCSU Technology Service Desk or online at www.vcsu.edu/documents/policymanual/vp.htm?p=450.

Finally, part-time on-campus students have the following two options to gain access to a notebook computer at no additional fee:

1. Checkout a computer from the Technology Service Desk as needed for coursework and as available for homework, or
2. Share a computer with one other part time student who agrees to joint responsibility.

All users participating in the notebook initiative get new computers every 24–36 months, and software is upgraded at least annually. Notebook computer access includes Microsoft Office Professional (Word, PowerPoint, Excel, Access); image-editing, video-production, and antivirus software; a computer carrying case; and a computer-exchange service in case of damage or corruption. All VCSU graduates participating in the notebook computer initiative have the option to purchase the computer at the end of each lease.

On-Campus IT Services

In addition to notebook computers, classes and workshops held on the VCSU campus and at extended campus classroom locations in Fargo have access to the following IT services:

Smart Classrooms

Classrooms are equipped to take advantage of the notebook computers. A typical classroom includes tables, chairs, network and electrical connections for every student, a networked laser printer, a LCD projector, an interactive whiteboard, and other audio/video equipment.

Network Connections

Notebook computers can connect to the internet via Ethernet, phone modem, or cutting edge wireless. A fiber optic backbone network connects all buildings. There are approximately twice as many high speed, end-user, Ethernet connections as people. Wireless access points provide service throughout campus. Broadband connectivity is available off-campus from a variety of local internet service providers.

IT Equipment Checkout

Digital video cameras, digital still cameras, LCD projectors, amplified speakers, and document scanners are available for periodic checkout from the Technology Service Desk. This is a free service to all users.

Effects of World-Class Technology

This rich technology environment has enabled a transformation of nearly all aspects of the learning environment. Faculty have become proficient at integrating technology in instruction, including online environments. Students are more involved in the learning process as they use their computers to take notes, conduct research, communicate, create, and solve problems. Students develop electronic portfolios that demonstrate abilities not documented on a resume or transcript. The campus web site has become the preferred campus information system, and in many cases the only source of particular information. Multiple surveys, conducted over several years, provide evidence that students, faculty, and staff believe the information technology at VCSU provides a more effective learning environment.
Prospective students are introduced to Valley City State University at high school college fairs, through high school visits by university admission counselors, and through campus visits. All new students are encouraged to take part in a summer registration and orientation program. Students and parents take part in a series of informational and social activities designed to acquaint them with the campus. New students meet with an adviser and register for fall semester classes during the summer program.

Each Fall Semester all new students take part in the university orientation program known as Learning to Live, Living to Learn. The program is conducted in small class sessions, under the supervision of a faculty member. Learning to Live meets for 11 consecutive weeks in the fall semester. Upperclass students serve as mentors for each group and assist students in the transition to college.

A complete building schedule is posted near the entry ways of the Student Center. Students should watch for changes in the building schedule during holidays.

**Information Desk**

The Student Center Information Desk serves as the campus Housing office, Student Center Administrative office and the University Information Center. In addition, the Information Desk provides a lost and found service, booster cables to start vehicles, and administers the university identification card system and campus vending operation. Students wishing to cash checks may do so at the Information Desk.

**Recreational Facilities**

The Student Center game room is equipped with pool, ping-pong, and foosball. The swimming pool is available for recreational swimming. A complete American Red Cross swimming class schedule is also available including lifeguard and water safety instructor training. In addition, students may participate in numerous physical fitness swimming activities including aquacise and lap swimming.

**Identification System**

The Valley City State University Identification System, the Viking Card, is also operated by the Student Center Information Desk. All students have identification cards processed at the time of first enrollment at VCSU. The card is used during the student’s entire period of enrollment at Valley City State University. The Viking Card is the property of Valley City State University and must be surrendered upon request by school officials. This card is the official university identification and must be carried for admittance to a number of university functions. Identification cards are not transferable and may not be altered or duplicated. Students must report lost, mutilated, or stolen cards promptly to the Student Center Information Desk.

**Sodexo Food Service**

The Valley City State University Food Service Department is managed by Sodexo Food Service. Meals are provided in the cafeteria and the Viking I. The menus contain an unlimited seconds program with numerous built-in trendsetters and specials. The board contract is required of all residence hall students. Questions regarding the food service should be referred to the Food Service Director or by going online to www.vcsudining.com. Students may wish to inquire at the Food Service Office regarding special food service plans for commuters.
**Bookstore**

701.845.7141  
bookstore.vcsu.edu

The Bookstore, located on the main level of the Memorial Student Center, carries a variety of trade books, reference books, computer supplies, office supplies, giftware, and apparel.

Textbook and book buyback policies are managed by the Bookstore. The textbook area is located in the lower level of the Student Center. Questions or comments should be directed to the Bookstore Manager.

**Mail Service**

Mail Service is handled by the Bookstore. Mail is distributed Monday through Saturday. All students living in the residence halls will be assigned a mailbox by the Bookstore. The mailboxes, as well as a drop for outgoing mail, are located in the lower level of the Student Center. Packages and other mail that is too large for the student mailboxes will be held at the Bookstore located in the upper level of the Student Center, and will be available for pick-up during regular business hours. Students will be notified by email when they have a package at the Bookstore.

Stamps are available at the Bookstore and the Information Desk in the Student Center. The Bookstore also offers shipping through Federal Express.

Any questions regarding mail services should be directed to the Bookstore.

**STUDENT ACTIVITIES**

www.vcsu.edu/campus life/

Student activities are sponsored by the Viking Campus Activities Board (VCAB), a student group of volunteers who organize events on campus.

With those VCAB activities, more than 30 student organizations and honor societies, and intramural sports from golf to volleyball, there’s always something going on. And if there’s an organization that we don’t have, you can form it; there’s bound to be other students interested in the same thing.

One of the biggest challenges you’ll face is how to balance all of the fun of extracurricular activities with the hard work and fun of your academic coursework.

**Student Government**

Student Senate  
Viking Campus Activities Board  
Finance Commission  
Inter-Residence Hall Council (IRHC)

**Fraternities and Sororities**

EBC  
Philomathian

**Honor Societies and Special Interest Clubs**

The following student organizations and clubs are formally recognized by Valley City State University. Not all of the organizations are currently active.

- Alcohol Task Force  
- Alpha Lambda Delta  
- Art Alliance  
- China Club  
- College Republicans  
- Coloring Club  
- DECA  
- English Club  
- Fellowship of Christian Athletes  
- Fisheries & Wildlife Conservation Club  
- Golf Club  
- History Club  
- Inter Fraternity-Sorority Council (IFSC)  
- Improv Club  
- International Student Club  
- NAfME (National Association for Music Education)  
- Newman Club  
- Phi Beta Lambda (PBL)  
- Pi Omega Pi  
- Pre-Professional Club  
- Psychology Club  
- Sigma Tau Delta  
- SNDEA (Education)  
- Society of Human Resource Management (SHRM)  
- Spanish Club  
- Tennis Club  
- VCSU Theatre Club  
- Viking Ambassadors  
- Winter Sports Club  
- Young Democrats
VCSU Student Senate

The Student Senate is the governing body for the Student Association which includes all Valley City State University students. The Senate is composed of the following elected officers: President, Vice President, Treasurer and Secretary. Officers are elected each spring semester. In addition, senators are elected from the general student body. The Senate appoints numerous students to University and Senate administrative duties and committees. All student organizations are directly responsible to the Student Senate. The Student Senate, through the Student Senate Finance Commission, controls and administers a large portion of the student activity fee for other organizations and departments on campus that request funds.

Finance Commission

The Student Senate Finance Commission administers much of the University fees paid by all students at Valley City State University and allocates portions of these fees to various organizations and functions. University fees support the program of campus student activities. The Commission is comprised of three Student Senate officers: President, Secretary, and Treasurer. Other members include the Vice President for Student Affairs, Student Center/Student Activities Director, the Vice President for Business Affairs or a representative, one faculty member, and two student senators-at-large.

VCSU Viking Campus Activities Board (VCAB)

VCAB is the governing body of student-related campus activities including dances, coffee-house performers, game nights, casino night, comedians, speakers and many other student oriented activities. VCAB is responsible for formulating and executing broad social, recreational, and cultural programs. VCAB works with the Student Senate and the Student Activities Director to identify needs and policies within the student body. VCAB is funded through the Student Senate Finance Commission. The officers of VCAB consist of a President, Vice President, Secretary, up to ten governors, and volunteers. The Board meets on a weekly basis throughout the nine month academic year. Meeting times are posted in the Student Center and are open to all VCSU students.

Athletics and Intramurals

Valley City State University offers a full program of intercollegiate athletics for both men and women. Excellent facilities, including an indoor pool, two gymnasiums, a football stadium with an all-weather track and field turf, tennis courts, racquetball courts, and baseball/softball fields enhance both participant and spectator involvement.

Valley City State University is a member of the National Association of Intercollegiate Athletics. The men compete at the varsity level in football, basketball, baseball, golf, track, and cross country. Varsity sports for the women include volleyball, basketball, softball, golf, track, and cross country. All students participating in intercollegiate athletics are required to be covered by health insurance.

An intramural sports program is maintained for both men and women. The intramural program includes football, volleyball, basketball, softball, bowling, and golf. Competition is also fostered between regional universities. All students and staff are encouraged to participate. Co-ed activities are sponsored in most activities. Visit the intramural website at www.vcsu.edu/campuslife/intramurals.

CULTURAL ACTIVITIES

The University provides opportunities for the cultural growth of students with a well-rounded program of activities. Through the efforts of students, faculty, and members of the community, a variety of cultural events and courses of study are available at Valley City State University. Some of these events are summarized below:

Art: The Art Department, through the annual student art exhibitions and senior exhibitions provides the University community with numerous aesthetic opportunities. In addition, the Art Department sponsors annual visiting artist workshops which focus on specific media and techniques.

International Opportunities: VCSU has two sister universities—the Universidad Autónoma de Baja California Sur, La Paz, Mexico, and Zhejiang Economic & Trade Polytechnic, Zhejiang, China. Students may spend a semester or a year at one of these universities as a way to add an international element to whatever degree they may be pursuing. Ideally, plans to study abroad will be made early in the student’s program of study. To study in La Paz it is essential to have basic ability in conversational Spanish. It is also possible to do student teaching or teaching practicums abroad.

Theatre: Theatre 320, located on the third floor of McFarland Hall, is the home of theatre at VCSU. Students at all levels of interest and ability work together to make the magic of theatre come alive. Different plays are produced each semester and students may act on stage or work on props, set construction, technical work, publicity, or costuming in each production. Those involved may receive up to three hours of academic credit.

Medicine Wheel Park: The park began in 1992 as a project of the astronomy classes at the University and soon expanded beyond the walls of the classroom to involve the community. The Park, located on the hilltop immediately south of the main campus, features a horizon solar calendar called the Medicine Wheel with six long spokes extending well beyond the 213 foot main circle. They are aligned to the positions of sunrises and sunsets on the first days of the four seasons.

The Park also includes a meridian solar calendar, and a Solar System model that stretches from the Sun in the center of the Medicine Wheel to Pluto, over a third of a mile away on the eastern edge of the Regional Technology Center parking lot. Boulders representing the planets are spaced in exact proportion to their distances from the sun on a scale of one foot equals approximately three million miles.

Music: The Valley City State University Music Department Music presents approximately 50 solo and ensemble performances annually for the campus and community. Music ensembles include the Concert Choir, University Singers, Valkyries, Concert Band, Athletic Pep Band, Jazz Ensemble, Percussion Ensemble, Garage Band, and numerous small chamber ensembles. These groups are open to all students.
Planetarium: Visit the famous room on campus where the stars shine during the day, even when it’s cloudy. Take the opportunity to get acquainted with the VCSU Planetarium, located on the third floor of Rhodees Science Center. The facility features a Spitz Space System 512 Planetarium, which can demonstrate many astronomical principles and model the solar system, star constellations, and other celestial entities. The planetarium has numerous shows, and reservations for groups can be arranged by calling the Science Department. Make sure you experience the magic of this special place.

Other Special Events: Throughout the year, VCSU brings in prominent performers, professional lecturers, special films, musical programs, student assemblies, and speakers on current issues. Students plan and produce many of these events, which are available to both campus and community people.

The Forge: VCSU’s campus literary magazine, The Forge, is published in the Fall term of each academic year and distributed free to any student desiring a copy. Consisting of primarily student work in a number of writing and visual arts categories including poetry, short fiction, essay, drama, drawing, painting, print making, and photography, student entries are judged by faculty and community experts in each area, qualifying works are published in each year’s edition, and monetary prizes are awarded for first and second place finishers in each category.

The VCSU Community School of the Arts

Foss Music Hall
701.845.7267
csa@vcsu.edu
csa.vcsu.edu/

The VCSU Community School of the Arts provides the citizens of Valley City and the surrounding communities with access to a variety of arts programs. Operating under the belief that the arts are an important and essential ingredient to any healthy and appealing community, the Community School seeks to offer programs in music, the visual arts, and the literary arts that would not otherwise be available. The programs of the Community School of the Arts are open to all members of the community, regardless of age, gender, race, or physical ability. The curriculum reflects the desires and needs of the community as well as the contribution the Community School makes to nurturing a lifetime of learning and involvement with the arts. The VCSU Community School of the Arts is approved by the National Association of Schools of Music.

STUDENT SUPPORT SERVICES

Career Services

McFarland Hall 209
800.532.8641 extension 37252
701.845.7252
www.vcsu.edu/careerservices/

Career Services at Valley City State University serves as a clearinghouse for not only job opportunities, but also as a resource for students who are deciding about a college major or what career opportunities are available to them. The office coordinates all placement activities, whether on/off campus, permanent/temporary, or professional level employment. Job vacancies are listed for schools, businesses, and industries in North Dakota and surrounding states. Job seeking skills are provided to all students. The office serves all students and graduates of VCSU. There is no charge for career services for all enrolled students and Alumni. Students interested in enhancing their academic program with an Internship experience are encouraged to apply and visit regarding the opportunities available. Internships can be completed during the school year or during the summer. Graduate and professional school information is also available, including catalogs, tests and other admission criteria. Students are invited to stop by at any time to ask questions, browse through the resources, or visit with a staff member.

Interest testing for deciding students is available throughout the year. Students are encouraged to visit the Career Services web site at www.vcsu.edu/careerservices/ for information on careers, jobs, campus events, and more.

Counseling Services

McFarland Hall 424
800.532.8641 extension 37424
701.845.7424
www.vcsu.edu/counseling/

A student may discuss any personal concern or issue with one of the counselors. Student concerns typically involve relationships with others, unpleasant feelings, life decisions, values clarification, study problems, depression, eating disorders, sexual identity issues, alcohol and/or drug abuse, or general confusion. Any personal concern is appropriate to bring to the counselors. The counselors also provide group counseling, workshops and seminars, consultations, and referrals.

Children’s Center

Mythaler Hall
701.845.1108

Community Action Region VI Head Start provides services to six counties. Stutsman and Barnes counties are served by the center as well as Home Base Head Start. Both options provide a comprehensive early childhood experience involving health, nutrition, education, family services, and parent involvement. In the center option, children will come into the center on a daily basis. Children must be between the ages of 3–5. An application process determines eligibility. Services are free for those who qualify. Transportation is provided within city limits. Tours of the facility are given upon request. For an application or more information call 701.845.1108.
Retention and Diversity Services
McFarland Hall 208A
800.532.8641 extension 3706
701.845.7306
www.vcsu.edu/retention/
www.vcsu.edu/diversity/

Any student may feel free to stop by the Office of Retention, Diversity, and Inclusion at any point throughout their matriculation at VCSU to discover different available resources to help them be successful. The office works in conjunction with various departments across campus and provides support to students, referral services, and drop in services related to student persistence and success. Additionally, the office promotes inclusive excellence by serving as a source of advocacy and support for all students, including those who identify as diverse. The office works to bring information to address issues of diversity and intercultural awareness to the campus through educational programming and activities including workshops, retreats, and training.

Health Services
Mythaler Hall, First Floor
800.532.8641 extension 37212
701.845.7212

All students have access to nursing health services free of charge. The University RN performs assessments, evaluates need for referral to local clinics and hospital, gives health care advice, and treats minor injuries.

Over-the-counter medications for common cold and illness are available, as well as medical supplies.

The University Health Service is located on the first floor of Mythaler Hall.

STUDENT ACADEMIC SERVICES
McFarland Hall 208
800.532.8641 extension 37302
701.845.7302
www.vcsu.edu/studentservices/

Disability Support Services
Students with disabilities are encouraged to submit their documentation to the office of Student Academic Services as soon as acceptance to Valley City State University has been received. Documentation must be on file to receive support services.

Learning Center
Allen Memorial Library–Lower Level
800.532.8641 extension 37461
701.845.7461
www.vcsu.edu/academics/learning/

The Learning Center provides academic consultation and learning support as a free service to campus and online VCSU students.

One-on-one tutoring is available to help with writing assignments for courses in all disciplines and in any phase of the writing process—prewriting (including research), writing and revising. One-on-one tutoring is also available to help with math and accounting assignments.

The Learning Center also provides test preparation for professional certification examinations and English language support for international students.

To schedule a face-to-face or online tutoring session, you have three options:
1. Stop in the Learning Center in the Lower Level of the Library
2. Email us at learningcenter@vcsu.edu
3. Phone us at 37461 or 701-845-7461

For more information about services, including one-on-one tutoring, please visit the Learning Center website at www.vcsu.edu/academics/learning/.

STUDENT CODE OF CONDUCT
The Student Code of Conduct is published annually in the VCSU Student Handbook. The basic responsibility for student disciplinary actions rests with the Vice President for Student Affairs; the Vice President for Academic Affairs is responsible for cases of academic misconduct. University disciplinary action may include the following: verbal or written reprimands, monetary penalties, loss of university privileges, loss or denial of academic credit, academic or social probation, academic or social suspension, expulsion from the University. Decisions concerning the imposition of penalties are the primary responsibility of the Vice President for Student Affairs or the Vice President for Academic Affairs. In the administration of university discipline, students are accorded the protection of due process. Decisions may be appealed as outlined in the VCSU Student Handbook.
CAMPUS HOUSING

Memorial Student Center
800.532.8641 extension 37124
701.845.7124
www.vcsu.edu/housing/

VCSU Required Housing Policy

All full time, first-time freshman students are required to reside on campus and be on a board plan for a period of one full academic year or two full semesters. In addition all new students, under the age of 21, that will reside in VCSU Housing must provide documentation of immunity against meningococcal disease in accordance with the North Dakota State Board of Higher Education policy on immunizations. The policy provides for exemptions upon application under established campus procedures if: (a) immunization is contraindicated by a medical condition; or (b) a student’s beliefs preclude participation in an immunization program.

The only exceptions to this policy are as follows:

1. The student is living at home, providing the home residence is within 35 miles of Valley City.
2. The student is 21 years of age.
3. The student is married or the single head of a household.

Students and parents/guardians will be asked to provide written verification of any off-campus residence. Students determined to be in violation of this policy will be considered in violation of the VCSU Student Code of Conduct and will be subject to disciplinary procedures. Students wishing to be considered as an exception are to contact the Housing Office.

Student Apartments

Viking Court is a 16 unit housing complex consisting of two bedroom apartments. Students who wish to reside in Viking Court are encouraged to apply early at the Housing Office.

Residence Halls

Valley City State University provides five residence halls for a variety of life-styles. Rooms are provided with beds, desks, dressers, chairs, and closets. Students are required to provide their own bedding and towels. A live-in staff of Head Residents and Resident Assistants contribute to the quality and convenient on-campus housing option. A complete listing of the residence hall policies and procedures and a description of the residence halls may be found in the Residence Hall Handbook or online at www.vcsu.edu/housing.
As Chief Academic Officer of Valley City State University, the Vice President for Academic Affairs is responsible for fostering, encouraging, supporting and implementing academic strategies that advance student learning. Duties of the Vice President for Academic Affairs include overall responsibility for the curriculum, the academic budget, faculty and academic support staff, academic policy, and grants, while promoting an environment of innovation, entrepreneurship and customized learning.

The VPAA reports to the President and leads a team of department chairs, program directors, faculty and student leaders toward achieving the goals of teaching and learning in the digital environment.

Information in this section provides policies and guidelines concerning registration, grading, advising, and other items related to your student status at VCSU. For additional information, feel free to contact the Academic Affairs Office.

REGISTRAR’S OFFICE
McFarland Hall 2nd Floor 219
Jody Klier, Registrar
800.532.8641 extension 37295
701.845.7295
FAX: 701.845.7299
registrar@vcsu.edu
www.vcsu.edu/registrar/

REGISTRATION AND RECORDS
The items below follow the basic sequence for course information and related information for registration.

Academic Advising
Academic advising is directed through the Office of Student Academic Services. All new students will be assigned advisors prior to the end of the first semester. Many students at the time of application are undecided about an area of study. Deciding students are assigned an advisor who is prepared to help plan a schedule that will enable exploration in different academic areas while completing the general education requirements. An advisor can become the most valuable academic resource.

Registration
Students are expected to meet with their advisors before registering. Registration for classes occurs online through Campus Connection in the term prior to the semester those classes begin. The registration process is not complete until all fees are paid.

Course Load for Students
Full-time enrollment is twelve semester hours. Students in good standing may register for up to nineteen semester hours. Students wishing to enroll in more than 19 hours must meet the appropriate grade point average standards.

In order to take 20 to 21 semester hours, the student must maintain a minimum cumulative grade point average of 3.00. The student wishing to take 22 or 23 semester hours must maintain a minimum cumulative grade point average of 3.50. No student will be allowed to enroll in more than twenty-three semester hours during any one semester.

Full-time status during Summer term is 6 credits; the maximum load is 9 concurrent credits for a student in good academic standing. If a student wishes to register for more than 9 credits that are not concurrent, s/he should contact the Office of the Registrar; in any case, no more than 14 semester hours in any Summer (total for all summer terms; this is the equivalent of one credit per week for the full summer).
Class Attendance
The student is expected to meet the attendance requirements for each class.

Adding or Dropping a Course
Course schedule changes may be processed in Campus Connection (online student self-service).

Add: A student may add a semester-length course through the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to add. Specific add dates for the term and each session can be found at www.vcsu.edu/registrar/

Drop with No Record: A student may drop a semester-length course and no record of the course will appear on the student’s transcript if the drop is processed on or before the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to drop with no record. Specific drop with no record dates for the term and each session can be found at www.vcsu.edu/registrar/

Drop with Record: A student may drop a semester-length course at any time during the first twelve weeks of the semester. A grade of “W” will be recorded on the student’s transcript for all courses dropped after the Drop with No Record deadline. Courses within a shorter session and the summer term will have a proportional last day to drop with a record. Specific drop with a record dates for the term and each session can be found under at www.vcsu.edu/registrar/

No course schedule changes are permitted after the Drop/Add deadlines except in extenuating, non-academic circumstances. Such changes require the student to submit a petition to the Academic and Scholastic Standing Committee for a decision on whether or not the change will be permitted.

Course Override cards and Petitions are available in the Office of the Director of Student Academic Services.

One-Time Drop Policy: Each student may withdraw from a course after the deadline (up to and including the last day of the class for that courses) without proof of extenuating circumstances one time during his or her undergraduate enrollment at Valley City State University. This “one-time-drop” must be processed using a petition available in the Office of the Director of Student Academic Services. A symbol of W will appear on the transcript.

See page 17 of this catalog for Tuition Refund Policy.

Withdrawal from the University
A student considering withdrawal from Valley City State University is strongly encouraged to contact the Office of Retention prior to finalizing a decision. If for any reason a student finds it necessary to withdraw from all courses during the semester, an official withdrawal must be filed with the Director of Retention. The last day to withdraw from the university is the last business day of the 12th week of classes. If the student is receiving financial aid, the student must contact the Office of Financial Aid to develop a repayment plan. If the student has been issued a computer, the student must return the computer within 24 hours unless prior arrangements are made with the Director of the Help Desk. In case of an emergency withdrawal, it is the responsibility of the student to notify a university official.

Failure to follow withdrawal procedures may result in failing grades in all courses for the semester.

A student who fails to withdraw from all courses by the last business day of the 12th week of classes may be eligible for a late withdrawal. A late withdrawal must be for reasons beyond the student’s control, including but not limited to the following: medical, death of a family member, natural disaster, or other emergency. A petition for a late withdrawal must be filed with the Director of Student Academic Services. Third party documentation is required to support a petition for a late withdrawal.

Transcripts of Academic Records
Valley City State University has authorized the National Student Clearinghouse to provide official transcript ordering online. To use the online transcript service, a major credit/debit card and a valid email account are needed. A fee of $5 is required per transcript, plus applicable processing fees if special order options are requested.

Current and former students with online Campus Connection access may view and print an unofficial transcript free of charge through Campus Connection. To order official transcripts in Campus Connection, students may click on Self Service>Academic Records>Order Official Transcript.

Individuals without a Campus Connection account may order directly from National Student Clearinghouse from their secured site, www.getmytranscript.com.

If you do not have a major credit/debit card and valid email address, a paper transcript request form is available. The transcript request form, as well as detailed information regarding transcript ordering, can be found at www.vcsu.edu/registrar.

SCHOLASTIC STANDING
Credit
VCSU operates an academic calendar on the semester system, according to the guidelines in SBHE policy 406.1 (Academic Calendars). Each semester is 80 days, or 16 weeks (including exam week). One semester hour of credit represents one academic hour of class instruction or two or more academic hours of laboratory work per week for a period of 15 weeks, or the equivalent.

In organizing their schedules, students should plan to spend about two hours of study for one hour of classroom instruction. Therefore, a student taking 15 credit hours should expect to spend about 30 hours studying each week. In seeking a course overload, students should consider carefully the impact of this load on their available study time.
Grading and Grade Point System

Grades are reported in letter symbols. Each grade carries a value in grade points per credit hour. The system used is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Significance</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.00</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.00</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2.00</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.00</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0.00</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>0.00</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>0.00</td>
</tr>
<tr>
<td>AU</td>
<td>Audit</td>
<td>0.00</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td>0.00</td>
</tr>
<tr>
<td>WAU</td>
<td>Withdrawal - Audit</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Faculty identify standards for course grades on the courses syllabus.

Grade Point Average

The grade point average is determined by calculating the total number of grade points earned and dividing by the number of credit hours in which a letter grade of A, B, C, D, or F was received. Other letter grades such as I, S, U, AU, W, and WAU carry no grade point value and are not included in the calculation of the grade point average.

S-U Grade Option

A limited number of courses are graded on a satisfactory-unsatisfactory basis. No grade points are assigned. To encourage students to explore subjects where they might not otherwise take a course, they may request permission to enroll in courses that are not required for their graduation on a satisfactory-unsatisfactory basis. No grade points are assigned. The student must notify the Office of the Registrar of his or her S-U grade option request no later than the last day to add the course. A maximum of 15 semester hours of non-required S-U graded courses may count toward graduation. Work of C level or better is required to receive an S grade.

Incompletes

The grade of incomplete is negotiated between instructor and student. This infrequently used option accommodates the student who was affected by conditions beyond his/her control (e.g. prolonged illness, family death) and who could not reasonably complete the course work during the term of enrollment, but who has in other respects done passing work for the semester. Whether or not a grade of I is assigned is entirely the prerogative of the course instructor. The student and instructor will develop a written contract detailing the assignments which remain to be completed and the time frame for completion.

The grade of incomplete must be removed by the tenth week of the regular semester following the term in which it was reported. If the deficiency is not made up within the specified time, the incomplete will revert to the grade earned at the time the incomplete was negotiated. The instructor may request an extension of the time period by emailing the Office of the Registrar.

Audit

Audit means to register and participate in class activities at the discretion of the instructor. No credit is awarded for an audited course. The student must notify the Office of the Registrar of his or her intent to audit a course no later than the last day to add the course. Cost of audit is one half tuition plus applicable fees.

Repeating a Course

A student may repeat a course to improve a grade. The original and repeated course grade will appear on the transcript. Only the most recent grade will be calculated in the cumulative grade point average.

Academic Honors

A student who completes 12 semester hours of Valley City State University classes for which grade points are earned and who received a grade point average of at least 3.50 at the end of any semester qualifies for the Dean’s Honor Roll. A student who completes 12 semester hours carrying grade points with a 4.00 grade point average at the end of any semester qualifies for the President’s Honor Roll.

The student who has achieved a cumulative grade point average between 3.50 and 3.74 at the time of graduation qualifies for the honor, cum laude. The student who has achieved a cumulative grade point average between 3.75 and 3.89 qualifies for the honor, magna cum laude. A student who has achieved a cumulative grade point average between 3.90 and 4.00 qualifies for the honor, summa cum laude.

Academic Probation and Suspension

Students not making satisfactory academic progress will be placed on academic probation. The following standards for satisfactory progress apply to all regularly enrolled students:

<table>
<thead>
<tr>
<th>Total Hours Attempted</th>
<th>Cumulative GPA Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1.60</td>
</tr>
<tr>
<td>30</td>
<td>1.80</td>
</tr>
<tr>
<td>60</td>
<td>2.00</td>
</tr>
</tbody>
</table>

Any student who does not make satisfactory progress according to these standards is placed on academic probation. Until the student brings his or her cumulative grade point average up to the required level, the student is continued on probation, providing he or she achieves at least a 2.00 grade point average during the subsequent semester(s) of enrollment. The summer session is considered equivalent to a semester.

Full-time students failing to accrue adequate credits may be placed on academic probation or suspension at the discretion of the Vice President for Academic Affairs. Adequate credits is defined as two-thirds of the hours attempted.

In order to increase the probability of future academic success, academic probation status restricts students, including those admitted on academic probation, to a maximum course load of 14 credits during a regular term and 6 credits in the summer, and requires completion of a one-hour course in study skills as part of the restricted course load. Satisfactory progress while on probation means achieving a grade point average of at least 2.00 or better during the semester. Failure on the part of the student to achieve a semester grade point of at least 2.00
while on probation results in academic suspension from the university.

A student who has been suspended from the University may submit a petition to the Academic and Scholastic Standing Committee for readmission. The committee reviews the petition, considers the evidence, and makes a decision regarding the status of the student. Any student who is reinstated by this committee is required to meet contractual obligations set forth by the Vice President for Academic Affairs.

A suspended student who returns after one calendar year may be readmitted on probation and is not required to follow the petition process. A transfer student who is not eligible to return to previous institution must submit a petition to the Academic and Scholastic Standing Committee for admission to VCSU. Any transfer admission following the academic suspension/disch

**Academic and Scholastic Standing Committee**

The Academic and Scholastic Standing Committee is comprised of administration and faculty members who convene for the purpose of considering petitions concerning student academic affairs. The student submitting a petition may be asked to appear for a hearing with the committee. Decisions may be appealed as outlined in the VCSU Student Handbook.

**Athletic Eligibility**

Eligibility of students to participate in athletics is governed by the rules and bylaws of the associations in which the University holds membership.

**Student Classifications**

Regular Student status applies to anyone whose objective is to complete a degree. The following classifications apply:

- Freshman <24 credits
- Sophomore 24-59 credits
- Junior 60-89 credits
- Senior > 90 credits

**Non degree status** applies to anyone who has a degree and is enrolled for additional courses, or anyone who is enrolled for courses but not following an established program.

**Course Level**

Courses numbered 100 to 199 are considered Freshman level; courses numbered 200 to 299 are Sophomore level; courses numbered 300 to 399 are Junior level; and courses numbered 400 to 499 are Senior level courses. The student should note that many upper level courses (300–499) have prerequisites and should plan accordingly. Graduate courses will have numbers between 601–699. Courses with the number 700 are Continuing Education courses and are not eligible for use at the undergraduate or graduate level. 600 and 700 numbered courses are only available to students who have earned a Baccalaureate Degree, with the exception of Career and Technical Education license holders or those who are currently teaching at a secondary or postsecondary institution in North Dakota.

**Common Course Numbering**

The North Dakota University system adopted “Common Course Numbering” (CCN) in 1998. CCN is a means of standardizing course numbers across all campuses within the system. For example, it means that a course numbered 100 at one campus is equivalent to a similarly titled and numbered course at another campus.

**ADDITIONAL CREDIT OPPORTUNITIES**

**Challenging a Course**

The student who wishes to challenge a course must obtain a request form from the Office of the Registrar. The form should be completed in consultation with the appropriate department chair. If the request is approved, the examination will then be scheduled. Upon successful completion of the examination, the student will pay a fee equivalent to one half the tuition plus applicable fees for the course in order to receive credit. Upon consultation with the instructor, the grade may be determined by a regular letter grade or on a S/U basis. Not all courses may be challenged.

**Collaborative Registration**

The North Dakota University System (NDUS) collaborative registration agreement allows a student to be concurrently enrolled at another NDUS institution. Only fully admitted, degree-seeking undergraduate students in good academic and financial standing are allowed to enroll collaboratively. Collaborative registration allows the home campus to consider credit from the provider campus for financial aid purposes and adds the provider campus tuition to your home campus bill after the tenth or eleventh day of regular session; the provider campus will automatically submit a transcript to your home campus. More information about the Collaborative Registration process is available at www.vcsu.edu/registrar.

**Credit by Examination**

Credit for courses may be granted by examination. These examinations may be national or departmental. Information may be obtained from the Office of the Registrar. National exams include Advanced Placement (AP), College Level Examination Program (CLEP), International Baccalaureate (IB) and the Dantes Subject Standardized Tests (DSST). Placement scores are established by North Dakota University System procedure 403.7.4 (www.ndus.edu/students/earn-credit-by-exam/).

**Credit for Life and Work Experience (PLA)**

The Valley City State University Prior Learning Assessment Program is designed to offer adult learners, generally 25 years of age or older, the opportunity to apply learning received from life and work experience toward a Valley City State University degree. This program is administered through the Vice President for Academic Affairs. The adult learner must enroll in UNIV 180 Prior Learning Assessment for Academic Credit. For specific questions on PLA contact the Office of Career Services.
Credit for Military Service Experience

All military service experience submitted for credit will be evaluated by the Registrar using the Guide to the Evaluation of Educational Experiences in the Armed Services or by contacting the Commission on Accreditation of Service Experiences. The student desiring such credit must submit an official copy of his or her discharge papers and an official military transcript of courses.

Early Entry

The Early Entry arrangement provides an opportunity for high school students to take courses for which they may earn both high school and college credit. These credits may be applied toward both high school and college graduation requirements. Eligible students in grades 10, 11 and 12 may earn college credit by enrolling in any course which has been jointly approved by appropriate high school and university administrators.

The courses to which dual credit may apply can be placed into three categories.

1. A VCSU course taught by a high school teacher at the high school
2. A VCSU course offered as part of the regularly scheduled term offerings at the university
3. A college course taught in the high school by a VCSU professor (This course could be delivered by the college professor directly within the high school or via online or interactive television.)

For more information on the Early Entry program, see page 14. (Must meet North Dakota University System’s established ACT scores for student placement in English and math courses.)

Foreign Language Placement Policy

A student may receive up to 12 hours in a foreign language after satisfactorily completing an advanced level language course with a “C” grade or better. The student will pay a fee equivalent to one-half tuition plus applicable fees for the credit to be received.

Internship

The Internship Program provides students with the opportunity to work in a field related to their major, while earning academic credit. Students are eligible to participate in this program after completion of their sophomore year and a 2.5 GPA, but are encouraged to discuss internship opportunities with their department chair or advisor and the Career Services Director during their sophomore year. Internships may be with employers in private industry, governmental agencies, and non-profit organizations. Employment can be part-time or full time with a local employer or virtually anywhere in the world. The internship experience benefits students by providing the opportunity to explore and confirm career options.

Eligibility to enroll for academic credit is granted through the Internship Program when an internship position is secured. Upon being hired, the student enrolls in the appropriate internship course. Students can earn from 3 to 12 credits per semester, depending on the total hours to be employed; however, each academic department will determine how many credits may be applied to the degree requirements. Students employed in a full-time internship position may be granted full-time equivalent student status by the University in order to clarify matters related to financial aid eligibility, verification of student enrollment, or eligibility for Veterans Administration benefits.

Project 65

People ages 65 and over may audit courses free of charge on a space available basis. Audited courses may not be counted toward a degree.

Transfer Credit

Valley City State University accepts transfer credit from regionally accredited institutions of postsecondary education. Transfer credit from nationally accredited institutions may be reviewed and accepted on a course by course basis. Transfer credit from non-accredited institutions will not be accepted in transfer. Before transfer credits are evaluated for specific course equivalencies or program requirements, the credits must be accepted by the Office of the Registrar according to university policies and procedures. The application of the transfer credit to program requirements is the responsibility of the faculty.

The Office of the Registrar evaluates transfer credits according to institutional requirements and North Dakota University System policies and procedures in consultation with appropriate faculty. College-level credits that do not have course equivalents or do not meet a program requirement at Valley City State University will be accepted as general electives and count toward total credits required for graduation. Transfer students who are dissatisfied with the course equivalency determinations may consult the appropriate department chair, in an attempt to more precisely define equivalencies or identify appropriate substitutions. If necessary for transfer evaluation, students are responsible for providing course descriptions and course syllabi.

Total hours earned from all transfer institutions are entered on the Valley City State University transcript. If necessary credits will be converted to semester hours. Transfer courses and grades appear on the official VCSU transcript and are used in the calculation of cumulative grade point average.

Limitations on Transfer Credit

Developmental Credit: Credit for developmental courses is not accepted in transfer if the course is developmental by definition of the transferring institution or if it is equivalent to a developmental course at VCSU. Transfer credit earned at the developmental level will be transcribed on the official VCSU transcript. However, these credits will not count toward earned credit or be calculated in the cumulative grade point average.

Graduate and Continuing Education Credit: Credit earned at the graduate level and non-degree continuing education is not accepted in transfer at the undergraduate level.

Credit by Examination or Life Experience: Credit earned by institutional examination or life experience is not accepted for transfer. For more information on the acceptance of national credit by examination, go to page 31 under the Additional Credit Opportunities.

Military Credit: Basic training courses are accepted in transfer as HPER 100 and fulfill the Wellness category of General Education requirement at VCSU. All other military credit is evaluated...
using the most recent ACE Guide recommendations. Military work experience will not be accepted.

**General Education Transfer Agreements**

Transfer students who have graduated from a regionally accredited institution and have completed a general education program at that institution consisting of a minimum of 36 semester hours will be deemed to have met all lower division general education requirements at VCSU. This may include transfer students who have earned an Associate of Arts, Associate of Science, Bachelor of Arts, or Bachelor of Science degree. If the general education requirements are not complete upon transfer, the transcript will be evaluated on a course-by-course basis. Even if the lower division general education requirements have been met, students are strongly encouraged to meet with an academic advisor. Some majors require specific or additional general education courses be completed as an upper division program requirement.

The North Dakota University System (NDUS) General Education Requirement Transfer Agreement (GERTA) was developed to assist students who transfer within the NDUS. This agreement states that students who transfer to a NDUS institution after completing their general education coursework at any other NDUS institution will be deemed to have met all lower division general education requirements at the transfer school. A minimum of 36 semester hours must have been completed in the areas of communication; arts and humanities; social sciences; and mathematics, science and technology.

The North Dakota University System (NDUS) also has specific general education transfer agreements with the Minnesota System of Colleges and Universities (MnSCU), South Dakota University System, Washington State Community and Technical Colleges, and Wyoming Community Colleges for students who have completed an Associate in Arts or an Associate in Science degree.

**DISTANCE LEARNING AT VCSU**

800.532.8641 extension 37471
701.845.7471
distancelearning.vcsu.edu/

**Distance Learning**

VCSU seeks to advance quality distance learning opportunities for traditional and nontraditional students through access to courses and degree completion.

Distance Learning students should expect the same level of academic rigor from a distance learning course as from a course delivered in a traditional classroom setting. The VCSU Schedule and the Distance Learning website provide a list of distance learning courses and programs.

We offer several options for full, bachelor’s level programs and a Master of Education program with six concentrations.

**Online**

Delivered principally through Internet technologies, online courses can facilitate different learning styles, foster more active and independent learning, and provide greater access to higher education. On-campus attendance is not required for class participation. Students can work with course materials at their own convenience or they can collaborate on class projects using web-based communication tools. Through technology and innovation, VCSU online courses expand the boundaries of the traditional classroom.

**Hybrid**

Hybrid courses combine face-to-face classroom instruction with web-based or online components that replace seat time. By presenting a significant amount of course content online, reduced classroom time can be spent more efficiently and effectively. Hybrid courses unite the benefits of the traditional classroom with the advantages of online learning to promote more active independent learning.

**The North Dakota Interactive Video Network (IVN)**

Interactive Video Network (IVN) courses use a high-quality compressed digital videoconference system that provides distance-education opportunities to specially equipped locations across the state of North Dakota. IVN rooms are equipped with video cameras, TV monitors, microphones and other specialized telecommunication equipment to transmit live audio and video over leased T1 telephone lines. This connection provides a two-way audio and video connection so the instructor can interact with students exactly as if the class were being held in a traditional classroom.

**Online Programs at VCSU**

The following programs are available in an online-only format for distance students.

**Online Major Degree Programs**

- Master Of Education (with concentrations in Elementary Education, English Education, Library and Information Technologies, Teaching and Technology, Teaching English Language Learners, Technology Education)
- Business Education*
- Business Process Integration Management
- Career and Technical Education
- English Education*
- Technology Education*
- Professional Communication
- Music

**Online Minor Programs and Certificates**

- Business
- Library Media
- Marketing
- Psychology
- Teaching English Language Learners (Minor) or ESL Endorsement
- M.Ed. Library and Information Technologies Certificate
- M.Ed. STEM Certificate
- M.Ed. Teaching English Language Learners Certificate (ELL)
- Technology Education
- Customer Relationship Management Certificate
- Enterprise Applications Certificate
State Authorization Notice to Online Students

Due to individual state regulations, VCSU is not able to accept applications for online coursework delivered to residents of Alabama, Arkansas, and Maryland at this time. If you live outside of North Dakota, please check which programs are available to be delivered where you live.

*Programs listed above with an asterisk (*) may include learning experiences that require additional authorizations in certain states that VCSU may not currently have.

Out-of-State Licensure

Valley City State University's nationally accredited education programs meet requirements for North Dakota teacher licensure. Although most states accept our teacher education program graduates for licensure, VCSU cannot confirm nor advise that education programs meet requirements for every state. Students seeking licensure in states other than North Dakota should contact the appropriate licensing board in the state in which they are pursuing licensure.

Technical Requirements

All distance learners must comply with minimum technical requirements when taking online courses. More information is available at distancelearning.vcsu.edu/vp.htm?p=1288.
Fields and Programs of Study
Valley City State University offers majors, minors, concentrations, and certificates in the following fields of study.

MEd Master of Education
- Elementary Education Concentration
- English Education Concentration
- Library & Information Technologies Concentration
- Teaching English Language Learners Concentration
- Teaching & Technology Concentration
- Technology Education Concentration

M Majors
M Art – Composite
M Art Education
M Athletic Training – Composite
M Biology
M Biology Education
M Business Administration – Composite
- Accounting Concentration
- Agribusiness Management Concentration
- Business Process Management Concentration
- Finance Concentration
- Human Resources Management Concentration
- Management Concentration
- Marketing Concentration
M Business Education – Composite
M Business Education
M Business Process Integration Management – Composite
M Career and Technical Education – Composite
M Career and Technical Education – BS in Education
M Chemistry
M Chemistry Education
M Computer Information Systems – Composite
M Elementary Education
M English
- General Concentration
- Literature Concentration
- Professional Writing Concentration
M English Education
M Exercise Science and Leisure Studies – Composite
- Exercise Science
- Leisure Studies
- Sport Management
- Strength & Conditioning Specialist
M Fisheries & Wildlife Science Composite
- Conservation Law Enforcement Concentration
- Fisheries Concentration
- Wildlife Concentration
M Health Education
M Health Science – Composite
M History
M History Education
M Human Services – Composite
- Criminal Justice Concentration
- General Human Services Concentration
M Mathematics
M Mathematics Education
M Medical Laboratory Science – Composite
M Music – Composite
M Music Education – Composite
- K-12 Certification in Music
- K-12 Instrumental Music
- K-12 Vocal Music
- K-12 Vocal-Instrumental Music
M Physical Education – K-12

M Minors
M Art
M Athletic Coaching
M Biology
M Business
M Business Software Applications
M Chemistry
M Computer Science
M Earth and Environmental Science
M English
M Health Education
M History
M Human Resources
M Library Media and Information Science
M Marketing
M Mathematics
M Music
- Music Production and Recording
M Office Management
M Physical Education
M Physics
M Piano Pedagogy
M Psychology
M Sociology
M Spanish
M Speech-Communication-Theatre Arts
M Teaching English Language Learners
M Technology Education
M Theatre

Other Listings
c = Certificate
cc = Certificate of Completion
cr = Credential
e = Endorsement
c Customer Relationship Management
c Enterprise Applications
cc Athletic Coaching
cc Digital Design
cc Music Composition
cc Music Production & Recording
cc Piano Pedagogy
cc Strength & Conditioning
cc STEM Education – Elementary
cc STEM Education – Secondary
cr Title 1 Reading Credential
e Early Childhood Endorsement
e Kindergarten Endorsement
e North Dakota Middle Level Endorsement
e Strategist Special Education Endorsement
e Teaching English Language Learners Endorsement
General Education at Valley City State University

**Mission:** As a network of interrelated courses, the General Education Program promotes rigorous study in the liberal arts, leading to lifelong learning, meaningful service, and effective citizenship within an integrated and diverse society.

**Vision:** The General Education Program offers a powerful, integrated learning experience that builds capabilities essential for the 21st century.

**GENERAL EDUCATION ABILITIES**

**Aesthetic Engagement:** VCSU students exhibit an increased understanding and appreciation of creative human endeavor through **Responsiveness**, or understanding how to perceive and interpret aesthetic experiences, and through **Receptivity**, by listening, viewing, and reading with imagination and understanding.

**Collaboration:** Our students know how to work together to reach a common goal through developing the traits of **Positive Interdependence** in understanding responsibility and acting appropriately to promote group success, and through exhibiting **Leadership** by delegating and demonstrating accountability for group achievement.

**Communication:** Students at VCSU learn to convey thoughts, ideas, data, information, and messages effectively in **Written** and **Spoken** form for a variety of purposes and audiences, **Visually** through elements of design, graphs, and other media venues, and via **Performance** through music, dance, theatre, or art.

**Effective Citizenship:** VCSU students demonstrate active involvement in improving the community and environment by **Providing Service** as good role models and teachers while teaching others to do the same, by **Teaching Others** new skills, and by **Facilitating Change** through responsibly questioning existing beliefs and conditions before taking appropriate action for change.

**Global Awareness:** Our students learn to look beyond their immediate selves and local communities by **Working with Diversity** in demonstrating an awareness and respect for diversity, and by **Understanding Systems** through indentifying interrelationships between themselves, their immediate communities, the environment and the global community.

**Problem Solving:** Students at VCSU select and use appropriate and effective approaches to solve a wide variety of problems through **Researching** to locate, gather, and analyze data, by utilizing **Creative and Critical Thinking** skills in finding, evaluating, and examining new relationships among facts, concepts, theories, and interpretations and by **Systems Analysis** examining the possible interactions and connections between various systems and determining the consequences.

**Technology:** Our students use technological tools and processes to improve learning, productivity, and/or performance through the responsible, appropriate, and effective use of **Computational and Communication Technology** in discovering, investigating, creating, assessing, managing, and communicating information, and the similar use of **General Technology** in discovering, investigating, or creating information.

**Wellness:** VCSU students make constant and deliberate choices that lead to a well-balanced life through exercising **Self-Management** via the demonstration of self-directed commitment, and through an understanding of **Self-Worth** in cultivating an intrinsic sense of personal value.
General Education Requirements for Bachelor’s Degree

Listed are the General Education Abilities and the required courses for the Bachelor’s degree which assist the student in achieving these Abilities. Each course offers students one or more opportunities to document achievements of the indicated ability.

The student should review the outline of the requirements for the appropriate major and minor to determine the specified General Education courses.

Student placement into college math and English courses is based on ACT, SAT, and COMPASS scores; see chart below.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>ACT Math</th>
<th>SAT Reading &amp; Mathematics</th>
<th>COMPASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 103 College Algebra</td>
<td>21–36</td>
<td>990–1160</td>
<td>49–100 Algebra</td>
</tr>
<tr>
<td>ASC 93 Algebra Prep III</td>
<td>19–20</td>
<td>900–980</td>
<td>57–100 Pre-Algebra</td>
</tr>
<tr>
<td>ASC 92 Algebra Prep II</td>
<td>16–18</td>
<td>770–890</td>
<td>34–56 Pre-Algebra</td>
</tr>
<tr>
<td>ASC 91 Algebra Prep I</td>
<td>0–15</td>
<td>0–760</td>
<td>0–33 Pre-Algebra</td>
</tr>
<tr>
<td>English 110 College Composition</td>
<td>18–36</td>
<td>430–800</td>
<td>77–100</td>
</tr>
<tr>
<td>English 110 College Composition with ASC 88 Composition Lab co-enroll</td>
<td>14–17</td>
<td>380–420</td>
<td>49–76</td>
</tr>
<tr>
<td>ASC 87 College Writing Prep</td>
<td>0–13</td>
<td>0–370</td>
<td>0–48</td>
</tr>
<tr>
<td>COMM 112</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Online Course Offerings in General Education

All general education courses are offered face to face on campus. Students who need access to online general education courses should be guided by the table of online courses below.

<table>
<thead>
<tr>
<th>Even Fall</th>
<th>Odd Spring</th>
<th>Odd Summer</th>
<th>Odd Fall</th>
<th>Even Spring</th>
<th>Even Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication &amp; Collaboration</td>
<td>ENGL 110</td>
<td>ENGL 125</td>
<td>COMM 216</td>
<td>ENGL 110</td>
<td>ENGL 125 COMM 110</td>
</tr>
<tr>
<td>Problem Solving</td>
<td>MATH 103</td>
<td>MATH 103</td>
<td>MATH 103</td>
<td>MATH 103</td>
<td>MATH 103</td>
</tr>
<tr>
<td>Wellness</td>
<td>HPER 100</td>
<td>HPER 100</td>
<td>HPER 100</td>
<td>HPER 100</td>
<td>HPER 100</td>
</tr>
<tr>
<td>Technology</td>
<td>CIS 170</td>
<td></td>
<td></td>
<td></td>
<td>CIS 170</td>
</tr>
<tr>
<td>Aesthetic Engagement</td>
<td>ART 110</td>
<td>HUM 201</td>
<td>ART 110</td>
<td>HUM 201</td>
<td></td>
</tr>
<tr>
<td>Global Awareness &amp; Effective Citizenship</td>
<td>GEOG 111 PSYC 111 SOC 111</td>
<td>GEOG 111 PSYC 111 SOC 110</td>
<td>GEOG 111 PSYC 111 SOC 111</td>
<td>GEOG 111 PSYC 111 SOC 110</td>
<td>COMM 112 GEOG 111 PSYC 111</td>
</tr>
</tbody>
</table>
Required General Education Courses 39 hours

Communication and Collaboration ................................. 9 hours
ENGL 110 College Composition I
and
ENGL 120 College Composition II
or ENGL 125 Introduction to Professional Writing
and
COMM 110 Fundamentals of Public Speaking
or COMM 212 Interpersonal Communication
or COMM 216 Intercultural Communication

Problem Solving ......................................................... 11 hours
Mathematics (Complete one course) .............................. 3 hours
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 PreCalculus
MATH 165 Calculus I

Lab Science (Complete two courses) ............................. 8 hours
BIOL 111 Concepts of Biology
BIOL 150, 151 General Biology
BIOL 170 General Zoology
BIOL 220, 221 Human Anatomy & Physiology
CHEM 115 Introductory Chemistry
CHEM 116 Introduction to Organic & Biochemistry
CHEM 121, 122 General Chemistry
GEOL 100 Introduction to Earth Science
GEOL 106 The Earth Through Time
PHYS 100 Concepts of Physics
PHYS 110 Introductory Astronomy
PHYS 161, 162 Introductory College Physics I, II
PHYS 251, 252 University Physics I, II
TECH 161 Technology, Engineering, and Design

Wellness ......................................................................... 2 hours
HPER 100 Concepts of Fitness and Wellness

Technology (Complete one course) ............................... 3 hours
CIS 170 Introduction to Computer Information Systems
CSCI 127 Introduction to Programming in Java
CSCI 160 Introduction to Structured Programming I

Art and Music Foundations – (Complete one course) 3 hours
ART 110 Introduction to the Visual Arts
HUM 202 Fine Arts and Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness and Effective Citizenship .......... 6 hours
(Complete two courses)
COMM 112 Understanding Media and Social Change
COMM 114 Human Communication
ECON 201 Principles of Microeconomics
ECON 202 Principles of Macroeconomics
GEOG 151 Human Geography
HIST 103 U.S. TO 1877
HIST 104 U.S. TO Present
HIST 211 World Civilizations to 1500
HIST 212 World Civilizations Since 1500
HIST 260 Women in America
HIST 267 Environmental History
HIST 270 Native American Studies
POLS 115 American National Government
POLS 116 State and Local Government
PSYC 111 Introduction to Psychology
SOC 110 Introduction to Sociology
SOC 111 Introduction to Anthropology

Additional Humanities and Social Science .......... 2 hours
Complete one additional course from the area of
Aesthetic Engagement or Global Awareness

or
ART 112 Design
ART 231 Drawing
ART 281 Ceramics
GEOG 111 Survey of Geography
MUS 104 Group Piano for Non-Majors I
MUS 105 Group Piano for Non-Majors II
MUS 130 Valkyries
MUS 131 Concert Choir
MUS 140 Athletic Band
MUS 141 Concert Band
PHYS 275 Planetarium Science
THEA 201 Theatre Practicum

Students should view their major program for general education required courses.
DEGREE REQUIREMENTS

Undergraduate students at VCSU have four degree options: Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, and Bachelor of University Studies.

In addition to selecting a major program of study, students must choose which degree to pursue. The Bachelor of Science degree prepares students in specific discipline areas, while the Bachelor of Arts degree provides academic breadth in the liberal arts. The Bachelor of Science in Education is designed to prepare students for licensure as elementary and secondary teachers.

The Bachelor of University Studies degree is designed to allow the student the flexibility of designing a course of study which fits with his or her interests and goals in life. The student must have a degree plan approved by the Vice President for Academic Affairs. The proposed degree plan must meet with the generally accepted goals of a bachelor’s degree.

Double Degree and Second Degrees

Students may earn two or more bachelor’s degrees provided the degrees are different. For example, students cannot earn two Bachelor of Science degrees such as a B.S. in Professional Communication and a B.S. in Music. Students must meet all requirements for each degree. The degrees may be earned concurrently (Double Degrees) or at different times (Second Degrees).

Double Major

Students may elect to earn a single degree with more than one major. Students may complete a double major (two majors) or any number of majors. Students must meet all requirements for each major within the single degree, such as a Bachelor of Arts with majors in English and History.

Adding a Major/Minor After a Degree has been Posted

Students who have previously completed a degree may elect to complete a major and/or minor earned subsequent to graduation.

Bachelor of Arts

1. Completion of the General Education requirements.
2. Completion of a major and a minor, a double major, or a composite major.
3. Completion of the 16 semester hour cultural block. In consultation with their advisor, students select a 16 hour block of related courses from the following areas: Spanish, art, music, English, theatre, photography, and history. Courses used for this requirement may not be double-counted and may not include credits for portfolio preparation or internships.
4. Completion of the requirements for graduation (as stated in this Catalog on page 40).
5. Completion of a minimum total of 120 semester hours.

Bachelor of Science

1. Completion of the General Education requirements.
2. Completion of a major and a minor, a double major, or a composite major.
3. Completion of the requirements for graduation (as stated in this Catalog on page 40).
4. Completion of a minimum total of 120 semester hours.

Bachelor of Science in Education

1. Completion of the General Education requirements.
2. Completion of an education major.
3. Completion of the Professional Education sequence.
4. Completion of requirements for admission to Teacher Education.
5. Successful completion of student teaching experience.
6. Successful completion of Praxis II requirements.
7. Completion of the requirements for graduation (as stated in this Catalog on page 40).
8. Completion of a minimum total of 120 semester hours.

Bachelor of University Studies

2. A statement of the interests and goals the student expects to meet by choosing the Bachelor of University Studies degree.
3. A program of study consisting of a minimum of 120 semester hours with at least 50 semester hours of upper-level credit, and an area of concentration of 32 semester hours. The courses may cross departmental lines but the areas must be related and justified by the student’s goals.
4. Completion of the requirements for graduation (as stated in this Catalog on page 40).
5. The student’s Senior Portfolio should demonstrate the five Abilities required by the departments reflected in the concentration. Projects for the Senior Portfolio should be selected from upper-level course work.

Master of Education

For a description of master degree options and requirements, see page 167 of this Catalog.
GRADUATION REQUIREMENTS

All students must meet certain general requirements before graduating from Valley City State University. The student enrolled in a bachelor’s degree program may elect to graduate under the requirements of the catalog in effect during the year of graduation or under the catalog in effect when he or she originally enrolled in the University provided the time lapse is less than seven years.

The following represent the conditions for graduation:

1. All candidates for a degree in a specific term must make formal application with the Office of the Registrar. The deadline dates for applying are December 1 for spring semester and May 1 for summer and fall semester.

2. A minimum of 120 semester hours are required for graduation with a bachelor’s degree.

3. A minimum of six hours of Valley City State University credit are required for a major and three hours for a minor. All candidates for a degree must complete 30 semester hours from VCSU. A minimum of six hours of VCSU credit is required for all certificates.

4. All academic requirements must be completed before a student may graduate.

5. For the bachelor’s degree, a minimum of 30 upper division semester hours must be completed at the 300 and 400 course level. Career-Technical Education majors complete an area of technical specialty in lieu of this requirement.

6. The same course may not be used to fulfill requirements in two areas except when the student is graduating with a composite major, double major, or with more than one minor. Majors in education are considered “composite” majors.

7. All candidates for a degree must have a cumulative grade point average of at least 2.0. The student must also demonstrate a minimum grade point average of 2.0 in each of the following areas: major, minor, area of concentration, certificate, and general education. Those students receiving a B.S. in Education degree must have met the GPA requirements for continuance in teacher education.

8. All financial obligations to the University must be met at least two weeks before the date of graduation.

9. Degrees are conferred at commencement exercises held at the close of the spring semester. Candidates for graduation are those students who have satisfied graduation requirements summer through spring. Students completing graduation requirements spring semester are expected to participate in the exercise. Other immediately preceding term graduates are encouraged to attend, as well.

10. All candidates for a degree must successfully demonstrate VCSU abilities using a digital portfolio. Successful completion of the portfolio is determined by the academic department for each major earned.

Failure to Complete Requirements

Students must complete all requirements for the degree within 30 days of the end of the semester of graduation or apply for graduation in a subsequent semester.

The Digital Portfolio Requirement at VCSU

As part of their graduation requirement at VCSU, all students must develop a digital portfolio that demonstrates meeting the abilities and skills requirements for their degree.

Students begin work on their portfolios in General Education courses by preparing projects that show their achievement of the Abilities which each General Education course emphasizes (see the General Education Abilities page 35) for more specific information. As students progress in their majors, they further develop some of these Abilities that pertain specifically to their major fields of study. The specific Abilities developed in each academic department/school are indicated in the description of each department/school. Each class includes projects and activities that allow students to develop and illustrate their achievements in the specified Abilities.

Currently, students prepare their digital portfolios in myeFolio. The portfolio presents the best work each student has completed while studying at VCSU. The portfolio illustrates the student’s significant achievement of at least five of the eight VCSU Abilities. Some of these Abilities are major-specific, and some relate to the student’s minor field, general education, or co-curricular activities.

Students with B.S. in Education programs must also document professional education Abilities required by the School of Education.

Portfolio Requirement for Double Majors and Students with two degrees (in the same semester):

Students graduating with a double major or with two degrees (in the same semester) must complete a single portfolio which presents the required Abilities from both majors or degree programs. Some Abilities will overlap between majors or degree programs. In presenting each overlapping Ability in the senior portfolio, the student must explain how the project meets the requirements of both majors or degree programs. Students may include more than one project to demonstrate the accomplishment of each Ability, and may prefer to use a project from each major or degree program to demonstrate an overlapping Ability.
OTHER STUDENT-SPECIFIC INFORMATION

Family Education Rights and Privacy Act (FERPA)

As custodian of student records and in compliance with the Family Educational Rights and Privacy Act of 1974, the university assumes the trust and obligation to ensure full protection of student records which includes maintaining the confidentiality of educational records. The administrative procedures outlined in this section are to be complied with by university personnel who have or accumulate educational records which are in a personally identifiable form. The term “student” in this section means an eligible student under FERPA (a student at VCSU). Students may review a copy of FERPA and the regulations at the Office of the Registrar.

Student records maintained by the university fall into two general categories—directory information and educational records.

Directory Information

Directory Information is information concerning a student which may be released publicly. Valley City State University defines Directory Information, as required under the ND State Board of Higher Education Policy 1912. It includes the following:

- Name (all names on record)
- Address (all addresses on record)
- E-mail address (all electronic addresses on record)
- Phone Number (all phone numbers on record)
- Height, weight and photos of athletic team members
- Date of birth
- Place of birth
- Major field of study (all declared majors)
- Minor field of study (all declared minors)
- Class level
- Dates of attendance
- Enrollment status
- Names of previous institutions attended
- Participation in officially recognized activities and sports
- Honors/awards received
- Degree earned (all degrees earned)
- Date degree earned (dates of all degrees earned)
- Photographic, video or electronic images of students taken and maintained by the institution

A student may request that any or all of their directory information not be made public by officially requesting a restriction in the Office of the Registrar between the first and tenth day of class in a term. The specified directory information will then be treated the same as educational records information. In response to public inquiries, the university will verify only whether or not an individual is currently enrolled at the university, unless student name is restricted. This request will remain in effect until revoked in writing by the student.

The university receives inquiries for directory information from a variety of sources including, but not limited to, prospective employers, other colleges and universities, graduate schools, licensing agencies, government agencies, news media, parents, friends, and relatives. Students should consider very carefully the consequences of their decision to withhold release of any or all directory information items. VCSU has no responsibility to contact a student for subsequent permission to release directory information after the student has requested a restriction. Student requests to withhold directory information will be honored until the student specifically and officially requests to lift these restrictions.

Educational Records

Educational records are those records, files, documents, and other materials which contain information directly related to a student’s academic progress, financial status, medical condition, etc. and are maintained by Valley City State University or a party acting on behalf of the university. Educational records include more than academic records. Educational records, with the exception of those designated as directory information, may not be released without the written consent of the student to any individual, agency, or organization other than specifically authorized personnel. A complete copy of the VCSU Student Record Policy can be found in the Student Handbook.

FERPA privileges cease upon the death of a student. A written and signed request from the decedent’s parent, guardian or spouse is required for release of this information. FERPA privileges end when an individual is no longer a student.

LEARNING TO LIVE, LIVING TO LEARN

First year students will enroll in UNIV 150, Learning to Live, Living to Learn, a seminar which provides an introduction to many aspects of campus life at VCSU. The Learning to Live course begins during the opening weekend activities prior to the start of fall semester and continues into the semester.

Learning to Live course topics include team building, orientation to campus services, adjusting to college, substance abuse issues, academic policies, time management, academic advising, orientation to career services, learning styles, stress management, Campus Connection training, and paying for college. In addition, students complete a required service project.

First year students 21 years or older and those entering with 23 or more semester hours may elect not to take UNIV 150.
Allen Memorial Library

Director
Donna V. James
701.845.7275 or 701.845.7277
800.532.8641, extension 37277
FAX: 701.845.7284
library@vcsu.edu
library.vcsu.edu

HOURS
During the academic year, the library is open Monday–Thursday 7:45 a.m. to 11:00 p.m., Friday 7:45 a.m. to 4:00 p.m., and Sunday 5:00 to 11:00 p.m. Finals week, holiday and summer hours may vary; please phone or check the website (library.vcsu.edu/vp.htm?p=2105) to verify hours.

The university’s library is located at the heart of the VCSU campus, between McFarland Hall and the Student Center. While many of the library resources are online and accessible 24 hours a day, print and media items, access to printers and other equipment, and reference assistance is available six days a week, when the library building is open. The library offers building-wide wireless access to the Internet, a student lounge and meeting areas, a classroom on second floor, and several listening areas and small-group study rooms.

MISSION
To support the overall mission of Valley City State University, Allen Memorial Library personnel provide access to resources through expedited cataloging and technical processing procedures, information literacy instruction at point of need and informal educational settings, efficient interlibrary loan and document delivery systems, and a customized request-for-purchase system that fills over 90% of suggestions for purchase.

SERVICES
The library’s website at library.vcsu.edu provides customized access points for a variety of resources including links to the state-wide OPAC via the Aleph interface, state and federal government documents, online ebooks, eReserves, electronic journals, and many other resources. On-campus access to all resources is IP authenticated, while members of the VCSU community from a distance can access the subscription resources through a simple remote authentication process. In order to better serve online information demands, the library is increasing the number of online and electronic resources specifically designed for university programs.

Allen Memorial Library offers professional reference services in person from 9:00 a.m. to 3:00 p.m. Monday through Friday and several weekday evenings from 7:00 to 11:00 p.m., additional eReference and reference-on-call services, and information literacy opportunities for faculty, staff and students by arrangement.

THE BUILDING
The lower level of Allen Memorial Library houses the Curriculum Library which supports the University’s undergraduate and graduate library education programs as well as the Teacher Education program. It provides a representative collection of pre-school through high school instructional resources including textbooks and instructional multimedia, along with children’s fiction and nonfiction books. In addition, the library cooperates with the Valley City Area Teacher Center and the South East Education Cooperative (SEEC) by housing those collections and providing office space for administrative personnel. Resources in the Teacher Center are available for use by university staff, students, and faculty under the cooperative arrangement.

CUSTOMIZED STUDY AREAS
Library users are invited to study collaboratively in a casual setting on the first floor areas of the library where conversation, watching TV and social interaction is encourage. Study areas located throughout the building—in the stacks, in the Curriculum Library and in the Learning Center—are also designated for casual study. Cell phone use is encouraged and permitted in these areas.

WELCOME TO THE QUIET ZONE: TALK OUT THERE, THINK IN HERE
The second floor of Allen Memorial Library is designated as the library’s “Quiet Zone.” Recent renovations have created formal and informal quiet study spaces, including a classroom, study carrels, single-person tables, reading chairs, and the Ramos Room—a small-group study room with online TV and presentation equipment—which can be reserved by individuals and small groups seeking a private study area. Library users on second floor are strongly encouraged to turn off cell phones and limit conversations with others.
HISTORY & SPECIAL COLLECTIONS

Allen Memorial Library, named after Carlos Eben Allen, Valley City State University President from 1918–36, opened its doors in 1951 and presently houses nearly 200,000 books, periodicals, microforms, and nonprint materials. The collection’s strengths reflect the curricular strengths of the university: education, business, information science, the arts, as well as general science, mathematics, humanities, and social sciences.

Special collections include:
• The North Dakota and North Dakota Documents Collection
• The Larry Woiwode Manuscript Collection
• The James D. Ployhar Score Collection
• VCSU Archives
Mission

The mission of the School of Education is to prepare preservice students to become competent teachers capable of making sound decisions in the areas of elementary education, secondary education, middle school, early childhood, reading, English language learners, special education, and science, technology, engineering, and mathematics (STEM) education. Graduates need to be skilled in teaching and guiding students from varying backgrounds who possess a multitude of unique experiences, strengths, and needs. The School’s program is built upon the belief that competent teachers are knowledge-based decision makers. This is reflected in the program’s goals and objectives.

Accreditation and Program Approval

The Teacher Education Program at Valley City State University is nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). This accreditation covers initial teacher preparation programs. NCATE is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation to accredit programs for the preparation of teachers and other professional school personnel. The NCATE Standards focus on the following six areas:

• Candidate Knowledge, Skills and Dispositions
• Assessment System and Unit Evaluation
• Field Experience and Clinical Practice
• Diversity
• Faculty Qualifications, Performance and Development
• Unit Governance and Resources

The Teacher Education Program at Valley City State University is also approved by the North Dakota Education Standards and Practices Board (ESPB).

VCSU’s long-standing accreditation relationship continues with NCATE as the organization transforms into the Council for the Accreditation of Education Preparation (CAEP).

Goals

The broad goals of the teacher education program at Valley City State University are to prepare entry-level teachers who:

1. Plan — Make decisions regarding goals and objectives, the degree of background building required, connections to standards and curriculum, specific materials and instructional strategies. The planning of instruction is based upon knowledge of the subject matter, the learners in the classroom and the curriculum goals.

2. Implement — The implementation function requires the teacher to carry out the plan. During the actual teaching phase, numerous decisions are made, often quickly, as the teacher responds to students’ reactions, comments, and instructional needs. Teachers learn to value the development of their students’ critical thinking, problem solving, and performance skills. At times, these skills require a variety of instructional strategies, questioning skills, classroom management skills, use of technology, and teacher flexibility to come to the surface. As a result, modification of prepared plans becomes the rule rather than the exception.

3. Evaluate — During the evaluation phase of decision making, the teacher needs to determine the degree to which the instructional objectives were attained. Teachers must apply ongoing informal and formal assessment strategies to identify what and to whom re-teaching is required, and to what level of understanding the students have learned the skill or content from the experience. Formative assessment strategies are applied to provide students with timely, descriptive feedback to promote learning, support, and guidance.

4. Reflect— Planning, implementation, and evaluation are done by using feedback in a reflective manner. During the entire process, it is essential the decision maker realizes that professional growth and development is continuous.

The teacher education program can be described as having three major domains. The overall goal of each is as follows:

Domain I: General Education:

To help preservice teachers acquire a broadly-based liberal arts education needed in order to function as informed members of our society and within the teaching profession.

Domain II: Specialty Studies:

To prepare preservice teachers who possess strong backgrounds within each subject area they will teach.

Domain III: Professional Studies:

To prepare preservice teachers who are able to function in a variety of educational settings and with students of diverse backgrounds, abilities, and needs.
Institution Abilities

Content majors will demonstrate competencies defined by their course of study.

Objectives

The following thirteen objectives provide direction for the design of the teacher education program. The program is designed to prepare teacher candidates who:

1. Possess an understanding of how children learn and develop, recognizing that patterns of learning and development vary individually.
2. Use understanding of individual differences and diverse communities to ensure inclusive learning environments that allow each learner to reach his/her full potential.
3. Work with learners to create environments that support individual learning, encouraging positive social interaction, active engagement in learning, and self-motivation as well as possessing the knowledge and skills to manage a classroom effectively.
4. Possess an understanding of the main ideas used in facilitating student higher level thinking and creating learning experience that allow learners to apply problem solving skills.
5. Connect concepts and use differing perspectives to engage learners in critical/creative thinking and collaborative problem solving related to authentic local and global issues.
6. Use multiple methods of assessment to engage learners in their own growth, to document learner progress, and to inform the teacher’s ongoing planning and instruction.
7. Draw upon knowledge of content areas, cross-disciplinary skills, learners, the community and pedagogy to plan, implement and evaluate instruction that supports every learner in meeting rigorous learning goals.
8. Use a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to access and appropriately apply information.
9. Are reflective practitioners who use evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (students, families, and other professionals in the learning community), and adapts practice to meet the needs of each learner.
10. Collaborate and communicate with students, families, colleagues, other professionals, and community members to share responsibility for student growth and development, learning, and well-being.
11. Are competent in the communication skills of listening, reading, writing and speaking.
12. Exhibit the professional and personal characteristics of effective teachers such as responsibility, fairness, enthusiasm, cooperativeness, and ethical behavior.
13. Integrate technology effectively to enhance learning.

Delivery of Curriculum

The program provides an opportunity for enrollees to acquire entry-level teaching knowledge and skills through university courses and field experiences. The field experiences and student teaching take place in K-12 school classrooms.

Field experiences commence during the sophomore year and continue through the senior year. Student teaching is the apex of the entire teacher preparation program completed during the senior year.

The preparation of preservice teachers is closely guided by the university faculty and cooperating K-12 teachers. A carefully designed program provides instruction and experiences which include a multi-mode system to provide feedback to evaluate the preservice teachers’ learning and performance.

Admission to Teacher Education

Applicants are admitted to study at Valley City State University on the basis of academic and personal qualifications, consistent with the admissions policies established for all public colleges and universities in the state. The admittance and continuance requirements of the Teacher Education Program go beyond those of the institution. Students are typically admitted into teacher education during their sophomore year or the beginning of the junior year. While enrolled in EDUC 250, the introductory course to Teacher Education, the VCSU Teacher Education Program Handbook is reviewed online. Enrollees are given application forms to complete and submit to the Dean and the Teacher Education Committee.

Criteria for Admission to Teacher Education

The student who intends to pursue a program in teacher education must apply to the Teacher Education Committee and be approved for admission to the program. A student must meet the following criteria to be considered for admission:

1. A minimum cumulative grade point average of 2.75. A teacher candidate seeking admission to Teacher Education with a cumulative GPA between 2.50 and 2.74 may be considered for approval to Teacher Education by the Teacher Education Committee if the candidate has a 2.75 GPA in the candidate’s education major(s) or a minimum cumulative GPA of 2.75 in the past two semesters. The teacher candidate must also have acceptable dispositions and field experience evaluations.
2. Satisfactory academic performance with a “C” or better in the general education composition requirement and successful completion of a speech screening test.
3. Written recommendations from the advisor, a School of Education instructor, and any other related professionals.
4. Meet state standards on North Dakota required tests to measure prospective teacher’s content knowledge in reading, writing, and mathematics. See www.ets.org/praxis/nd/requirements for test requirements.
5. Demonstrate proper dispositions necessary to teach for learning.
6. Satisfactory academic performance with a “C” or better in EDUC 250: Introduction to Education.

The Teacher Education Committee will review the documentation and make a recommendation to the School of Education Dean to accept or deny the application for admission to the program. If the applicant is denied admission due to a condition that can be corrected, the applicant may reapply when the deficiency is removed.

Continuance in Teacher Education

In order to continue in the Teacher Education program, the student must:

1. Continue to maintain cumulative grade point average requirements set forth in Criteria for Admission to Teacher Education.

2. Demonstrate proper disposition and evidence of good conduct, physical and mental health; and

3. Continue to obtain satisfactory recommendations from faculty, staff, and field experience supervisors.

If requirements for continuance are not maintained, the Teacher Education Committee may recommend suspension from the program. The Committee will forward its recommendation to the Dean who will make the final decision. Any such action would be reflected in a letter from the School of Education Dean to the student and the advisor.

Student Teaching

Student teaching is the culminating experience of the Teacher Education Program. During this time, preservice teachers apply what they have learned about theory and methodology through their university coursework and earlier field experiences. Student teaching provides an opportunity to plan and implement interesting, relevant lessons, as well as use a variety of assessment techniques to determine both the effectiveness of instructional strategies and the level of student learning. Teacher candidates will utilize the Teaching for Learning Capstone (TLC) unit model to plan, implement, evaluate, and reflect on one unit of instruction during their student teaching experience.

Student teaching experiences allow for application of the VCSU conceptual framework, adaptations for diversity, appropriate uses of technology, assessment of student learning, and reflection on teaching practice. Skills in decision making, various instructional strategies, classroom management procedures, and questioning are further enhanced.

Student Teaching requires at least 12 full-time consecutive weeks. VCSU promotes co-teaching strategies to make optimal use of teacher candidate and cooperating teacher efforts to enhance student learning opportunities in the classroom.

Additional information about student teaching is included in the VCSU Handbook for Student Teaching.

Criteria for Admission to Student Teaching

A student must meet the following criteria to be considered for admission to student teaching:

1. Senior standing with continued satisfactory performance on all criteria for admission and retention in the teacher education program. Recommendations by the Vice President for Student Affairs and the appropriate department/school chair will be reviewed.

2. Completion of the professional education sequence before student teaching. The Director of Field Experiences in consultation with the School of Education Dean may make exceptions to this criterion if circumstances warrant.

3. Submission of student teaching application to the Director of Field Experiences during the semester preceding the semester of student teaching.

Requirements to Student Teach

1. Agreement to provide evidence of personal liability insurance by joining the Student North Dakota United (SNDU) or by a private insurance policy. The student will present proof of such insurance on or prior to the first day of the semester of student teaching.

2. A criminal background investigation including the Bureau of Criminal Investigation and Federal Bureau of Investigation must be completed prior to student teaching.

3. Submission of Praxis II test scores or a confirmation number of registration for the Praxis II tests (content and Principles of Teaching & Learning [PLT]). See www.ets.org/praxis/nd/requirements for test requirements.

4. Meet state standards on North Dakota required tests to measure prospective teacher’s content knowledge in reading, writing, and mathematics.

5. During student teaching, students will not be allowed to take any semester hours of credit during the 12 weeks of student teaching without approval of the Director of Field Experiences. Students who request to take more than three semester hours of credit during the 12 weeks of student teaching, will need approval from the Dean of Education. Any requests for exceptions must be presented in writing to the Director of Field Experiences. Classes cannot be taken during the daily full time student teaching assignment block.

Valley City State University reserves the right to have the student meet additional requirements that the School of Education may establish. The Teacher Education Committee will review the application and recommend to the Dean of the School of Education to approve or deny the application for admission to student teaching.
Criteria for Licensure Recommendation

The Dean of the School of Education makes the recommendation for Teacher Licensure. In order to be recommended, a student must meet the following requirements:

1. Satisfactory completion of all program requirements, as described in the University Catalog and the Teacher Education Program Handbook.
2. Successful student teaching experience.
3. Successful completion of TLC unit and presentation of a digital portfolio.
4. Successful completion of all licensure requirements.

The School of Education & Graduate Studies responds to requests for information from the North Dakota Education Standards and Practices Board for issuance of a teaching license.

Out-of-State Licensure

Valley City State University's nationally accredited education programs meet requirements for North Dakota teacher licensure. Although most states accept our teacher education program graduates for licensure, VCSU cannot confirm nor advise that education programs meet requirements for every state. Students seeking licensure in states other than North Dakota should contact the appropriate licensing board in the state in which they are pursuing licensure.

Appeal and Petition Process for Teacher Education

Students seeking an exception to policies, regulations, or academic requirements of the Teacher Education Program may submit a written petition requesting exemption to the Teacher Education Appeals Committee. Items which students may appeal, include requirements regarding the grade point average; competency in reading, writing, mathematics, and speech; record of good conduct; scores of the Pre-Professional Skills Test (PPST) or the Core Academic Skills for Educators Test (CORE); and other items as they relate to the Teacher Education program. The burden of proof for demonstrating the appropriateness of the request rests with the student.

The Teacher Education Appeals Committee, comprised of three faculty members from the Teacher Education Program, will consider the evidence and make a recommendation in the matter. All recommendations and actions of this committee are advisory in nature to the Dean who will render a final decision in a timely manner.

Students wishing to appeal any recommendation of the Teacher Education Appeals Committee or a decision of the department chair should consult the Student Handbook, which details final appeals procedures under the University Hearings and Appeals Board.
McCarthy Hall 3rd Floor
Department Chair: Armando Ramos, M.F.A.
Assistant: 800.532.8641 extension 37580
701.845.7580
www.vcsu.edu/academics/divisions/finearts/art-dept/

At VCSU, all students benefit from developing aesthetic responsiveness, cultural awareness, and historical and contemporary perspective. In addition, the Department of Art also prepares students for careers in K-12 art education; professional study in art; and for careers in art-related businesses.

Learning Outcomes
1. Encourages individual expression through verbal and nonverbal communication and active collaboration in creative endeavor
2. Provides elementary and secondary art students with the essential knowledge and skills to become successful classroom teachers
3. Prepares students for professional study in art
4. Prepares students for careers in arts-related businesses

Majors
Art - Composite (B.A., B.S.)
Art Education (B.S. in Education)
K-12 Certification in Art (B.S. in Education)

Minor
Art

Certificate of Completion
Digital Design

Faculty: Armando Ramos, M.F.A.; Karri Dieken, M.F.A.
Today’s global economy is more competitive than ever, and VCSU is a great place to launch a successful career. Faculty bring real-world experience to the classroom so they know how to apply the principles they teach. VCSU has partnerships with leading Enterprise Software providers (including Microsoft, SAP, and Oracle) and incorporates their software into the curriculum so students graduate with hands-on experience. Faculty build relationships with area businesses to create more opportunities for internships.

The overall objective of the Department of Business is to prepare students for gainful employment and further education through continually improving programs in the various areas of business, education, and information systems.

Learning Outcomes
1. Students will develop marketable skills for professional employment or graduate work in business. The vast majority of Department of Business graduates will secure employment commensurate with their chosen concentration/degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will gain considerable knowledge of subject matter to form a strong foundation for future career endeavors evidenced as follows:
   a. Business Administration students' knowledge of accounting, agriculture, finance, economics, human resources, marketing and management will compare favorably with students across the nation as measured by a standardized content exam.
   b. Business students will demonstrate advanced command of complex critical thinking and problem solving through successful capstone project completion.
   c. Students pursuing education degrees within business will successfully pass subject-area exams and gain teaching licensure.
3. Students in Business majors will increase and broaden understanding and capabilities with technology selection and application.

Majors
- Business Administration - Composite (B.S.)
  - Accounting Concentration
  - Agribusiness Management Concentration
  - Business Process Management Concentration
  - Finance Concentration
  - Human Resource Management
  - Management Concentration
  - Marketing Concentration
- Business Education - Composite (B.S. in Education)
- Business Education (B.S. in Education)
- Business Process Integration Management - Composite (B.S.)

Minors
- Business
- Human Resources
- Marketing
- Office Management

Certificate of Completion
- Digital Design
The focus of study in the Department of Communication Arts is humanity in its broadest dimensions, specifically those highly developed human capabilities of communication, media literacy, and performing arts.

The Professional Communication program develops effective and ethical experts in communication who exercise innovative and exemplary leadership and followership to build relationships and communities.

Learning Outcomes
1. Communicate competently to diverse audiences in a variety of settings.
2. Engage effectively in research, problem-solving, and media-literacy endeavors.
3. Perform a variety of communication acts in interpersonal, small, and large groups.

Master of Education in Library and Information Technology: The Master of Education in Library and Information Technology is designed to meet both state and national standards for library media education and will enable the student to be certified in the state of North Dakota at the highest credential level.

For more information on the Master of Education program, please see the Graduate Program section of this catalog.

Majors
- Professional Communication (B.A., B.S.)
  - Corporate Communication Concentration
  - Digital Media Management Concentration
  - Media Communication Concentration

Minors
- Library Media & Information Science
- Speech, Communication, and Theatre Arts
- Theatre
Today's global economy is more competitive than ever, and VCSU is a great place to launch a successful career. In Computer Systems and Software Engineering programs, students learn to solve problems using technology in the solution. Faculty bring real-world experience to the classroom so they know how to apply the principles they teach. VCSU has partnerships with leading Enterprise Software providers (including Microsoft, SAP, and Oracle) and incorporates software into the curriculum so students graduate with hands-on experience. Faculty build relationships with area businesses to create more opportunities for internships. Innovative programs like the software engineering major as well as CRM and Enterprise Applications certificates give students specialized skills that employers demand.

**CSSE Value Statements**

*Our Programs*
We create a supportive, encouraging, and challenging learning environment. This motivates students to learn, experiment, and focus on goals with the confidence of being enrolled in a strong academic program dedicated to continuous improvement.

*Our Students*
When our students feel a part of our academic community they dedicate themselves to their studies, persevere through challenges, and reach success. We celebrate together in their accomplishments.

*Our Colleagues*
We treat each other with respect, seek opportunities to engage in the work of the department, provide or support leadership, and strive for continuous improvement in our courses and programs.

*Our Stakeholders*
We welcome interactions with our community, industry, and academic stakeholders. We take ideas under advisement and identify program improvements for the betterment of society.

*Our Lives*
We encourage healthy lifestyles and respect individual needs to care for our bodies, minds, and souls. Taking care of ourselves allows us to be fully engaged while doing our jobs.

**Majors**
- Computer Information Systems – Composite (B.A., B.S.)
- Software Engineering – Composite (B.A., B.S.)

**Minor**
- Computer Science

**Certificates**
- Customer Relationship Management
- Enterprise Applications
The HPE Department has chosen four overarching learning outcomes that coincide with the departmental abilities.

**Learning Outcomes**

1. Become a critical-thinking professional who possesses the ability to collect, synthesize and apply content information to resolve problems relating to the profession.
2. Demonstrate effective communication skills.
3. Utilize technology to enhance learning and complete academic challenging tasks.
4. Effectively work within a group or team to accomplish a common goal.

**Athletic Training Majors**

Athletic Training majors are required to apply and be accepted into the professional phase of the Athletic Training program before entering the second year of study.

**Majors**

- Athletic Training - Composite (B.S.)
- Exercise Science & Leisure Studies - Composite (B.S.)
  - Exercise Science Concentration
  - Leisure Studies Concentration
  - Sport Management Concentration
  - Strength & Conditioning Specialist Concentration
- Health Education (B.S. in Education)
- Physical Education-K-12 (B.S.in Education)

**Minors**

- Athletic Coaching
- Health Education
- Physical Education

**Certificates of Completion**

- Athletic Coaching
- Strength & Conditioning
Department of Language and Literature

McFarland Hall 3rd Floor 315

Department Chair: Julee Russell, Ph.D.
Assistant: Jody Schnaidt
800.532.8641 extension 37310
701.845.7310
FAX: 701.845.7328
www.vcsu.edu/academics/divisions/cass/langlit/

Learning Outcomes

English and English Education
1. Ensure that students possess the academic and creative writing skills essential to collegiate success
2. Provide the critical reading and thinking skills to support lifelong learning
3. Affirm the value of understanding cultural differences

Spanish and Spanish Education
1. Communication: Ability to understand, interpret and produce effective, grammatically correct Spanish
2. Culture: Ability to demonstrate understanding of the relationships between practices, products, and perspectives in Spanish and Latin-American cultures
3. Connections: Ability to adopt the worldview and perspectives of Spanish speakers
4. Comparisons: Ability to develop their understanding of language and culture by comparing Hispanic cultures and languages to the learner’s native language
5. Communities: Ability to engage with Spanish speakers outside the academic environment and participate in authentic language usage

Master of Education: The Master of Education program offers a concentration in English. The courses are designed for teachers. For more information on the Master of Education program, please see the Graduate Program section of this catalog.

English Faculty: Gregory Brister, Ph.D.; Shou-ching Chao, Ph.D.; Lee Kruger, M.A.; Julee Russell, Ph.D.; Jodi Shorma, M.A.

Spanish Faculty: Dina Zavala-Petherbridge, M.A.

Majors
English (B.A., B.S.)
- General Concentration
- Literature Studies Concentration
- Professional Writing Concentration
English Education (B.S. in Education)
Spanish (B.A., B.S.)
Spanish Education (B.S. in Education)

Minors
English
Spanish
Mathematics is the foundation for all science, technology, and engineering. It is an interesting major in its own right. Mathematical sophistication is a fundamental skill for a technical society like ours. Mathematics is a major that leads to careers in business, industry, and government, as well as graduate study in a large variety of disciplines. There is plentiful demand in the job market for individuals skilled in mathematics. This major follows the guidelines of the Committee on Undergraduate Programs in Mathematics established by the Mathematical Association of America.

**Learning Outcomes**

1. Students will understand the classical fundamental and foundational theories of modern mathematics.
2. Students will understand the definition of a mathematical concept and explain it using concrete examples.
3. Students will use computational skills to theoretically carry out variations of an equation and/or proposition.
4. Students will use logical reasoning skills to understand or provide proof of a proposition.
5. Students will formulate and solve mathematical problems and explain an obtained result to others logically, concisely, and precisely.

**Majors**

- Mathematics (B.A., B.S.)
- Mathematics Education (B.S. in Education)

**Minors**

- Mathematics
Department of Music

Foss Hall 113
Department Chair: Christopher Redfearn, D.A.
Assistant: Paula Larson
800.532.5641 extension 37272
701.845.7272
FAX: 701.845.7264
paula.larson@vcsu.edu
music.vcsu.edu


Accredited by the National Association of Schools of Music (NASM), the music program at Valley City State University is known for its innovative programs, dedicated faculty, and generous scholarships. The Department of Music at VCSU offers multiple opportunities for performance, including Concert Band, Athletic Band, Concert Choir, University Singers, Jazz Ensemble, Percussion Ensemble, and numerous chamber and solo performances. Generous scholarships are offered to music majors, music minors, and participants in the various ensembles.

Mission of the Department of Music

• Provide superior training for public school music teachers
• Assist musicians to perform at their highest possible level of ability
• Develop in students a broad understanding of music within the context of a liberal arts education
• Lead in innovative online music programs
• Contribute to the cultural environment of campus and community

Learning Outcomes

1. Ability to perform musically
2. Ability to analyze music using a theoretical perspective
3. Ability to interpret music using correct historical and stylistic elements
4. Ability to collaborate well with others
5. Ability to practice North Dakota Teachers Content Standards with proficiency (applicable to B.S. Music Education students)

Majors
Music - Composite (B.A., B.S.)
K-12 Certification in Music (B.S. in Education)
Music Education - Composite (B.S. in Education)
  K-12 Vocal-Instrumental Music
  K-12 Vocal Music
  K-12 Instrumental Music

Minors
Music
Music Production & Recording
Piano Pedagogy

Certificates of Completion
Music Composition
Music Production & Recording
Piano Pedagogy
The Science Department seeks to encourage and develop the ability of students interested in pursuing a career in the pure and applied sciences. We provide students with academic counseling, courses, programs and research experiences that will prepare them for their future employment or enable them to enter their professional or graduate school of choice. The Science Department is well rounded in the sciences with majors in Biology, Chemistry, Health Science, Medical Laboratory Science, and Fish and Wildlife Sciences. In addition we take seriously the training of our future teachers with majors in Biology Education and Chemistry Education.

**Learning Outcomes**

On completion of a major in the Science Department our students should:
1. Demonstrate a fundamental knowledge of the major concepts in the science disciplines.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Understand the importance of science to themselves and society.
5. Analyze the consequences of activities on themselves and their environment.

**Majors**

- Biology (B.A., B.S.)
- Biology Education (B.S. in Education)
- Chemistry (B.A., B.S.)
- Chemistry Education (B.S. in Education)
- Fisheries & Wildlife Science - Composite (B.A., B.S.)
- Health Science - Composite (B.A., B.S.)
- Medical Laboratory Science - Composite (B.S.)

**Minors**

- Biology
- Chemistry
- Earth & Environmental Science
- Physics
Department of Social Science

McFarland Hall 3rd Floor 315

Department Chair: Steven King, D.A.
Assistant: Jody Schnaidt
800.532.8641 extension 37310
701.845.7310
FAX: 701.845.7328
www.vcsu.edu/academics/divisions/cass/socsc/

Faculty: Luis da Vinha, Ph.D.; Anthony Dutton, Ph.D.; Emily Fenster, Ph.D.; Kathryn Holleque, Ed.D.; Erin Klingenberg, Ph.D., LPCC; Steven King, D.A.; Kathryn Woehl, Ph.D.

The focus of study in the Department of Social Science is humanity in its broadest dimensions, specifically those highly developed human capabilities of communication and social organization.

The general goals of the department are:
1. To help all students achieve a better understanding of the common cultural heritage, beliefs, and values through study of the humanities;
2. To promote an understanding of social organization and interactions through the study of history, the social sciences, and psychology; and
3. To promote global awareness and appreciation of diverse cultures through the study of world cultures, history and geography and to provide opportunities to study in other countries.

Majors
- History (B.A., B.S. in Ed)
- Human Services - Composite (B.A., B.S.)
  - Criminal Justice Concentration
  - General Human Services Concentration
- Psychology (B.A., B.S.)
- Social Science - Composite (B.A., B.S., B.S. in Education)

Minors
- History
- Psychology
- Sociology
The Department of Technology offers several completely online options, including Technology Education, Career and Technical Education (CTE), and STEM Education.

Technology Education and STEM Education options are based on the Standards for Technological Literacy, Common Core, and Next Generation Science Standards. Paths to certificate/endorsement or licensure may include on-campus or online delivery of courses. The program has the flexibility to be offered as a four-year degree or may include a Technology Education content major only to fill a deficiency for endorsement or licensure as per requirements in your home state.

The CTE major prepares you for teaching positions in school CTE programs, post-secondary technical programs, and private technical colleges. The CTE composite major allows you to transfer in your associate degree and/or experience and teach in trade, industry, technical, or health service areas such as automotive technology, construction technology, electronics, health careers, and welding. The degree requirements may also include full certification by the North Dakota Department of Career and Technical Education for trade, industry, technical, and health education teachers. Non-teaching program graduates may seek entrepreneurial careers in the private sector.

Master of Education For more information on the Master of Education program, please see the Graduate Program section of this catalog.

Majors
- Technology Education (B.S. in Education)
- Career and Technical Education (B.S., B.S. in Education)

Minor
- Technology Education

Endorsement
- STEM Education

Certificate of Completion
- STEM Education--Elementary
- STEM Education--Secondary
School of Education and Graduate Studies

McFarland Hall, Third Floor 326
Dean: Gary Thompson, Ed.D.
Assistants: Irene Groth
800.532.8641 extension 37196
701.845.7196
irene.groth@vcsu.edu
FAX: 701.845.7190
www.vcsu.edu/segs
Emma Tufte
800.532.8641 extension 37189
701.845.7189
emma.tufte@vcsu.edu


Founded as a teacher’s college over 120 years ago, VCSU is widely respected as having one of the finest teacher education programs in the region. Students have the opportunity to become qualified for nearly any area of K-12 education from the elementary classroom to rapidly growing areas of specialization like ELL and STEM Education.

Valley City State University’s School of Education and Graduate Studies offers a Master of Education (M.Ed.) degree with concentrations in Elementary Education, English, Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, and Technology Education. This online program may be completed in two years over six semesters.

Master of Education For more information on the Master of Education program, please see the Graduate Program section of this catalog.

Majors
Elementary Education (B.S. in Education)

Minors
Teaching English Language Learners

Endorsements
Early Childhood
English Language Learners
Kindergarten
North Dakota Middle Level
Strategist Special Education
STEM

Credentials
Library Media Specialist
Reading Credential
Art
Composite Major

MAJOR
There is no such thing as the “starving artist” if you have your Bachelors of Art degree from VCSU. We give you the opportunity for:
• Excellent training for studio artists
• Broad understanding of art within the context of a liberal arts education
• Contribution to cultural environment of campus and community
• Multiple workshops to display your artwork at our own VCSU Gallery

LEARNING OUTCOMES
1. To provide superior training for public school art teachers.
2. To provide excellent studio training for artists. (Aesthetic Engagement, Problem Solving, Communication)
3. To prepare the student for careers in arts-related businesses and industry. (Problem Solving)
4. To contribute to the cultural environment of the campus and the community. (Collaboration)

ABILITIES
Aesthetic Engagement
To develop an increased understanding and appreciation of creative human endeavor.

Communication
To convey thoughts, ideas, data, information, and messages effectively.

Problem Solving/Creative Thinking
Finds, evaluates, and examines new relationships among facts, concepts, theories, and interpretations.

Collaboration
To work together to reach a common goal.

For degree and graduation requirements see pages 39-40.

Department Chair
Armando Ramos, M.F.A.
McCarthy Hall 262
(701) 845-7563

General Education Requirements 39 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I 3
ENGL 120 College Composition II 3
- or - ENGL 125 Intro to Professional Writing 3
COMM 110 Fund of Public Speaking 3
- or - COMM 212 Interpersonal Comm 3
- or - COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics (Select one course) 3 Hrs
MATH 103 College Algebra 3
MATH 104 Finite Mathematics 3
MATH 107 Precalculus 3
MATH 165 Calculus I 4
Lab Science (Select two courses) 8 Hrs
Biol 111, 150, 151, 170, 220, 221 3
Chem 115, 116, 121, 122 3
Geol 100, 106 3
Phys 100, 110, 161, 162, 251, 252 3
Tech 161 3

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Programming I 3

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness 2

Aesthetic Engagement 6 Hrs
Literacies (Select one course) 3 Hrs
ENGL 220, 225, 241, 242, 261, 262 3
Hum 201 Civil, Thought, & Lit Heritage 3
Span 201 2nd Yr I; Span 202 2nd Yr II 3
Thea 110 Intro Theatre; Thea 161 Acting I 3
Art & Music (Select one course) 3 Hrs
Art 110 Introduction to Visual Arts 3
Hum 202 Fine Arts & Aesthetics 3
Mus 100 Music Appreciation 3
Mus 101 Music Fundamentals 3
Mus 207 History of Rock’n’Roll 3

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
Comm 112 Under Media; Comm 114 Human; Econ 201 Prin Micro; Econ 202 Prin Macro
GEOG 151 Human Geog
Hist 103, 104, 211, 212, 260, 267, 270
Pols 115 Amer Gov; Pols 116 State Gov
Psyc 111 Intro Psy
Soc 110 Intro to Soc; Soc 111 Intro Anthro

Required Courses 44 Hours
ART 112 Design 3
ART/COMM 155 Intro to Photography 2
ART 221 Printmaking 3
ART 231 Drawing 3
ART 241 Painting 3
ART 261 Sculpture 3
ART 281 Ceramics 3
ART 309 Art Business 3
ART 311 Art History Survey I 3
ART 312 Art History Survey II 3
ART 331 Drawing 3
ART 332 Drawing 3
ART 411 Art History III: Contemp 3
ART 412 Art History IV: Tribal Art 3
ART 491 Professional Practices 2
ART 492 Senior Exhibition 1

Electives 21 Hrs
ART/COMM 255 Digital & Adobe Elements 2
ART 321 Printmaking 3
ART 322 Printmaking 3
ART 341 Painting 3
ART 342 Painting 3
ART/COMM 355 Advanced Photography 2
ART 381 Ceramics 3
ART 382 Ceramics 3
ART 397 VCSU CSA Internship 1
ART 399 Special topics - Studio 1
ART 494 Independent Study 1
ART 497 Internship 12-3
Bote 337 Authoring Digital Publications 3
CIS 440 Advanced Digital Web Design 3
MRKT 319 Website Authoring 3
STEM ED 331 Innov and Engineering Design 2
STEM ED 431 Design for Engineering 2
Tech 330 Exploring Technology 2

Through electives, students may choose an emphasis in Graphic Design or Fine Arts.

Total General Education 39 Hrs
Total Major Requirement 65 Hrs
Total Credits Needed to Graduate 120 Hrs
Art Education

MAJOR
There is no such thing as the “starving artist” if you have your Bachelors of Art degree from VCSU. We give you the opportunity for:
• Excellent training for studio artists
• Broad understanding of art within the context of a liberal arts education
• Contribution to cultural environment of campus and community
• Multiple showcases to display your artwork at our own VCSU Gallery

LEARNING OUTCOMES
1. To provide superior training for public school art teachers.
2. To provide excellent studio training for artists. (Aesthetic Engagement, Problem Solving, Communication)
3. To prepare the student for careers in arts-related businesses and industry. (Problem Solving)
4. To contribute to the cultural environment of the campus and the community. (Collaboration)

ABILITIES
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Problem Solving/Creative Thinking
Finds, evaluates, and examines new relationships among facts, concepts, theories, and interpretations.

Collaboration
To work together to reach a common goal.

For degree and graduation requirements see pages 39-40.

Department Chair
Armando Ramos, M.F.A.
McCarthy Hall 262
(701) 845-7563

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL 110 College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 120 College Composition II</td>
<td>3</td>
</tr>
<tr>
<td>-or- ENGL 125 Intro to Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>-or- COMM 212 Interpersonal Comm</td>
<td>3</td>
</tr>
<tr>
<td>-or- COMM 216 Intercultural Comm</td>
<td>3</td>
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</table>

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 102 Design</td>
<td>3</td>
</tr>
<tr>
<td>ART/COMM 155 Intro to Photography</td>
<td>3</td>
</tr>
<tr>
<td>ART 221 Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 231 Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 241 Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 261 Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 281 Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 309 Art Business</td>
<td>3</td>
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<tr>
<td>ART 311 Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>ART 312 Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>ART 331 Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 411 Art Hist III: Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>-or- ART 412 Art History IV: Tribal Art</td>
<td>3</td>
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<tr>
<td>ART 490 Secondary &amp; Elementary Art Methods</td>
<td>4</td>
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<tr>
<td>ART 491 Professional Practices</td>
<td>2</td>
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<td>ART 492 Senior Exhibition</td>
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Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ART/COMM 255 Digital and Adobe Elem</td>
<td>3</td>
</tr>
<tr>
<td>ART 321 Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 322 Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 332 Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 341 Painting</td>
<td>3</td>
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<tr>
<td>ART 342 Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART/COMM 355 Advanced Photography</td>
<td>2</td>
</tr>
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<td>ART 381 Ceramics</td>
<td>3</td>
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<tr>
<td>ART 382 Ceramics</td>
<td>3</td>
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<tr>
<td>ART 397 VCSU CSA Internship</td>
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<tr>
<td>ART 398 Practicum in Elem Art Methods</td>
<td>2</td>
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<td>ART 399 Special topics - Studio</td>
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<td>ART 411 Art Hist Survey II: Contemporary *</td>
<td>3</td>
</tr>
<tr>
<td>-or- ART 412 Art History IV: Tribal Art *</td>
<td>3</td>
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<tr>
<td>ART 494 Independent Study</td>
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<tr>
<td>ART 497 Internship</td>
<td>3-12</td>
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</tbody>
</table>

* Can be used as a Directed Elective only if not used as a Required Course

Professional Ed Sequence

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDUC 240 Educating Exceptional Students</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 250 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 283 Underst Cultural Diversity in Ed</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300 Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 351 Sec Practicum &amp; Clrm Mgmt</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 352 Culturally Diverse Practicum</td>
<td>1</td>
</tr>
<tr>
<td>-or- EDUC 464 Practicum in ELL Classroom</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 375 Tch Riding in the Content Areas</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 400 Educational Psychology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 450 Trends in Assess &amp; Ed Issues</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 480 Student Teaching (Sec) **</td>
<td>10</td>
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<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

** Courses to be taken the same semester.

Students seeking K-12 certification will be placed in an Elementary and Secondary classroom setting.

Total General Education 39 Hrs
Total Major Requirement 47 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs
Athletic Training
Composite Major

MAJOR
The Athletic Training major will graduate students who are qualified to sit for the Board of Certification Exam, upon CAATE accreditation. A Certified Athletic Trainer specializes in the prevention, diagnosis, treatment and intervention of emergency, acute, and chronic medical conditions of active patients and clients. Athletic Trainers work with a complete health care team and work together with licensed physicians and health care professionals to insure the best possible care.

1. Athletic Training students will have an understanding of how to improve learning, productivity, and / or performance.

LEARNING OUTCOMES
The Athletic Training Program will prepare students to be eligible to sit for the Board of Certification Exam, upon CAATE accreditation. A Certified Athletic Trainer specializes in the prevention, diagnosis, treatment and intervention of emergency, acute, and chronic medical conditions of active patients and clients. Athletic Trainers work with a complete health care team and work together with licensed physicians and health care professionals to insure the best possible care.

2. Athletic Training students will have an understanding of risk management, healthcare delivery mechanisms, insurance, reimbursement, documentation, patient privacy, and facility management.

ABILITIES
Communication To convey thoughts, ideas, data, information, and messages effectively.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Collaboration To work together to reach a common goal.
Technology Use technological tools and processes to improve learning, productivity, and / or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Diane Burr, M.S./A.T.C.
Graichen Gymnasium 002
(701) 845-7242

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>39 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication &amp; Collaboration</td>
<td>9 Hrs</td>
</tr>
<tr>
<td>ENGL 110 College Composition I</td>
<td></td>
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<tr>
<td>ENGL 125 Intro to Professional Writg*</td>
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<tr>
<td>COMM 110 Fund of Public Speaking</td>
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<tr>
<td>or COMM 212 Interpersonal Comm</td>
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<tr>
<td>or COMM 216 Intercultural Comm</td>
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<tr>
<td>Problem Solving</td>
<td>11 hrs</td>
</tr>
<tr>
<td>Mathematics - 3 crs (Select one course)</td>
<td></td>
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<tr>
<td>MATH 103 College Algebra</td>
<td></td>
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<tr>
<td>MATH 104 Finite Mathematics</td>
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<td>MATH 107 Precalculus</td>
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<tr>
<td>MATH 165 Calculus I</td>
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<tr>
<td>Lab Science (Select two courses)</td>
<td>8 Hrs</td>
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<tr>
<td>BIOL 111, 150 *, 151, 170, 220, 221</td>
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<td>CHEM 115, 116, 121, 122</td>
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<td>GEOG 100, 106</td>
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<td>PHYS 100, 110, 161, 162, 251, 252</td>
<td></td>
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<tr>
<td>TECH 161</td>
<td></td>
</tr>
</tbody>
</table>

| Technology (Select one course)  | 3 Hrs    |
| CIS 170 Intro to Computer Info Systems | 3      |
| CSCI 127 Intro to Programming in Java     | 3      |
| CSCI 160 Intro to Structured Programming I| 3   |

| Wellness                        | 2 hrs    |
| HPER 100 Concepts Fitness & Wellness |          |

| Aesthetic Engagement            | 6 Hrs    |
| Literacies - 3 crs (Select one course) |          |
| ENGL 220, 225, 241, 242, 261, 262 |          |
| HUM 201 Civil, Thought, & Lit Heritage |          |
| SPAN 201 2nd Yr I; SPAN 202 2nd Yr II |          |
| THEA 110 Intro Theatre; THEA 161 Acting I |          |
| Art & Music - 3 crs (Select one course) |          |
| ART 110 Introduction to Visual Arts |          |
| HUM 202 Fine Arts & Aesthetics    |          |
| MUS 100 Music Appreciation       |          |
| MUS 101 Music Fundamentals       |          |
| MUS 207 History of Rock‘n’Roll   |          |

| Global Awareness & Effective Citizen | 6 Hrs    |
| (Select two courses)                 |          |
| COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro GEGO 151 Human Geog |          |
| HIST 103, 104, 211, 212, 260, 267, 270 |          |
| POLS 115 Amer Gov; POLS 116 State Gov |          |
| PSYC 111 Intro Psyc*                 |          |
| SOC 110 Intro to Soc; SOC 111 Intro Anthro |          |

| Additional General Education      | 2 Hrs    |
| Aesthetic Engagement or Global Awareness or |          |
| ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3) |          |

<table>
<thead>
<tr>
<th>Specified Courses</th>
<th>76 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 109 Exercise Tech. &amp; Program Design</td>
<td>3</td>
</tr>
<tr>
<td>HPER 124 Clinical Experience I</td>
<td>2</td>
</tr>
<tr>
<td>HPER 126 Taping, Bracing, and Protective Equipment</td>
<td>3</td>
</tr>
<tr>
<td>HPER 127 Intro to Athletic Training</td>
<td>2</td>
</tr>
<tr>
<td>AH 171 Medical Terminology</td>
<td>3</td>
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<tr>
<td>HPER 209 Sports Nutrition Concepts</td>
<td>2</td>
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<tr>
<td>HPER 211 PA/CPR/AED for the Professional Rescuer</td>
<td>2</td>
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<tr>
<td>HPER 224 Clinical Experience II</td>
<td>2</td>
</tr>
<tr>
<td>HPER 226 Injury Recog and Eval of LE</td>
<td>3</td>
</tr>
<tr>
<td>HPER 227 Injury Recog and Eval of UE</td>
<td>3</td>
</tr>
<tr>
<td>HPER 258 Appl Anat/Hum Perform</td>
<td>3</td>
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<tr>
<td>HPER 259 Appl Anat/Hum Perform</td>
<td>3</td>
</tr>
<tr>
<td>HPER 324 Clinical Experience III</td>
<td>2</td>
</tr>
<tr>
<td>HPER 326 Therapeutic Modalities</td>
<td>3</td>
</tr>
<tr>
<td>HPER 328 Therapeutic Exercise</td>
<td>3</td>
</tr>
<tr>
<td>HPER 331 Injury Recog and Eval of Head, Neck and Spine</td>
<td>3</td>
</tr>
<tr>
<td>HPER 332 General Medical Conditions</td>
<td>3</td>
</tr>
<tr>
<td>HPER 390 Fitness Assessment &amp; Prescript</td>
<td>2</td>
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<tr>
<td>HPER 424 Clinical Experiences IV</td>
<td>2</td>
</tr>
<tr>
<td>HPER 425 Soc/Psych Aspects of Sport</td>
<td>2</td>
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<tr>
<td>HPER 426 Clinical Experience V</td>
<td>3</td>
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<tr>
<td>HPER 438 Organization and Administration in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>HPER 444 Exercise Physiology of Peak Performances</td>
<td>3</td>
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<tr>
<td>HPER 454 Evidence-Based Practice</td>
<td>2</td>
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<tr>
<td>HPER 487 Athletic Training Field Experience</td>
<td>2</td>
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<tr>
<td>BIOL 220 Human Anatomy &amp; Physiology</td>
<td>4</td>
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<tr>
<td>BIOL 221 Human Anatomy &amp; Physiology</td>
<td>4</td>
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<tr>
<td>MATH 321 Applied Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>HPER 491 Senior Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>It is recommended to take the course during junior year.</td>
<td></td>
</tr>
</tbody>
</table>

Total General Education: 39 Hrs
Total Major Requirement: 76 Hrs
Total Credits Needed to Graduate: 120 Hrs
Biology

MAJOR
The Biology major is designed to give you a broad preparation and experience for a variety of Biology related fields. We also have an emphasis in preparing you for professional schools and graduate work.

LEARNING OUTCOMES
On completion of the Biology Program the students should be able to:
1. Demonstrate a fundamental knowledge of the major concepts in biology.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Analyze the consequences of activities on themselves and their environment.

ABILITIES
Problem Solving
Obtain, organize, and interpret information to provide creative, critical solutions

Collaboration
Ability to work with others

Global Awareness
Recognize relationships

Communication
Ability to convey information and knowledge

Technology
Use, understand, and implement to provide solutions in an information society.

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>39 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication &amp; Collaboration</td>
<td>9 hrs</td>
</tr>
<tr>
<td>ENGL 110 College Composition I</td>
<td></td>
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<tr>
<td>ENGL 120 College Composition II</td>
<td></td>
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<tr>
<td>or ENGL 125 Intro to Professional Wrtg</td>
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<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td></td>
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<tr>
<td>or COMM 212 Interpersonal Comm</td>
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<tr>
<td>or COMM 216 Intercultural Comm</td>
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</table>

<table>
<thead>
<tr>
<th>Problem Solving</th>
<th>12-13 hrs</th>
</tr>
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<tbody>
<tr>
<td>Mathematics - 3 crs (Select one course)</td>
<td></td>
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<tr>
<td>MATH 103 College Algebra</td>
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<tr>
<td>MATH 104 Finite Mathematics</td>
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<tr>
<td>MATH 107 Precalculus</td>
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<tr>
<td>MATH 165 Calculus I</td>
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<tr>
<td>Lab Science - 9-10 crs (Select two courses)</td>
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<tr>
<td>CHEM 116 Intro to Organic &amp; Biochem*</td>
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</tr>
<tr>
<td>CHEM 121 General Chemistry*</td>
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</tr>
<tr>
<td>Technology (Select one course)</td>
<td>3 Hrs</td>
</tr>
<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
<td></td>
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<tr>
<td>CSI 127 Intro Java; CSI 160 Intro Struc</td>
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<table>
<thead>
<tr>
<th>Wellness</th>
<th>2 hrs</th>
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<tbody>
<tr>
<td>HPER 100 Concepts Fitness &amp; Wellness</td>
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</table>

<table>
<thead>
<tr>
<th>Aesthetic Engagement</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literacies - 3 crs (Select one course)</td>
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<tr>
<td>ENGL 220, 225, 241, 242, 261, 262</td>
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</tr>
<tr>
<td>HUM 201 Civil, Thought, &amp; Lit Heritage</td>
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<tr>
<td>SPAN 201 2nd Yr I; SPAN 202 2nd Yr II</td>
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<tr>
<td>THEA 110 Intro Theatre; THEA 161 Acting I</td>
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<tr>
<td>Art &amp; Music - 3 crs (Select one course)</td>
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</tr>
<tr>
<td>ART 110 Introduction to Visual Arts</td>
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<tr>
<td>HUM 202 Fine Arts &amp; Aesthetics</td>
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<tr>
<td>MUS 100 Music Appreciation</td>
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<tr>
<td>MUS 101 Music Fundamentals</td>
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<tr>
<td>MUS 207 History of Rock’n’Roll</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Global Awareness &amp; Effective Citizen</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Select two courses)</td>
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<tr>
<td>COMM 112 Under Media; COMM 114 Human;</td>
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<tr>
<td>ECON 201 Prin Micro; ECON 202 Prin Macro</td>
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<td>GEGOG 151 Human Geog</td>
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<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
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<td>POLS 115 Amer Gov; POLS 116 State Gov</td>
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<tr>
<td>PSYC 111 Intro Psych</td>
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<tr>
<td>SOC 110 Intro to Soc; SOC 111 Intro Anthro</td>
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<table>
<thead>
<tr>
<th>Additional General Education</th>
<th>2 hrs</th>
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<tbody>
<tr>
<td>Select one additional course from the area of Aesthetic Engagement or Global Awareness or</td>
<td></td>
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<tr>
<td>ART 112 (3), ART 231 (3), ART 281 (3), GEGOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)</td>
<td></td>
</tr>
</tbody>
</table>

*Required

For degree and graduation requirements see pages 39-40.

Department Chair
Andre DeLorme, Ph.D.
Rhoades Science Center 203D
(701) 845-7573

Required Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>28 Hours</th>
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<tbody>
<tr>
<td>BIOL 150 General Biology</td>
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<tr>
<td>BIOL 151 General Biology</td>
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<tr>
<td>BIOL 170 General Zoology</td>
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<td>BIOL 311 Botany</td>
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<td>BIOL 315 Genetics</td>
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<td>BIOL 310 Microbiology</td>
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<tr>
<td>or BIOL 441 Cell Biology</td>
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<tr>
<td>BIOL 410 Field Ecology</td>
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<tr>
<td>or BIOL 470 Limnology</td>
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Directed Electives | 12 Hrs |
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<tr>
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<tbody>
<tr>
<td>BIOL 220 Human Anatomy &amp; Physiology I</td>
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<tr>
<td>BIOL 221 Human Anatomy &amp; Physiology II</td>
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<tr>
<td>BIOL 267 Environmental History</td>
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<tr>
<td>BIOL 310 Microbiology</td>
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<tr>
<td>BIOL 312 Botany</td>
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<tr>
<td>BIOL 330 North Dakota Flora</td>
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<tr>
<td>BIOL 343 Ornithology</td>
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<td>BIOL 347 Aquatic Entomology</td>
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<td>BIOL 355 Mammalogy</td>
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<td>BIOL 367 Ichthyology</td>
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<td>BIOL 375 Conservation Biology</td>
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<td>BIOL 380 Human Sexuality</td>
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<tr>
<td>BIOL 395 Lab Prep &amp; Management</td>
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<tr>
<td>BIOL 410 Field Ecology</td>
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<tr>
<td>BIOL 440 Biostatistics and Exp. Design</td>
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<tr>
<td>BIOL 441 Cell Biology</td>
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<td>BIOL 470 Limnology</td>
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<td>BIOL 491 Senior Portfolio</td>
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<tr>
<td>BIOL x94 Ind Study/Ugrd Research</td>
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<tr>
<td>BIOL x95 Special Topics</td>
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Total General Education | 39-40 Hrs |
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<tbody>
<tr>
<td>Total Major Requirement</td>
<td>40 Hrs</td>
</tr>
<tr>
<td>Total Credits Needed to Graduate</td>
<td>120 Hrs</td>
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</tbody>
</table>
Biology Education

MAJOR
The Biology Education major is designed to prepare you for teaching in junior and senior high schools. A Bachelor of Science in Education with a Biology major plus 12 semester hours in each of the other sciences (chemistry, earth science, and/or physics) will qualify you to teach those secondary science courses.

LEARNING OUTCOMES
1. Demonstrate a fundamental knowledge of the major concepts in biology.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Analyze the consequences of activities on themselves and their environment.

ABILITIES

Problem Solving
Obtain, organize, and interpret information to provide creative, critical solutions

Collaboration
Ability to work with others

Global Awareness
Recognize relationships

Communication
Ability to convey information and knowledge

Technology
Use, understand, and implement to provide solutions in an information society.

General Education Requirements 39 Hours
Communication & Collaboration 9 Hours

ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 12-13 Hrs
Mathematics - 3 crs (Select one course)
MATH 107 Precalculus*
Lab Science - 9-10 crs (Select two courses)
CHEM 116 Intro to Organic & Biochem*
CHEM 121 General Chemistry*

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro to Programming in Java
CSCI 160 Intro to Structured Programming I

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human GeoG
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psy
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2),
MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1),
PHYS 275 (1), THEA 201 (1-3)

Required Courses 39-41 Hours
BIOL 150 General Biology
BIOL 151 General Biology
BIOL 170 General Zoology
BIOL 310 MicroBiology
BIOL 311 Botany
BIOL 395 Lab Preparation & Mgmt
BIOL 410 Field Ecology
BIOL 440 Biostatistics and Exp. Design
or MATH 321 Statistics
BIOL 490 Sec Science Methods & Tech
GEOL 100 Intro to Earth Science
PHYS 161 Intro College Physics I
or PHYS 251/L Univ Physics/Lab

Directed Electives 16 Hrs
BIOL 220 Human Anatomy & Physiology I
BIOL 221 Human Anatomy & Physiology II
BIOL 267 Environmental History
BIOL 312 Botany
BIOL 315 Genetics
BIOL 330 North Dakota Flora
BIOL 343 Ornithology
BIOL 347 Aquatic Entomology
BIOL 355 Mammalogy
BIOL 367 Ichthyology
BIOL 380 Human Sexuality
BIOL 395 Lab Preparation & Mgmt
BIOL 441 Cell Biology
BIOL 470 Limnology
BIOL x99 Special Topics
PHYS 275 Planetarium Science

A total of 4 credits from BIOL x99 may be applied as directed electives.
To become a “highly qualified” teacher in other areas of science (Chemistry, Physics or Earth Science) a student must take a minimum of 12 credits in each of the other science areas in which they intend to teach. This conforms to the No Child Left Behind Policy.

Professional Education Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Stdnts 2
EDUC 250 Introduction to Education 3
EDUC 283 Understng Cult Div in Educ 3
EDUC 300 Educational Technology 2
EDUC 351 Sec Practicum & Clsrn Mgmt 1
EDUC 352 Culturally Diverse Practicum 1
or EDUC 464 Pract in ELL Classroom 2
EDUC 375 Tchg Rdg in Content Areas 2
EDUC 400 Educational Psychology 2**
EDUC 450 Trends in Assess & Educ Issues-2EDUC 480 Student Teaching (Sec) 10**
PSYC 250 Developmental Psychology 3

Total General Education 39 Hrs
Total Major Requirement 51-53 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs

** Courses to be taken the same semester.
Students seeking K-12 certification will be placed in an Elementary and Secondary classroom setting.

For degree and graduation requirements see page 39-40.

Department Chair
Andre DeLorme, Ph.D.
Rhoades Science Center 203D
(701) 845-7573
Business Administration - Accounting Concentration
Composite Major

MAJOR
Students who successfully complete the accounting concentration demonstrate a fundamental knowledge of problem solving, communication and collaboration through identifying accounting principles. The accounting concentration prepares students for entry-level positions such as accounting assistants, controllers, financial analysts or managers.

LEARNING OUTCOMES
1. Identify accounting, tax, auditing and ethical issues in structured problems and unstructured fact-based situations. (Problem Solving)
2. Communicate effectively in quantitative and qualitative terms through writing and speaking. (Communication)
3. Collaborate with others in a team environment, including giving and using constructive feedback. (Collaboration)
4. Prepare financial statements in accordance with generally accepted accounting principles (U.S. GAAP). (Problem Solving)
5. Perform basic analysis of financial systems and statements, and write a report on the financial condition and management effectiveness. (Problem Solving)
6. Analyze transaction cycles and accounting processes, evaluate risk, and recommend internal controls for accounting processes. (Problem Solving)
7. Demonstrate the ability to make sound management decisions using financial statement information. (Problem Solving)

ABILITIES
Collaboration
To work together to reach a common goal.

Communication
To convey thoughts, ideas, data, information, and messages effectively.

Global Awareness
To look beyond one’s immediate self and local community.

Problem Solving
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Technology
Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements 39 Hours

Communication & Collaboration 9 Hours
ENGL 110 College Composition 3
ENGL 125 Intro to Professional Wrng 3
COMM 110 Fund of Public Speaking 3
COMM 212 Interpersonal Comm 3
COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics (Select one course) 3 Hrs
MATH 103 Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science (Select two courses) 8 Hrs
Biol 111, 150, 151, 170, 220, 221
Chem 115, 116, 121, 122
Geol 100, 106
Phys 100, 110, 161, 162, 251, 252
Tech 161

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems*

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies (Select one course) 3 Hrs
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
Span 201 2nd Yr I; Span 202 2nd Yr II
Thea 110 Intro Theatre; Thea 161 Acting I

Art & Music (Select one course) 3 Hrs
Art 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
Mus 100 Music Appreciation
Mus 101 Music Fundamentals
Mus 207 History of Rock’n’Roll

Global Aware & Effective Citizen 6 Hrs
ECON 201 Principles of Microeconomics 3
ECON 202 Principles of Macroeconomics 3

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
Art 112 (3), Art 231 (3), Art 281 (3), Geog 111 (2), Mus 104 (1), Mus 105 (1), Mus 131 (1), Mus 141 (1), Phys 275 (1), Thea 201 (1-3)

Required Courses 50 Hours

ACCT 200 Elements of Accounting I 3
ACCT 201 Elements of Accounting II 3
ACCT 315 Business in the Legal Environment 3
ACCT 321 Financial Reporting & Analysis I 3
BOTE 314 Business Reports & Communication 3
BOTE 336 Business Data Solutions 3
BOTE 337 Authoring Digital Publications 3
Busi 249 Business Profession 1
& Emerging Leaders 1
Busi 491 Senior Portfolio 1
ECON 261 Business Statistics 3
FIN 375 Business Finance I 3
MGMT 330 Principles of Management 3
MGMT 350 Operations Management 3
MGMT 370 Business Ethics 3
MGMT 460 International Business 3
MGMT 480 Strategic Planning 3
MGMT 485 Entrepreneurship 3
MRKT 305 Principles of Marketing 3

Accounting 18 Hours

ACCT 305 Cost Accounting 3
ACCT 322 Financial Reporting & Analysis II 3
ACCT 355 Federal Taxation 3
ACCT 450 Principles of Auditing 3
ACCT 460 Fund Accounting 3
FIN 376 Business Finance II 3

Electives/Internship 15 Hours
Students are strongly encouraged to select a Business Internship and/or courses outside the Department of Business.

Total General Education 39 Hours
Total Major Requirement 68 Hours
Total Credits Needed to Graduate 120 Hours

For degree and graduation requirements see pages 39-40.

Department Chair
Brenda Finger, D.M.
McFarland 128
(701) 845-7513
Business Administration - AgriBusiness Management Concentration

Composite Major

MAJOR
Students who successfully complete the agribusiness management concentration will be able to demonstrate business and economic specialization within the agriculture industry. Program completers will successfully and effectively apply agricultural marketing and business management skills to improve agribusiness. Students will be able to effectively communicate, coordinate, and collaborate amongst related industry firms along the agriculture and food supply chain.

LEARNING OUTCOMES
1. Identify seasonal price patterns and utilize pre-harvest marketing plans. (Problem Solving)
2. Know how to use futures and options as a risk management tool. (Problem Solving)
3. Recognize the impact of the global agricultural production to domestic production. (Global Awareness)
4. Understand relationships between economic theory, financial analysis, accounting, and risk analysis and its application to agribusiness management decisions. (Problem Solving)
5. Construct and analyze financial statement to make informed agribusiness decisions both as a producer and/or a leader in the industry. (Technology)
6. Explore environmental laws and policies applicable to agriculture. (Global Awareness)
7. Effectively communicate the role of agriculture on the economy. (Communication)
8. Collaborate and network with leaders in the agribusiness industry. (Collaborate)

ABILITIES
Collaboration
To work together to reach a common goal.

Communication
To convey thoughts, ideas, data, information, and messages effectively.

Global Awareness
To look beyond one's immediate self and local community.

Problem Solving
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Technology
Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Brenda Finger, D.M.
McFarland 128
(701) 845-7513

General Education Requirements

Communication & Collaboration
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Wrtg 3
COMM 110 Fund of Public Speaking 3
COMM 212 Interpersonal Comm 3
COMM 216 Intercultural Comm 3

Technology (Select one course)
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programing in Java 3
CSCI 160 Intro to Structured Programming 3

Wellness
HPER 100 Concepts Fitness & Wellness 2

Aesthetic Engagement
Literacies (Select one course)
ENGL 220, 225, 241, 242, 261, 262 3
HUM 201 Civil, Thought, & Lit Heritage 3
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II 3
THEA 110 Intro Theatre; THEA 161 Acting I 3
Art & Music (Select one course)
ART 100 Intro to Visual Arts 3
HUM 202 Fine Arts & Aesthetics 3
MUS 100 Music Appreciation 3
MUS 101 Music Fundamentals 3
MUS 207 History of Rock’n’Roll 3

Global Aware & Effective Citizen
ECON 201 Principles of Microeconomics 3
ECON 202 Principles of Macroeconomics 3

Additional General Education
Select one additional course from the area of Aesthetic Engagement or Global Awareness or ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

Required Courses

ACCT 200 Elements of Accounting I 3
ACCT 201 Elements of Accounting II 3
ACCT 315 Business in the Legal Environment 3
ACCT 321 Financial Reporting & Analysis I 3
BOTE 314 Business Reports & Communication 3
BOTE 336 Business Data Solutions 3
BOTE 337 Authoring Digital Publications 3
BUSI 249 Business Profession & Emerging Leaders 1
BUSI 491 Senior Portfolio 1
ECON 261 Business Statistics 3
FIN 375 Business Finance I 3
MGMT 330 Principles of Management 3
MGMT 350 Operations Management 3
MGMT 370 Business Ethics 3
MGMT 460 International Business 3
MGMT 480 Strategic Planning 3
MGMT 485 Entrepreneurship 3
MRKT 305 Principles of Marketing 3

AgriBusiness Management

AGEC 474 Cooperatives (NDSU) 3
BIOI 360 Environmental Law & Regulations 3
BUSI 242 Intro to Agriculture Management 3
BUSI 341 Agricultural Economics 3
BUSI 342 Financial Analysis of Agribusiness 3
BUSI 346 Agriculture Commodity Marketing 3

Electives/Internship

Students are strongly encouraged to select a Business Internship and/or courses outside the Department of Business.

Total General Education 39 Hours
Total Major Requirement 68 Hours
Total Credits Needed to Graduate 120 Hours
**Business Administration - Business Process Management Concentration**

**Composite Major**

**MAJOR**

Students who successfully complete the business process management concentration will combine problem-solving, business and technical skills. Students will focus on business processes and advanced enterprise systems to be well-prepared to enter the growing business and IT workforce. The business process management concentration prepares students for business analyst, functional analyst, information systems analyst and process improvement analyst positions. This occupation in particular requires the ability to understand business requirements and apply the knowledge learned to implement and manage information systems in an organization.

**LEARNING OUTCOMES**

1. Demonstrate the ability to work with and/or lead a diverse team toward goal accomplishment. (Collaboration)
2. Communicate effectively in quantitative and qualitative terms through writing and speaking. (Communication)
3. Demonstrate an understanding of the importance of attracting, developing and retaining a high quality workforce. (Global Awareness)
4. Demonstrate an ability to recognize and gather data, analyze information and synthesize for creative endeavors and problem solving. (Problem Solving)
5. Perform analyses by applying the technological skills together with the knowledge to analyze the data for business environment trends. (Technology)

**ABILITIES**

**Collaboration**
To work together to reach a common goal.

**Communication**
To convey thoughts, ideas, data, information, and messages effectively.

**Global Awareness**
To look beyond one’s immediate self and local community.

**Problem Solving**
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

**Technology**
Use technological tools and processes to improve learning, productivity, and/or performance.

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 110 College Composition I</td>
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<tr>
<td>ENGL 125 Intro to Professional Wrtg</td>
<td>3</td>
</tr>
<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 212 Interpersonal Comm</td>
<td>3</td>
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<tr>
<td>or COMM 216 Intercultural Comm</td>
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**Problem Solving**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>Math (Select one course)</td>
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<tr>
<td>MATH 103 College Algebra</td>
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<td>MATH 104 Finite Mathematics</td>
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<tr>
<td>MATH 107 Precalculus</td>
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<td>MATH 165 Calculus I</td>
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<td>Lab Science (Select two courses)</td>
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<td>BIOL 111, 150, 151, 170, 220, 221</td>
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<td>CHEM 115, 116, 121, 122</td>
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<td>GEO 100, 106</td>
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<td>PHYS 100, 110, 161, 162, 251, 252</td>
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<tr>
<td>TECH 161</td>
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**Technology (Select one course)**

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<td>CIS 170 Intro to Computer Info Systems</td>
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**Wellness**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HPER 100 Concepts Fitness &amp; Wellness</td>
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**Aesthetic Engagement**

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<td>Literacies (Select one course)</td>
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<td>HUM 201 Civil, Thought, &amp; Lit Heritage</td>
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<td>SPAN 201 2nd Yr I; SPAN 202 2nd Yr II</td>
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<td>THEA 110 Intro Theatre; THEA 161 Acting I</td>
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<tr>
<td>Art &amp; Music (Select one course)</td>
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<tr>
<td>ART 110 Introduction to Visual Arts</td>
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<tr>
<td>HUM 202 Fine Arts &amp; Aesthetics</td>
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<tr>
<td>MUS 100 Music Appreciation</td>
<td></td>
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<tr>
<td>MUS 101 Music Fundamentals</td>
<td></td>
</tr>
<tr>
<td>MUS 207 History of Rock’n’Roll</td>
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**Global Aware & Effective Citizen**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ECON 201 Principles of Microeconomics</td>
<td>3</td>
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<td>ECON 202 Principles of Macroeconomics</td>
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**Additional General Education**

<table>
<thead>
<tr>
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<tr>
<td>ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 131 (1), MUS 141 (1), THEA 201 (1-3)</td>
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* Required course

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACCT 200 Elements of Accounting I</td>
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<tr>
<td>ACCT 201 Elements of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 315 Business in the Legal Environment</td>
<td>3</td>
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<tr>
<td>ACCT 321 Financial Reporting &amp; Analysis I</td>
<td>3</td>
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<tr>
<td>BOTE 314 Business Reports &amp; Communication</td>
<td>3</td>
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<tr>
<td>BOTE 336 Business Data Solutions</td>
<td>3</td>
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<tr>
<td>BOTE 337 Authoring Digital Publications</td>
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<tr>
<td>BUSI 249 Business Profession &amp; Emerging Leaders</td>
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<tr>
<td>BUSI 491 Senior Portfolio</td>
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<tr>
<td>ECON 261 Business Statistics</td>
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<tr>
<td>FIN 375 Business Finance I</td>
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<tr>
<td>MGMT 330 Principles of Management</td>
<td>3</td>
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<tr>
<td>MGMT 350 Operations Management-</td>
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<tr>
<td>MGMT 370 Business Ethics</td>
<td>3</td>
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<tr>
<td>MGMT 460 International Business</td>
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<tr>
<td>MGMT 480 Strategic Planning</td>
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<tr>
<td>MGMT 485 Entrepreneurship</td>
<td>3</td>
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<tr>
<td>MRKT 305 Principles of Marketing</td>
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**Business Process Management**

<table>
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<tr>
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<tbody>
<tr>
<td>CIS 369 Enterprise Systems</td>
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<tr>
<td>CIS 371 Enterprise Systems II</td>
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<tr>
<td>CIS 380 Systems Analysis and Design</td>
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<tr>
<td>CIS 381 Project Management</td>
<td>3</td>
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<td>CIS 470 CRM &amp; BI</td>
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<td>ENGL 420 Online Comm &amp; Documentation</td>
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**Electives/Internship**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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**Total General Education**

<table>
<thead>
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**Total Major Requirement**

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**Total Credits Needed to Graduate**

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<tr>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Total Credits Needed to Graduate</td>
<td>120</td>
</tr>
</tbody>
</table>

For degree and graduation requirements see pages 39-40.

**Department Chair**
Brenda Finger, D.M.
McFarland 128
(701) 845-7513
Business Administration - Finance Concentration

Composite Major

MAJOR

Students enrolled in the finance concentration develop analytical and critical thinking skills essential for success in today’s financial environments. The concentration prepares students for entry-level positions in the finance department of a company as well as the financial services industry, including banking, insurance, and investments. Employment opportunities include: financial analyst, loan officer, insurance sales, and investment trainee.

LEARNING OUTCOMES

1. Utilize accounting concepts that enable them to interpret financial data and use them to make sound and informed decisions for the financial well-being of their clients and companies. (Problem Solving)
2. Describe financial and investment concepts that enable them to provide clients with advice on investments, insurance, and estate planning. (Communication)
3. Command communication skills that will enable them to succeed as professionals at managerial and executive levels. (Communication)
4. Demonstrate an understanding of the monetary and financial issues that are pervasive in all aspects of financial services. (Global Awareness)
5. Work with colleagues as a team on projects that require team members to take on different responsibilities in order to complete. (Collaboration)
6. Perform financial and quantitative analyses by apply the technological skills together with the financial knowledge that they acquire in the curriculum (Technology)

ABLEITIES

Collaboration
To work together to reach a common goal.

Communication
To convey thoughts, ideas, data, information, and messages effectively.

Global Awareness
To look beyond one’s immediate self and local community.

Problem Solving
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Technology
Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Brenda Finger, D.M.
McFarland 128
(701) 845-7513

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACCT 200 Elements of Accounting I</td>
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<tr>
<td>ACCT 201 Elements of Accounting II</td>
<td>3</td>
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<tr>
<td>ACCT 315 Business in the Legal Environment</td>
<td>3</td>
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<tr>
<td>ACCT 321 Financial Reporting &amp; Analysis I</td>
<td>3</td>
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<tr>
<td>BOTE 314 Business Reports &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 336 Business Data Solutions</td>
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<tr>
<td>BOTE 337 Authoring Digital Publications</td>
<td>3</td>
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<tr>
<td>BUSI 249 Business Profession &amp; Emerging Leaders</td>
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</tr>
<tr>
<td>BUSI 491 Senior Portfolio</td>
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<tr>
<td>ECON 261 Business Statistics</td>
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<tr>
<td>FIN 375 Business Finance I</td>
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<td>MGMT 330 Principles of Management</td>
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<td>MGMT 350 Operations Management</td>
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<td>MGMT 370 Business Ethics</td>
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<td>MGMT 460 International Business</td>
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<tr>
<td>MGMT 480 Strategic Planning</td>
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<td>MGMT 485 Entrepreneurship</td>
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<td>MRKT 305 Principles of Marketing</td>
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Finance

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ACCT 207 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 322 Financial Reporting &amp; Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 355 Federal Taxation</td>
<td>3</td>
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<tr>
<td>FIN 376 Business Finance II</td>
<td>3</td>
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<tr>
<td>FIN 380 Principles of Investments</td>
<td>3</td>
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<tr>
<td>MGMT 430 Organizational Behavior</td>
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Electives/Internship

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BUSI 491 Senior Portfolio</td>
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<tr>
<td>BUSI 491 Senior Portfolio</td>
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</tr>
<tr>
<td>ECON 261 Business Statistics</td>
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<tr>
<td>FIN 375 Business Finance I</td>
<td>3</td>
</tr>
<tr>
<td>FIN 380 Principles of Investments</td>
<td>3</td>
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<tr>
<td>MGMT 430 Organizational Behavior</td>
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Total General Education

<table>
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Total Major Requirement

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<td>68</td>
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</table>

Total Credits Needed to Graduate

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<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>120</td>
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</table>
Business Administration - Human Resources Management Concentration

Composite Major

MAJOR
Students who successfully complete the human resource concentration demonstrate a fundamental knowledge of the evolving workplace and how the work force continues to present employers with challenges - skills shortages, family considerations and diversity issues. Human capital is a strategic force in any organization’s success. To stay competitive in the global competition for talent, organizations rely on human resource managers to develop employees’ skills, increase productivity and build job satisfaction. The human resource concentration prepares students for entry level positions such as staffing recruiter, HR generalist, HR assistant, compensation analyst, or payroll specialist.

LEARNING OUTCOMES
1. Synthesize information regarding the effectiveness of recruiting methods and the validity of selection procedures, and make appropriate staffing decisions. (Problem Solving)
2. Properly interpret salary survey data and design a pay structure with appropriate pay grades and pay ranges. (Problem Solving)
3. Evaluate a company’s implementation of a performance based pay system. (Problem Solving)
4. Demonstrate knowledge of employee benefit concepts, plan design, administrative considerations and regulations governing employee benefit practices. (Collaborative)
5. Align HR systems with the strategic business objectives of a firm. (Global Awareness)
6. Demonstrate an ability to communicate effectively and professionally in a wide variety of work interactions. (Communication)

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements 39 Hours

Communication & Collaboration
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Writing 3
COMM 110 Fund of Public Speaking 3
or COMM 212 Interpersonal Comm 3
or COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics (Select one course) 3 Hours
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science (Select two courses) 8 Hours
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies (Select one course) 3 Hours
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music (Select one course) 3 Hours
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Aware & Effective Citizen 6 Hrs
ECON 201 Principles of Microeconomics 3
ECON 202 Principles of Macroeconomics 3

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness
or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 131 (1), MUS 141 (1), THEA 201 (1-3)

Required Courses 50 Hours

ACCT 200 Elements of Accounting I 3
ACCT 201 Elements of Accounting II 3
ACCT 315 Business in the Legal Environment 3
ACCT 321 Financial Reporting & Analysis I 3
BOTE 314 Business Reports & Communication 3
BOTE 336 Business Data Solutions 3
BOTE 337 Authoring Digital Publications 3
BUSI 249 Business Professional & Emerging Leaders 1
BUSI 491 Senior Portfolio 1
ECON 261 Business Statistics 3
FIN 375 Business Finance I 3
MGMT 330 Principles of Management 3
MGMT 350 Operations Management 3
MGMT 370 Business Ethics 3
MGMT 460 International Business 3
MGMT 480 Strategic Planning 3
MGMT 485 Entrepreneurship 3
MRKT 305 Principles of Marketing 3

Human Resource Management 18 Hrs

COMM 304 Corporate Communication 3
MGMT 335 Diversity in the Workplace 3
MGMT 340 Human Resource Mgmt 3
MGMT 426 Comp & Benefits Admin 3
MGMT 427 Recruiting and Selections 3
MGMT 430 Organizational Behavior 3

Electives/Internship 12 Hrs
Students are strongly encouraged to select a Business Internship and/or courses outside the Department of Business.

Total General Education 39 Hours
Total Major Requirement 68 Hours
Total Credits Needed to Graduate 120 Hours

For degree and graduation requirements see pages 39-40.

Department Chair
Brenda Finger, D.M.
McFarland 128
(701) 845-7513
Business Administration - Management Concentration
Composite Major

MAJOR
Students who successfully complete the management concentration demonstrate a fundamental knowledge of a range of management concepts and approaches. They are also able to successfully apply tools and techniques for management decision-making and can conduct research using a variety of resources, including online databases. The management concentration prepares students for entry-level positions such as assistant manager or manager in training in various industries and organizational settings.

LEARNING OUTCOMES
1. Demonstrate an understanding of the role planning, organizing, leading and controlling plays in organizational success. (Communication)
2. Synthesize and/or implement a plan to address results of the SWOT analysis. (Problem Solving)
3. Demonstrate the ability to work with and/or lead a diverse team toward goal accomplishment. (Collaboration)
4. Demonstrate an understanding of the importance of attracting, developing and retaining a high quality workforce. (Global Awareness)
5. Conduct research using online databases to evaluate companies' strategic decision making. (Technology)

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Brenda Finger, D.M.
McFarland 128
(701) 845-7513
**Business Administration - Marketing Concentration**

**Composite Major**

**MAJOR**

Students who successfully complete the marketing concentration develop communication, interpersonal, leadership and teamwork skills. They understand the role and importance of marketing in organizations, demonstrate critical thinking, decision making, strategic planning and communication skills, and are able to use technological resources-including online databases-to conduct research. The marketing concentration prepares students for entry level positions such as marketing specialist or coordinator, advertising assistant or salesperson or customer service representative.

**LEARNING OUTCOMES**

1. Describe the role of marketing in organizations and organizational growth. (Communication)
2. Analyze an organization’s strengths, weaknesses, opportunities, and threats from a marketing perspective. (Problem Solving)
3. Design appropriate and effective marketing strategies. (Global Awareness)
4. Describe all aspects of generally accepted marketing principles. (Communication)
5. Use marketing information to make informed decisions about marketing planning. (Problem Solving)
6. Use online databases to conduct research on business environment trends. (Technology)
7. Employ marketing research processes. (Collaboration)

**ABILITIES**

**Collaboration** To work together to reach a common goal.

**Communication** To convey thoughts, ideas, data, information, and messages effectively.

**Global Awareness** To look beyond one’s immediate self and local community.

**Problem Solving** To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

**Technology** Use technological tools and processes to improve learning, productivity, and/or performance.

**General Education Requirements** 39 Hours

<table>
<thead>
<tr>
<th>Communication &amp; Collaboration</th>
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<tbody>
<tr>
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<td>COMM 110 Fund of Public Speaking</td>
<td>3</td>
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<tr>
<td>or COMM 212 Interpersonal Comm</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 216 Intercultural Comm</td>
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</tbody>
</table>

**Problem Solving** 11 Hrs

Mathematics (Select one course) 3 Hours

MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I

Lab Science (Select two courses) 8 Hours

BIOI 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106

PHYS 100, 110, 161, 162, 251, 252
TECH 161

**Technology (Select one course)**  3 Hrs

CIS 170 Intro to Computer Info Systems*

**Wellness**  2 Hrs

HPER 100 Concepts Fitness & Wellness

**Aesthetic Engagement** 6 Hrs

Literacies (Select one course) 3 Hours

ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music (Select one course) 3 Hours

ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

**Global Aware & Effective Citizen** 6 Hrs

ECON 201 Principles of Microeconomics * 3
ECON 202 Principles of Macroeconomics * 3

**Additional General Education** 2 Hrs

Select one additional course from the area of Aesthetic Engagement or Global Awareness or

ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

* Required course

For degree and graduation requirements see pages 39-40.

**Department Chair**

Brenda Finger, D.M.
Mcfarland 128
(701) 845-7513

Valley City State University • 2014–16 Catalog – 71
Business Education

MAJOR
Students who successfully complete the Business Education program demonstrate the fundamental knowledge of North Dakota Educational Standards and Practice Boards range of Business and Office Technology and Marketing Education standards, concepts, and educational approaches. Program completers will be able to successfully apply the tools and techniques to master the basic skills of teaching and demonstrate professional character necessary for teaching. The Business Education program prepares students to be initially licensed in variety of Business Education courses geared towards grades 7-12 with an option of an additional endorsement in Marketing Education. Graduates are also prepared for careers in the business field as business professionals.

LEARNING OUTCOMES
1. Demonstrate the ability to communicate written lesson plan objectives. (Communication)
2. Implement a unit organizer that addresses daily lesson plans. (Problem Solving)
3. Demonstrate the ability to work with and/or lead a team. (Collaboration)
4. Demonstrate an understanding of the importance of developing a diverse learning environment within a classroom setting. (Global Awareness)
5. Demonstrate the competency to evaluate the proper technology to enhance educational lessons. (Technology)
6. Plan, implement, evaluate, and reflect on lessons that demonstrate an understanding on experiences, materials, and technologies to promote growth and development of students. (TLC)

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

General Education Requirements 39 Hours
Communication & Collaboration 9 Hours
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Wrtg * 3
COMM 110 Fund of Public Speaking 3
or COMM 212 Interpersonal Comm 3
or COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics (Select one course) 3 Hrs
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science (Select two courses) 8 Hrs
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems * 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Programming I 3

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies (Select one course) 3 Hrs
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music (Select one course) 3 Hrs
ART 102 Keyboarding I
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Aware & Effective Citizen 6 Hrs
ECON 201 Principles of Microeconomics* 3
- or - ECON 202 Principles of Macroeconomics* 3
PSYC 111 Intro Psychology * 3

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness
- or - ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)
* Required course

Required Courses 41 Hours
ACCT 200 Elements of Accounting I 3
ACCT 201 Elements of Accounting II 3
ACCT 315 Business in the Legal Environ 3
BOTE 102 Keyboarding I 3
BOTE 309 Business Technology 3
BOTE 314 Business Reports & Comm 3
BOTE 336 Business Data Solutions 3
BOTE 337 Authoring Digital Publications 3
BOTE 490 Methods & Materials
Teaching Business Subjects 3
BUSI 249 Business Profession & Emerging Leaders 1
BUSI 491 Senior Portfolio 1
MGMT 330 Principles of Management 3
MGMT 485 Entrepreneurship 3
MRKT 305 Principles of Marketing 3
MRKT 319 Web Site Authoring 3
Required for Career & Technical Education Certification by the ND Dept of Career & Technical Education: BOTE 490, CTE 431, 432, 434

Professional Education Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Students 2
EDUC 250 Introduction to Education 3
EDUC 283 Understand Cult Div in Education 3
EDUC 300 Educational Technology 2
EDUC 351 Sec Practicum & Classroom Management 1
EDUC 352 Culturally Diverse Practicum - or - 1
EDUC 464 Practicum in the ELL Classroom 2
EDUC 375 Tchg Rdg in the Content Areas 2
EDUC 400 Educational Psychology 2**
EDUC 450 Trends in Assess & Educ Issues 2
EDUC 480 Student Teaching (Secondary) 10**
PSYC 250 Developmental Psychology 3
** Courses to be taken in the same semester.

Total General Education 39 Hrs
Total Major Requirement 39 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs

Department Chair
Brenda Finger, D.M.
McFarland 128
(701) 845-7513
### Business Education

#### Composite Major

**MAJOR**

Students who successfully complete the Business Education program demonstrate the fundamental knowledge of North Dakota Educational Standards and Practice Boards range of Business and Office Technology and Marketing Education standards, concepts, and educational approaches. Program completers will be able to successfully apply the tools and techniques to master the basic skills of teaching and demonstrate professional character necessary for teaching. The Business Education program prepares students to be initially licensed in variety of Business Education courses geared towards grades 7-12 with an option of an additional endorsement in Marketing Education. Graduates are also prepared for careers in the business field as business professionals.

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6. Plan, implement, evaluate, and reflect on lessons that demonstrate an understanding on experiences, materials, and technologies to promote growth and development of students. (TLC)

**ABILITIES**

- **Collaboration** To work together to reach a common goal.
- **Communication** To convey thoughts, ideas, data, information, and messages effectively.
- **Global Awareness** To look beyond one’s immediate self and local community.
- **Problem Solving** To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

For degree and graduation requirements see pages 39-40.

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### Business Education Required Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>General Education Requirements</td>
<td>39 Hrs</td>
</tr>
<tr>
<td>Communication &amp; Collaboration</td>
<td>9 Hrs</td>
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<tr>
<td>ENGL 110 College Composition I</td>
<td>3 Hrs</td>
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<tr>
<td>ENGL 125 Intro to Professional Writing</td>
<td>3 Hrs</td>
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<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td>3 Hrs</td>
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<tr>
<td>-or- COMM 212 Interpersonal Comm</td>
<td>3 Hrs</td>
</tr>
<tr>
<td>-or- COMM 216 Intercultural Comm</td>
<td>3 Hrs</td>
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<tr>
<td>Problem Solving</td>
<td>11 Hrs</td>
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<tr>
<td>Mathematics (Select one course)</td>
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<td>MATH 104 Finite Mathematics</td>
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<td>MATH 107 Precalculus</td>
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<td>MATH 165 Calculus I</td>
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<td>Lab Science (Select two courses)</td>
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<tr>
<td>BIOL 111, 150, 151, 170, 220, 221</td>
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<td>CHEM 115, 116, 121, 122</td>
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<td>GEOG 100, 106</td>
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<td>TECH 161</td>
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<tr>
<td>Technology (Select one course)</td>
<td>3 Hrs</td>
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<tr>
<td>CIS 170 Intro to Computer Info Systems*</td>
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<tr>
<td>Wellness</td>
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<tr>
<td>HPER 100 Concepts Fitness &amp; Wellness</td>
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<tr>
<td>Aesthetic Engagement</td>
<td>6 Hrs</td>
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<tr>
<td>Literacies (Select one course)</td>
<td>3 Hrs</td>
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<td>ENGL 220, 225, 241, 242, 261, 262</td>
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<td>HUM 201 Civil, Thought, &amp; Lit Heritage</td>
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<td>SPAN 201 2nd Yr I; SPAN 202 2nd Yr II</td>
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<tr>
<td>THEA 110 Intro Theatre; THEA 161 Acting I</td>
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<tr>
<td>Art &amp; Music (Select one course)</td>
<td>3 Hrs</td>
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<td>ART 110 Introduction to Visual Arts</td>
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<tr>
<td>ECON 201 Principles of Microeconomics*</td>
<td>3 Hrs</td>
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<tr>
<td>-or- ECON 202 Principles of Macroeconomics*</td>
<td>3 Hrs</td>
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<tr>
<td>PSYC 111 Intro Psychology *</td>
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<td>ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1)</td>
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<td>MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)</td>
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<td>* Required course</td>
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**Directed Electives**

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<th>Course Title</th>
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<tr>
<td>Directed Electives</td>
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<tr>
<td>ACCT 200 Elements of Accounting I</td>
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<td>ACCT 315 Business in the Legal Env</td>
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<td>BOTE 102 Keyboarding I</td>
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<td>BOTE 314 Business Reports &amp; Comm</td>
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<td>BOTE 337 Authoring Digital Publications</td>
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<td>BOTE 490 Methods &amp; Materials</td>
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<tr>
<td>Teaching Business Subjects</td>
<td>3 Hrs</td>
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<tr>
<td>BUSI 249 Business Profession &amp; Emerging Leaders</td>
<td>1 Hrs</td>
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<tr>
<td>BUSI 491 Senior Portfolio</td>
<td>1 Hrs</td>
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<td>MGMT 330 Principles of Management</td>
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**Professional Education Sequence**

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<tr>
<td>EDU2 240 Educating Exceptional Students</td>
<td>2 Hrs</td>
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<tr>
<td>EDU2 250 Introduction To Education</td>
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<tr>
<td>EDU2 283 Understand Cult Div in Education</td>
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<td>EDU2 300 Educational Technology</td>
<td>2 Hrs</td>
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<td>EDU2 351 Sec Practicum &amp; Classroom Mgmt</td>
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<td>EDU2 400 Educational Psychology</td>
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<td>EDU2 450 Trends in Assess &amp; Educ Issues</td>
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<td>EDU2 480 Student Teaching (Secondary)</td>
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<td>PSYC 250 Developmental Psychology</td>
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<td>** Courses to be taken the same semester.</td>
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**Total General Education**

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<th>Course Title</th>
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<td>Total General Education</td>
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<td>Total Professional Ed Sequence</td>
<td>31-32 Hrs</td>
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<td>Total Credits Needed to Graduate</td>
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**Department Chair**

Brenda Finger, D.M.
McFarland 128
(701) 845-7513
# Business Process Integration Management Composite Major

**MAJOR**

Students who successfully complete the BPIM major demonstrate communication, problem-solving, business, collaboration and technical skills. Students will focus on business processes and advanced enterprise systems to be well-prepared to enter the growing business and IT workforce. The BPIM prepares students for business analyst, functional analyst, information systems analyst and process improvement analyst positions. This occupation in particular requires the ability to understand business requirements and apply the knowledge learned to implement and manage information systems in an organization.

**LEARNING OUTCOMES**

1. Demonstrate the ability to work with and/or lead a diverse team toward goal accomplishment. (Collaboration)
2. Communicate effectively in quantitative and qualitative terms through writing and speaking. (Communication)
3. Demonstrate an understanding of the importance of attracting, developing and retaining a high quality workforce. (Global Awareness)
4. Demonstrate an ability to recognize and gather data, analyze information and synthesize for creative endeavors and problem solving. (Problem Solving)
5. Perform analyses by applying the technological skills together with the knowledge to analyze the data for business environment trends. (Technology)

**ABILITIES**

- **Collaboration** To work together to reach a common goal.
- **Communication** To convey thoughts, ideas, data, information, and messages effectively.
- **Global Awareness** To look beyond one's immediate self and local community.
- **Problem Solving** To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
- **Technology** Use technological tools and processes to improve learning, productivity, and/or performance.

## General Education Requirements

**Communication & Collaboration**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENGL 110 College Composition III</td>
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<tr>
<td>ENGL 125 Intro to Professional Writing III</td>
<td>3</td>
</tr>
<tr>
<td>COMM 110 Fund of Public Speaking I</td>
<td>3</td>
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<tr>
<td>or COMM 212 Interpersonal Communication II</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 216 Intercultural Communication II</td>
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**Problem Solving**

<table>
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<tr>
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<tr>
<td>MATH 103 College Algebra</td>
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<td>MATH 107 Precalculus</td>
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<td>Lab Science (Select two courses)</td>
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<td>TECH 161</td>
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**Technology (Select one course)**

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<th>Course</th>
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<tr>
<td>CIS 127 Intro to Programming in Java</td>
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<tr>
<td>CSCI 160 Intro to Structured Programming I</td>
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**Wellness**

<table>
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<th>Course</th>
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<td>HPER 100 Concepts Fitness &amp; Wellness</td>
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**Aesthetic Engagement**

<table>
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<th>Course</th>
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<td>Literacies (Select one course)</td>
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<tr>
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**Global Aware & Effective Citizen**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ECON 201 Principles of Microeconomics*</td>
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<td>ECON 202 Principles of Macroeconomics*</td>
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**Additional General Education**

<table>
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<th>Course</th>
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<tr>
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</tr>
<tr>
<td>or ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)</td>
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</tbody>
</table>

* Required course

For degree and graduation requirements see pages 39-40.

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**Department Chair**

Brenda Finger, D.M.

McFarland 128

(701) 845-7513

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<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ACCT 200 Elements of Accounting I</td>
<td>3</td>
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<tr>
<td>ACCT 201 Elements of Accounting II</td>
<td>3</td>
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<tr>
<td>BOTE 336 Business Data Solutions</td>
<td>3</td>
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<tr>
<td>BUSI 249 Business Profession</td>
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<td>BUSI 491 Senior Portfolio</td>
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<tr>
<td>ECON 261 Business Statistics</td>
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<td>FIN 375 Business Finance I</td>
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<td>CIS 369 Enterprise Systems</td>
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<td>CIS 371 Enterprise Systems II</td>
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<td>CIS 380 Systems Analysis and Design</td>
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<td>CIS 470 CRM and BI</td>
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<td>CIS 329 Information Systems Management</td>
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<td>CIS 369 Enterprise Systems</td>
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<td>CIS 483 Organizational Communication</td>
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<td>ENGL 420 Online Communication &amp; Doc</td>
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**Directed Electives**

<table>
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<tr>
<td>ACCT 207 Managerial Accounting</td>
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<td>BUSI 497 Internship</td>
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<td>CIS 329 Information Systems Management</td>
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<td>CIS 475 Integration of Business Processes in SAP ERP</td>
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<td>COMM 304 Corporate Communication</td>
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<td>MGMT 340 Human Resource Management</td>
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<td>MGMT 370 Business Ethics</td>
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<td>MGMT 372 Foundations of Leadership</td>
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<td>MGMT 381 Project Management</td>
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<td>MGMT 430 Organizational Behavior</td>
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<td>MGMT 460 International Business</td>
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<td>MGMT 480 Strategic Planning</td>
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<td>MRKT 415 Market Research &amp; Information</td>
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**Total General Education**

<table>
<thead>
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<tr>
<td>ENGL 110 College Composition III</td>
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<tr>
<td>ENGL 125 Intro to Professional Writing III</td>
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<tr>
<td>COMM 110 Fund of Public Speaking I</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 212 Interpersonal Comm</td>
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<tr>
<td>or COMM 216 Intercultural Comm</td>
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**Required Courses**

**Business Core**

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<tr>
<td>ACCT 200 Elements of Accounting I</td>
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<td>ACCT 201 Elements of Accounting II</td>
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<td>BOTE 336 Business Data Solutions</td>
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<td>BUSI 249 Business Profession</td>
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<td>BUSI 491 Senior Portfolio</td>
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<td>ECON 261 Business Statistics</td>
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<td>FIN 375 Business Finance I</td>
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<td>CIS 369 Enterprise Systems</td>
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<td>CIS 371 Enterprise Systems II</td>
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<tr>
<td>CIS 380 Systems Analysis and Design</td>
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<tr>
<td>CIS 470 CRM and BI</td>
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<tr>
<td>CIS 329 Information Systems Management</td>
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<tr>
<td>CIS 369 Enterprise Systems</td>
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<td>CIS 371 Enterprise Systems II</td>
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<td>CIS 380 Systems Analysis and Design</td>
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<tr>
<td>CIS 470 CRM and BI</td>
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</tr>
<tr>
<td>COMM 315 Digital Communication</td>
<td>3</td>
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<td>COMM 360 Group Dynamics</td>
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<td>ENGL 420 Online Communication &amp; Doc</td>
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**Total General Education**

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<tr>
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<td>or COMM 216 Intercultural Comm</td>
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**Total Major Requirement**

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<td>CIS 470 CRM and BI</td>
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<tr>
<td>COMM 315 Digital Communication</td>
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<tr>
<td>COMM 360 Group Dynamics</td>
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<td>COMM 483 Organizational Communication</td>
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**Total Credits Needed to Graduate**

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74 – Valley City State University • 2014–16 Catalog
Career and Technical Education B.S. in Education
Composite Major

MAJOR
This degree prepares you for teaching positions in public school Career and Technical Education (CTE) programs, post-secondary programs, and private technical colleges. Graduates with the CTE Composite Major are prepared to teach in Trade, Industry, Technical, and Health service areas such as automotive technology, construction technology, electronics, health careers, and welding. The degree requirement may also include full certification by the ND Department of Career and Technical Education for Trade, Industry, Technical, and Health Education teachers. Non-teaching program graduates may also seek entrepreneurial careers in the private sector.

LEARNING OUTCOMES
1. Students with a B.S. Degree Teaching Option will be qualified to teach at the post-secondary in their technical specialty. Students graduating with a BS in Ed will be qualified to teach at the secondary level in their technical specialty. (Collaboration/Communication/Technology)
2. Students graduating with a B.S. Degree Management/Leadership Option will have the knowledge to become a manager/leader in their organization or to start their own business. (Problem Solving)
3. Students graduating with a degree in CTE will understand the importance of CTE in economic development, secondary and post-secondary education, and in the sustaining of our labor force. (Global Awareness)

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Peder Gjovik, Ph.D.
McCarthy Hall 155
(701) 845-7448

General Education Requirements 39 Hours
Communication & Collaboration 9 Hours
ENGL 110 College Composition I 3
ENGL 120 College Composition II 3
-or- ENGL 125 Intro to Professional Wrtg 3
COMM 110 Fund of Public Speaking 3
-or- COMM 212 Interpersonal Comm 3
-or- COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathmatics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems
CSCI 12 Intro Java; CSCI 160 Intro Struc

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 122 Under Media; COMM 114 Human
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psych
SOCI 110 Intro to Soc; SOCI 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness
or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-5)

Required Courses 18 Hours
CTE 431 Hist, Phil, & Pract of Career & Tech Ed 3
CTE 432 Coord Cooperative Educ Lrng 3
CTE 434 Leadership in CTE Student Org 3
CTE 437 Stu Perfmr Eval in Career & Tech Ed 3
CTE 438 Dev & Mng Compt Bsd Instr Mtls 3
CTE 490 Meth for Tchg Car & Tech Ed Subj 3

Technical Specialty 36-50 Hrs
Students who have successfully completed a ND Department of Career and Technical Education approved post-secondary program in their area of technical specialty from area Career and Technical (CTE) institutions, or possess an associate of applied science degree or its equivalent, are eligible for technical specialty credits. Students who meet work experience requirements, but have not completed an approved Trade, Technical, and Health Education program, may apply for Technical Specialty Life Experience credits through the Prior Learning Assessment Program.

Electives 0-5 Hrs
Students with the consent of their advisor should choose appropriate electives to complete 120 semester credits required for the degree. Students are strongly encouraged to enroll in BUSI 491 Senior Portfolio.

Professional Education Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Students 2
EDUC 250 Introduction to Education 3
EDUC 283 Understand Cult Div in Education 3
EDUC 300 Educational Technology 2
EDUC 351 Sec Practicum & Classroom Mgmt 1
EDUC 352 Culturally Diverse Practicum - or - 1
EDUC 464 Practicum in the ELL Classroom 2
EDUC 375 Tchg Rqtd in the Content Areas 2
EDUC 450 Trends in Assess & Educ Issues 2
EDUC 492 Clinical Practice 10**
PSYC 250 Developmental Psychology 3
PSYC 430 Educational Psychology 2**
** Courses to be taken the same semester

Total General Education 39 Hrs
Total Major Requirement 54-79 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs
Career and Technical Education

Composite Major

MAJOR
This degree prepares you for teaching positions in public school Career and Technical Education (CTE) programs, post-secondary programs, and private technical colleges. Graduates with the CTE Composite Major are prepared to teach in Trade, Industry, Technical, and Health service areas such as automotive technology, construction technology, electronics, health careers, and welding. The degree requirement may also include full certification by the ND Department of Career and Technical Education for Trade, Industry, Technical, and Health Education teachers. Non-teaching program graduates may also seek entrepreneurial careers in the private sector.

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3. Students graduating with a degree in CTE will understand the importance of CTE in economic development, secondary and post-secondary education, and in the sustaining of our labor force. (Global Awareness)

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Peder Gjovik, Ph.D.
McCarthy Hall 155
(701) 845-7448

General Education Requirements 39 Hours

Communication & Collaboration 9 Hours
ENGL 110 College Composition I 3
ENGL 120 College Composition II 3
-or- ENGL 125 Intro to Professional Wrtg 3
COMM 110 Fund of Public Speaking 3
-or- COMM 212 Interpersonal Comm 3
-or- COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Programming I 3

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 101 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human ECON 201 Prin Micro; ECON 202 Prin Macroe GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psych
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

Required Technical Specialty 36-50 Hours
Students who have successfully completed a ND Department of Career and Technical Education approved post-secondary program in their area of technical specialty from area Career and Technical (CTE) institutions, or possess an associate of applied science degree or its equivalent, are eligible for technical specialty credits. Students who meet work experience requirements, but have not completed an approved Trade, Technical, and Health Education program, may apply for Technical Specialty Life Experience credits through the Prior Learning Assessment Program. Students are strongly encouraged to enroll in CIS 491 Senior Portfolio in their last year of coursework.

Option 1 Teaching Option 30 Hrs
CTE 431 Hist, Phil, & Pract of CTE 3
CTE 432 Coord Cooperative Ed Lrng 3
CTE 434 Leadership CTE Student Org 3
CTE 437 Student Perform Eval in CTE 3
CTE 438 Dev & Mng Comp Base Intr Mtl 3
CTE 490 Meth For Tchg CTE Sub 3
EDUC 492 Clinical Practice 6
EDUC 492 Clinical Practice 6

Students seeking Trade, Industry, Technical and Health (TITH) certification/credentialing from the ND Department of Career & Technical Education must successfully complete EDUC 250 Introduction to Teaching (Secondary) and EDUC 492 Clinical Practice for the certification requirement.

Option 2 Management/Leadership Option 36 Hrs
ACCT 200 Elements of Accounting I 3
ACCT 201 Elements of Accounting II 3
MGMT 330 Principles of Management 3
MGMT 370 Business Ethics 3
MGMT 381 Project Management 3
MGMT 430 Organizational Behavior 3
Choose 18 credits from the following courses:
ACCT 315 Business in the Legal Envron 3
COMM 304 Corporate Communication 3
COMM 311 Communication & Interviewing 3
COMM 312 Gender Communication 3
COMM 314 Public Relations 3
COMM 360 Group Dynamics 3
FIN 380 Principles of Investments 3
MRKT 305 Principles of Marketing 3
MRKT 370 Advertising and Promotions 3
MRKT 415 Market Research & Info 3
MGMT 425 Human Resource Mgmt 3
MGMT 426 Comp & Benefits Admin 3

Total General Education 39 Hrs
Total Major Requirement 49 80 Hrs
Total Credits Needed to Graduate 120 Hrs
Chemistry

MAJOR
The Chemistry major is designed to give you a broad preparation and experience for a variety of Chemistry related fields. We also have an emphasis in preparing you for professional schools and graduate work.

LEARNING OUTCOMES
1. Demonstrate a fundamental knowledge of the major concepts in chemistry.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Understand the importance of chemistry to themselves and society.

ABILITIES
Problem Solving Obtain, organize, and interpret information to provide creative, critical solutions
Collaboration Ability to work with others
Global Awareness Recognize relationships
Communication Ability to convey information and knowledge
Technology Use, understand, and implement to provide solutions in an information society.

General Education Requirements 39 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 11-13 Hrs
Mathematics - 3 crs (Select one course)
MATH 165 Calculus I* 4
Lab Science - 8-10 crs (Select two courses)
PHYS 161 Intro College Physics I* &
PHYS 162 Intro College Physics II *
-OR- PHYS 251/L University Physics I/Lab * & 4/1
PHYS 252/L University Physics II/Lab * 4/1

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Struc

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
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MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psyc
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness
or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

For degree and graduation requirements see pages 39-40.

Department Chair
Andre DeLorme, Ph.D.
Rhoades Science Center 203D
(701) 845-7573

Required Courses 32 Hours
CHEM 121 General Chemistry 5
CHEM 122 General Chemistry 5
CHEM 330 Quantitative Analysis 4
CHEM 341 Organic Chemistry 5
CHEM 342 Organic Chemistry 5
CHEM 411 Physical Chemistry 3
CHEM 421 Physical Chemistry Lab 1
CHEM 425 Inorganic Chemistry 4

Directed Electives 8 Hrs
CHEM 331 Quantitative Analysis 4
CHEM 360 Elements of Biochemistry 4
CHEM 395 Laboratory Preparation & Mgmt 1
CHEM 412 Physical Chemistry 3
CHEM 422 Physical Chemistry Lab 1
CHEM 494 Undergraduate Research 1-4
CHEM x94 Independent Study 1-4
BA Language/Cultural Studies -or-
BS Related Field 16 hrs

Total General Education 39 Hrs
Total Major Requirement 40 Hrs
Total Credits Needed to Graduate 120 Hrs
Chemistry Education

**MAJOR**
The Chemistry Education major is designed to prepare you for teaching in junior and senior high schools. A Bachelor of Science in Education with a Chemistry major plus 12 semester hours in each of the other sciences (Biology, earth and physics) will qualify you to teach those secondary science courses under the No Child Left Behind (NCLB) requirements. Other opportunities not part of any regular program exist on campus and provide sound practical experience, such as student assistants and participation in the campus tutoring program.

**LEARNING OUTCOMES**
1. Demonstrate a fundamental knowledge of the major concepts in chemistry.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Understand the importance of chemistry to themselves and society.

**ABILITIES**
- **Problem Solving** Obtain, organize, and interpret information to provide creative, critical solutions.
- **Collaboration** Ability to work with others.
- **Global Awareness** Recognize relationships.
- **Communication** Ability to convey information and knowledge.
- **Technology** Use, understand, and implement to provide solutions in an information society.

**Required Courses**

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<td>General Biology</td>
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<td>CHEM 121</td>
<td>General Chemistry</td>
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<td>CHEM 122</td>
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<td>CHEM 330</td>
<td>Quantitative Analysis</td>
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<td>CHEM 341</td>
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<td>CHEM 395</td>
<td>Laboratory Preparation &amp; Mgmt</td>
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<td>CHEM 411</td>
<td>Physical Chemistry</td>
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<tr>
<td>CHEM 421</td>
<td>Physical Chemistry Lab</td>
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<td>CHEM 440</td>
<td>Biostatistics and Exp. Design</td>
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<td>ENGL 110</td>
<td>College Composition</td>
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<td>MA 200</td>
<td>History of Rock ‘n Roll</td>
<td>3</td>
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<td>PSYC 250</td>
<td>Developmental Psychology</td>
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<tr>
<td>EDUC 464</td>
<td>Practicum in the ELL Classroom</td>
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<td>EDUC 475</td>
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<td>Trends in Assess &amp; Educ Issues</td>
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<td>EDUC 480</td>
<td>Student Teaching (Secondary)</td>
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<tr>
<td>PSYC 250</td>
<td>Developmental Psychology</td>
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</table>

**Directed Electives**
- CHEM 331 Quantitative Analysis
- CHEM 412 Physical Chemistry
- CHEM 422 Physical Chemistry Lab
- CHEM 425 Inorganic Chemistry
- CHEM 104 Ind Study/Undergrad Research

To become a “highly qualified” teacher in other areas of science (Biology, Physics or Earth Science), a student must take a minimum of 12 hours in each of the other science areas in which they intend to teach.

**Professional Education Sequence**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
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<td>Educating Exceptional Students</td>
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<td>EDUC 250</td>
<td>Introduction to Education</td>
<td>3</td>
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<td>EDUC 283</td>
<td>Understanding Cult</td>
<td>3</td>
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<td>DIV in Education</td>
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<td>EDUC 300</td>
<td>Educational Technology</td>
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<td>EDUC 351</td>
<td>Sec Practicum &amp; Classroom Mgmt</td>
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<tr>
<td>EDUC 352</td>
<td>Culturally Diverse Practicum</td>
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<tr>
<td>-OR-EDUC 464 Practicum in the ELL Classroom</td>
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<td>EDUC 375</td>
<td>Tchg Rsch in the Content Areas</td>
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<tr>
<td>EDUC 450</td>
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<td>Developmental Psychology</td>
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**Total Credits Needed to Graduate**

**General Education Requirements** 39 Hours

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<td>ENGL 110</td>
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<td>ENGL 120</td>
<td>College Composition II</td>
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<tr>
<td>or-ENGL 125</td>
<td>Intro to Professional Wrtg</td>
<td>3</td>
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<tr>
<td>COMM 110</td>
<td>Fund of Public Speaking</td>
<td>3</td>
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<tr>
<td>or-COMM 212</td>
<td>Interpersonal Comm</td>
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<tr>
<td>or-COMM 216</td>
<td>Intercultural Comm</td>
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**Problem Solving** 11-13 Hrs

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<tr>
<td>MATH 165</td>
<td>Calculus I*</td>
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<tr>
<td>PHYS 161</td>
<td>Intro College Physics I* &amp;</td>
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<tr>
<td>PHYS 162</td>
<td>Intro College Physics II *</td>
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<td>-OR-PHYS 251/L</td>
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<td>PHYS 252/L</td>
<td>University Physics II/Lab *</td>
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**Technology** (Select one course) 3 Hrs

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<tr>
<td>CIS 170</td>
<td>Intro to Computer Info Systems</td>
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<tr>
<td>CSCI 127</td>
<td>Intro to Programming in Java</td>
<td>3</td>
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<tr>
<td>CSCI 160</td>
<td>Intro to Structured Programming I</td>
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**Wellness** 2 Hrs

<table>
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<tr>
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<td>HPER 100</td>
<td>Concepts Fitness &amp; Wellness</td>
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**Aesthetic Engagement** 6 Hrs

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<td>HUM 201</td>
<td>Civil Thought, &amp; Lit Heritage</td>
<td>2</td>
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<tr>
<td>SPAN 201</td>
<td>2nd Yr I</td>
<td>2</td>
</tr>
<tr>
<td>THEA 110</td>
<td>Intro Theatre; THEA 161 Acting I</td>
<td>2</td>
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<tr>
<td>ART &amp; Music</td>
<td>(Select one course)</td>
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<tr>
<td>ART 110</td>
<td>Introduction to Visual Arts</td>
<td>2</td>
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<tr>
<td>HUM 202</td>
<td>Fine Arts &amp; Aesthetics</td>
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<tr>
<td>MUS 100</td>
<td>Music Appreciation</td>
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<td>Music Fundamentals</td>
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<td>MUS 207</td>
<td>History of Rock ‘n Roll</td>
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**Global Awareness & Effective Citizen** 6 Hrs

<table>
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<tr>
<td>COMM 112</td>
<td>Under Media; COMM 114 Human</td>
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<tr>
<td>ECON 201</td>
<td>Prin Micro</td>
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</tr>
<tr>
<td>ECON 202</td>
<td>Prin Macro</td>
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<tr>
<td>GEOG 151</td>
<td>Human Geog</td>
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<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
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<tr>
<td>POLS 115</td>
<td>Amer Gov; POLS 116 State Gov</td>
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<td>PSYC 110</td>
<td>Intro Psyc</td>
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</tr>
<tr>
<td>SOC 110</td>
<td>Intro to Soc; SOC 111 Intro Anthro</td>
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**Additional General Education** 2 Hrs

Select one additional course from the area of Aesthetic Engagement or Global Awareness or

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ART 112</td>
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</tr>
<tr>
<td>ART 231</td>
<td>(3)</td>
<td>3</td>
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<tr>
<td>ART 281</td>
<td>(3)</td>
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<td>GEOG 111</td>
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<td>MUS 104</td>
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<td>PHYS 275</td>
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<td>THEA 201</td>
<td>(1-3)</td>
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</tbody>
</table>

*Required course

For degree and graduation requirements see pages 39-40.

Department Chair
Andre DeLorme, Ph.D.
Rhoades Science Center 203D
(701) 845-7573
Computer Information Systems
Composite Major

MAJOR
The Computer Information Systems major prepares students with a foundation in problem solving skills required to design and implement technology solutions to support business needs. The courses use project-based curricula that first teach the concepts of the subject matter and then require the students to apply the concepts. Adobe, SAP, Microsoft, Oracle and other well-known vendor applications and technologies are used to complete the hands-on projects. Students often work in teams to encourage the learning of group dynamics and soft-skills. Students who participate in internships have a strong foundation to build upon once entering the work environment. The curriculum follows IS2010 guidelines.

LEARNING OUTCOMES
1. Students understand problem requirements and identify technology solutions for those needs.
2. Students understand the big picture, how pieces fit together, and impact other pieces of the overall system.
3. Students research solutions to solve problems in a self-directed manner.
4. Students learn requirements and communicate appropriate solutions effectively.
5. Students manage simple projects and work in high performing teams to complete projects successfully.
6. Students adjust to the corporate culture in a work environment by understanding and adhering to cultural expectations in an ethical manner.

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements 39 Hours
Communication & Collaboration 9 Hours
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Wrtg * 3
COMM 110 Fund of Public Speaking 3
or COMM 212 Interpersonal Comm 3
or COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics (Select one course) 3 Hrs
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science (Select two courses) 8 Hrs
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems*

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies (Select one course) 3 Hrs
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music (Select one course) 3 Hrs
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Aware & Effective Citizen 6 Hrs
ECON 201 Principles of Microeconomics* 3
ECON 202 Principles of Macroeconomics* 3

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)
* Required course

Required Courses 54 Hours
ACCT 200 Elements of Accounting I 3
ACCT 201 Elements of Accounting II 3
CIS 104 Microcomputer Database 2
CIS 105 Microcomputer Spreadsheet 2
CIS 147 Principles of Info. Security 3
CIS 276 Business Languages 3
CIS 329 Information Systems Mgmt 3
CIS 369 Enterprise Systems 3
CIS 380 Systems Analysis and Design 3
CIS 381 Project Management 3
CIS 385 Database Theory/Design 3
CIS 460 Enterprise Architecture 3
CIS 465 IS Strategy, Mgmt, Acquisition 3
CIS 470 CRM and BI 4
CIS 480 Capstone Project 3
CIS 491 Senior Portfolio 1
ECON 261 Business Statistics 3
ENGL 310 Advanced Comp 3
or ENGL 410 Tech & Scientific Wrtg 3
or ENGL 420 Online Coll & Doc 3
MGMT 430 Organizational Behavior 3

Directed Electives 18 Hrs
CIS 128 Hardware I 3
CIS 162 Operating Systems 3
CIS 164 Networking Fundamentals 3
CIS 180 Creating Web Pages I 3
CIS 371 Enterprise Systems II 3
CIS 410 Advance Business Languages 3
CIS 420 Internet Languages 3
CIS 440 Advanced Digital Web Design 3
CIS 475 Integration of Business 3
Processes in SAP ERP 6
CSCI 127 Intro to Programming in JAVA 3

Total General Education 39 Hrs
Total Major Requirement 72 Hrs
Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements see pages 39-40.

Department Chair
Susan Pfeifer, M.S., PMP
McFarland 138
(701) 845-7719
Elementary Education

MAJOR
As a successful participant of the VCSU Elementary Education program you will receive a Bachelor of Science degree in Education and an initial North Dakota teaching license in Elementary Education, grades 1-6 self-contained classrooms. During coursework and field experiences, you will master basic skills of teaching and demonstrate professional character necessary for teaching. The Elementary Education curriculum is committed to learner-centered education and the preparation of exemplary teachers. Valley City State University is dedicated to preparing knowledge based decision makers and highly qualified teachers who possess the ability to:

• use technology
• communicate
• solve problems
• collaborate
• demonstrate competency as citizens in a global society

LEARNING OUTCOMES
1. Plan, implement, evaluate, and reflect on lessons that demonstrate an understanding of experiences, materials, and technologies through which all children learn, grow and develop.
2. Demonstrate the ability to manage a classroom.
3. Demonstrate the ability to assess student learning.

Elementary Education majors are required to demonstrate five of the eight abilities as well as the education abilities in their senior portfolios.

General Education Requirements 43 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I 3
ENGL 120 College Composition II 3
-or ENGL 125 Intro to Professional Writing 3
COMM 110 Fund of Public Speaking 3
-or COMM 212 Interpersonal Communication 3
-or COMM 216 Intercultural Communication 3

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Programming I 3

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage 3
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II 3
THEA 110 Intro Theatre; THEA 161 Acting I 3
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts 3
HUM 202 Fine Arts & Aesthetics 3
MUS 100 Music Appreciation 3
MUS 101 Music Fundamentals 3
MUS 207 History of Rock’n’Roll 3

Problem Solving 15 Hrs
Mathematics (select one course) 3 Hrs
MATH 103 College Algebra 3
MATH 104 Finite Mathematics 3
MATH 107 Precalculus 3
MATH 165 Calculus I 4

Lab Science - 12 crs
Biology *
Geology *
Chemistry *
or Physics *
*One course each in Biology, Earth Science, and Chemistry or Physical Science required.

Global Awareness & Effective Citizenship 6 Hrs
HIST 103 US to 1877 3
or HIST 104 US to Present 3
PSYC 111 Intro Psy 3

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness 2

Additional General Education 2 Hrs
GEOG 111 Survey of Geography * 2
*Required

For degree and graduation requirements see pages 39-40.

Dean:
Gary Thompson, Ed.D.
McFarland Hall 326A
(701) 845-7197

Professional Education Sequence 36-37 Hours

EDUC 240 Educating Exceptional Stdnts 2
EDUC 250 Introduction to Education 3
EDUC 283 Understanding Cult Div in Educ 3
EDUC 300 Educational Technology 2
EDUC 321 Found of Reading Instruction 3
EDUC 330 Children’s Literature 3
EDUC 352 Culturally Diverse Practicum 1
or EDUC 464 Pract in ELL Classroom 2
EDUC 400 Educational Psychology 2
EDUC 450 Trends in Assess & Educ Issues 2
EDUC 490 Student Teaching (Elem) 10
MATH 278 Math for Elem Teachers II 2
PSYC 250 Developmental Psychology 3

Required Courses 22 Hrs
EDUC 210 Creative Activities 2
EDUC 315 Mathematics in the Elem Sch 3
EDUC 320 Social Studies in the Elem Sch 3
EDUC 322 Methods of Lang Arts Instruc 3
EDUC 323 Methods of Rdng in Elem Sch 2
EDUC 350 Elem Prac & Citismn in Sch 2
EDUC 355 Science Mths for Elem Tchr 3
EDUC 491 Senior Portfolio 1
MATH 277 Math for Elem Teachers I 3

Content Options
Each Elementary Education major is required to complete a second major, minor, or one of the following content options. Dean of Education has the right to waive these requirements.

Early Childhood
** EDUC 1030 Infant & Toddler Care 2
** EDUC 1035 Infant & Toddler Care Lab 2
** EDUC 1200 Admin in EC Programs 3
** offered online through Casper College
EDUC 310 Intro to Early Childhood 3
EDUC 313 Language & Literacy in ECE 2
EDUC 337 Pre-K Observation & Assessment 3
EDUC 435 Kindergarten Educ & Curriculum 4
EDUC 485 Student Teaching (Elementary) 5

ELL
EDUC 361 Found of Bilingual/Multi Educ 2
EDUC 363 Assessing ELL Proficiency 2
EDUC 390 Methods of Teaching ELL 2
EDUC 464 Pract in ELL Classroom 2
ENGL 309 Linguistics & Lang Acquisition 3
ENGL 409 Language and Culture 3

Kindergarten
EDUC 310 Intro to Early Childhood - 3
EDUC 313 Language & Literacy in ECE - 2
EDUC 337 Pre-K Observation & Assess -3
EDUC 435 Kindergarten Educ & Curriculum - 4
EDUC 485 Student Teaching (Elementary) - 5
### Elementary Education - continued

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<td>EDUC 305 Philosophy &amp; Curriculum</td>
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<td>EDUC 375 Tchng Rdng In The Content Area</td>
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<td>EDUC 470 Methods of Tchng Middle School</td>
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<td>EDUC 430 Diag &amp; Corr Rdng Difficulties</td>
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<td>EDUC 431 Practicum Corrective Rdng-Elem</td>
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<td>EDUC 430 Diag &amp; Corr Rdng Difficulties</td>
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<td>SPED 310 Behavior Modification</td>
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<td>SPED 333 Assess Students w Disabilities</td>
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<td>SPED 334 Practicum Assess Stdnt Disabilities</td>
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<td>SPED 380 Collaboration, Consultation, and Transition Planning for Students</td>
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<td>with Disabilities</td>
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<td>SPED 382 Methods &amp; Materials of SLD</td>
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<td>SPED 383 Methods &amp; Materials of ED</td>
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<td>SPED 384 Methods &amp; Materials of ID</td>
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<td>SPED 385 Practicum in SLD</td>
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**Special Program Requirement**

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<tr>
<td>Total Major Requirement</td>
<td>58-59 Hrs</td>
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<td>Total Credits Needed to Graduate</td>
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English

MAJOR
The English degree involves the completion of three specific components—the General Education Core of courses all VCSU graduates must complete, a mix of required and elective courses in the major that prepare students in one of three specific concentrations—Professional Writing, Literary Studies, or General English—and a minor of the student’s choosing.

Students will work closely with advisors in determining which courses from the Gen Ed menu might best fit their interests, as well as in deciding which concentration would best fit future plans, which electives might suit them best term by term, and which minor to pursue. Thus, our offerings provide the critical reading and thinking skills essential to collegiate success; and creating value of understanding cultural awareness & effective citizenship (select two courses)

For degree and graduation requirements see pages 39-40.

LEARNING OUTCOMES
1. Insuring that students possess the academic and creative writing skills essential to collegiate success;
2. Providing the critical reading and thinking skills to support life-long learning; and
3. Affirming the value of understanding cultural differences.

ABILITIES
Communication
Excellent writing and speaking abilities
Aesthetic Engagement/Problem Solving
Sophisticated analytical skills
Problem Solving
Competent research skills
Global Awareness
Ability to synthesize language, life, and culture.

General Education Requirements 39 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I 3
ENGL 120 College Composition II 3
-OR- ENGL 125 Intro to Professional Writing 3
COMM 110 Fund of Public Speaking 3
-OR-COMM 212 Interpersonal Communication 3
-OR-COMM 216 Intercultural Communication 3

Technology 3 Hrs
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Cис 170

Aesthetic Engagement 6 Hrs
Literacies- (select one course) 3 Hrs
ENGL 220 Intro Lit; ENGL 225 Intro Film
ENGL 241 World Lit I; ENGL 242 World Lit II
ENGL 261 Amer Lit I; ENGL 262 Amer Lit II
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music- (select one course) 3 Hrs
Art 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Problem Solving 11 Hrs
Mathematics (select one course) 3 Hrs
MATH 103 College Algebra 3
MATH 104 Finite Mathematics 3
MATH 107 Precalculus 3
MATH 165 Calculus I 4
Lab Science (select two courses) 8 Hrs
BIOL 111, 150, 151, 170, 220, 221 4
CHEM 115, 116, 121, 122 4
GEOL 100, 106 4
PHYS 100, 110, 161, 162, 251, 252 4
TECH 161 4

Global Awareness & Effective Citizenship (select two courses) 6 Hrs
COMM 112 Under Media; COMM 114 Human
COMM; ECON 201 Prin of Micro; ECON 202 Prin of Macro; GEOG 151 Human Geography
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov’t; POLS 116 State Gov
PSYC 111 Intro to Psychology
SOC 110 Intro to Soc; SOC 111 Intro to Anthro

Wellness 2 Hrs
HPER 100 Concepts of Fitness & Wellness 2

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2);
MUS 131 (1), MUS 141 (1); THEA 201 (1-3)

Required Courses 6 Hours
ENGL 271 Literary Analysis I 3
ENGL 480 Shakespeare 3

Directed Electives 16 Hrs
Literature Electives 9 Hrs
ENGL 241 World Literature I 3
ENGL 242 World Literature II 3
ENGL 261 American Literature I 3
ENGL 262 American Literature II 3
ENGL 321 English Literature I 3
ENGL 322 English Literature II 3

Writing Electives 7 Hrs
ENGL 125 Intro to Professional Writing 3
ENGL 305 Writing Workshop 1
ENGL 309 Linguistics & Lang Acquisition 3
ENGL 310 Advanced Composition 3
ENGL 330 Creative Writing 3
COMM 200 Introduction to Media Writing 3

Concentration 12 Hrs
Select one concentration area:
Prof Writing Concentration 12 Hrs
ENGL 300 Grammatical Analysis 3
ENGL 330 Creative Writing 3
ENGL 410 Technical & Scientific Writing 3
COMM 314 Public Relations 3
COMM 315 Digital Communication 3
COMM 344 Reporting & Feature Writing 3
ENGL 420 Online Communication & Doc 3

Lit Studies Concentration 12 Hrs
ENGL 321 English Literature I 3
ENGL 322 English Literature II 3
ENGL 340 Studies in American Literature 3
ENGL 360 Literature in Translation 3
ENGL 430 Studies in Poetry 3
ENGL 440 Comparative Literature 3
ENGL 450 Studies in British Literature 3

General English Concentration 12 Hrs
ENGL 300 Grammatical Analysis 3
ENGL 340 Studies in American Literature 3
ENGL 409 Language and Culture 3
ENGL 440 Comparative Literature 3
ENGL 450 Studies in British Literature 3
EDUC 390 Methods of ELL 2
ENGL 305 Writing Workshop 1
COMM 314 Public Relations 3
COMM 212 Interpersonal Communication 3

At least six (6) semester hours of ENGL/COMM coursework must be completed at VCSU.
ENGL 125 if taken as a General Education Studies course, it will not fulfill one of the writing course menu options.

Total General Education 38 Hrs
Total Major Requirement 34 Hrs
Total Credits Needed to Graduate 120 Hrs

Department Chair
Julee Russell, Ph.D.
McFarland 315
(701) 845-7440
## English Education

### MAJOR

The English Education degree involves the completion of three specific components—the General Education Core of courses all VCSU graduates must complete, a Professional Education Sequence all Secondary Education majors across the state need to fulfill, and a mix of required and elective courses in the Major that prepare students for both the accreditation exams they'll need to pass before teaching, and the classrooms they'll be entering as teachers.

Students will work closely with advisors in determining which courses from the Gen Ed menu might best fit their interests while making sure all requirements are met, as well as determining when courses in the Ed Sequence and the Required Courses for the major columns need to be taken. Finally, the offerings in the Literature, Writing, and Comm and Media Studies categories present a nice variety of choices for students as they both develop preferences and grow more savvy about what their future might be asking of them.

English faculty have identified the following Learning Outcomes and VCSU Abilities as being majors:

- **LEARNING OUTCOMES**:
  1. Insuring that students possess the academic and creative writing skills essential to collegiate success;
  2. Providing the critical reading and thinking skills to support life-long learning; and
  3. Affirming the value of understanding cultural differences.

- **ABILITIES**
  - Communication
  - Excellent writing and speaking abilities
  - Aesthetic Engagement/Problem Solving
  - Sophisticated analytical skills
  - Problem Solving
  - Competent research skills
  - Global Awareness
  - Ability to synthesize language, life, and culture

At least six (6) semester hours of ENGL/COMM coursework must be completed at VCSU. If ENGL 125 is taken as a General Education Studies course, it will not fulfill one of the writing course menu options.

For degree and graduation requirements see pages 39-40.

### General Education Requirements 39 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication &amp; Collaboration</td>
<td>9</td>
</tr>
<tr>
<td>ENGL 110 College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 120 College Composition II</td>
<td>3</td>
</tr>
<tr>
<td>-or- ENGL 125 Intro to Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>-or-COMM 212 Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>-or-COMM 216 Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

### Technology (Select one course) 3 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 127 Intro to Programming in Java</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 160 Intro to Structured Programming</td>
<td>3</td>
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</table>

### Aesthetic Engagement 6 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literacies- (select one course)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 220 Intro Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 225 Intro Film</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 241 World Lit I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 242 World Lit II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 261 Amer Lit I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 262 Amer Lit II</td>
<td>3</td>
</tr>
<tr>
<td>HUM 201 Civil, Thought, &amp; Lit Heritage</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 201 2nd Yr I</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 202 2nd Yr II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 110 Intro Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 161 Acting I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Art & Music- (select one course) 3 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art 110 Introduction to Visual Arts</td>
<td>3</td>
</tr>
<tr>
<td>HUM 202 Fine Arts &amp; Aesthetics</td>
<td>3</td>
</tr>
<tr>
<td>MUS 100 Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>MUS 101 Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>MUS 207 History of Rock’n’Roll</td>
<td>3</td>
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</tbody>
</table>

### Problem Solving 11 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Mathematics (select one course)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 103 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 104 Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 107 Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>MATH 165 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Lab Science (select two courses)</td>
<td>8</td>
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<tr>
<td>BIOL 111, 150, 151, 170, 220, 221</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 115, 116, 121, 122</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 100, 106</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 100, 110, 161, 162, 251, 252</td>
<td>4</td>
</tr>
<tr>
<td>TECH 161</td>
<td>4</td>
</tr>
</tbody>
</table>

### Global Awareness & Effective Citizenship (select two courses) 6 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 112 Under Media</td>
<td>3</td>
</tr>
<tr>
<td>COMM 114 Human COMM</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201 Prin of Micro</td>
<td>3</td>
</tr>
<tr>
<td>ECON 202 Prin of Macro</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 151 Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
<td>3</td>
</tr>
<tr>
<td>POLS 115 Amer Gov’t</td>
<td>3</td>
</tr>
<tr>
<td>POLS 116 State Gov</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 111 Intro to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110 Intro to Soc</td>
<td>3</td>
</tr>
<tr>
<td>SOC 111 Intro to Anthro</td>
<td>3</td>
</tr>
</tbody>
</table>

### Wellness 2 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 100 Concepts of Fitness &amp; Wellness</td>
<td>2</td>
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</tbody>
</table>

### Additional General Education 2 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one additional course from the area of Aesthetic Engagement or Global Awareness or ART 112 (3), ART 231 (3); ART 281 (3); GEOG 111 (2); MUS 131 (1), MUS 141 (1); THEA 201 (1-3)</td>
<td>2</td>
</tr>
</tbody>
</table>

### Required Courses 21 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 271 Literary Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 300 Grammatical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 309 Linguistics &amp; Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 310 Advanced Composition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 350 Young Adult Reading and Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 480 Shakespeare</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 490 Methods Teaching Comm Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

### Professional Education Sequence 31-32 Hrs

- **EDUC 240 Educating Exceptional Students** 2
- **EDUC 250 Introduction to Education** 3
- **EDUC 283 Understanding Cult** 3
- Div in Education 3
- **EDUC 300 Educational Technology** 2
- **EDUC 352 Culturally Diverse Practicum** 1
- **EDUC 352 Culturally Diverse Practicum** 1
- -or-EDUC 464 Practicum in the ESL Classroom 2
- **EDUC 375 Tchg Rdg in the Content Areas** 2
- **EDUC 400 Educational Psychology** 2
- **EDUC 450 Trends in Assess & Edu Issues** 2
- **EDUC 480 Student Teaching (Secondary)** 10
- **PSYC 250 Developmental Psychology** 3

**National and Minority Literature 12 Hrs**

Select at least one course from each of the following areas:

- **American Literature**
  - **ENGL 261 American Literature I** 3
  - **ENGL 262 American Literature II** 3
  - **ENGL 340 Studies in American Lit** 3
- **British Literature**
  - **ENGL 321 English Literature I** 3
  - **ENGL 322 English Literature II** 3
  - **ENGL 450 Studies in British Literature** 3
- **World Literature**
  - **ENGL 241 World Literature I** 3
  - **ENGL 242 World Literature II** 3
  - **ENGL 360 Literature in Translation** 3
  - **ENGL 440 Comparative Literature** 3

### Writing Courses 4 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 200 Introduction to Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 314 Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 125 Intro to Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 305 Writing Workshop</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 330 Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 410 Technical &amp; Scientific Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

### Communication and Media Studies 3 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 112 Understand Media Soc Chng</td>
<td>3</td>
</tr>
<tr>
<td>COMM 211 Oral Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 225 Introduction to Film</td>
<td>3</td>
</tr>
<tr>
<td>THEA 161 Acting I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total General Education 39 Hrs

### Total Major Requirement 40 Hrs

### Total Professional Ed Sequence 31-32 Hrs

### Total Credits Needed to Graduate 120 Hrs

---

**Department Chair**

Julee Russell, Ph.D.

McFarland 315

(701) 845-7440
Exercise Science and Leisure Studies - Exercise Science Concentration A

MAJOR
Exercise Science and Leisure Studies (Leisure Studies Concentration) is designed for the student who is interested in attaining entry-level positions in health and fitness related fields. The program of study in Exercise Science and Leisure Studies aims to develop an understanding of the concepts and theories of sport activities, along with health and wellness behaviors of the general public. You will acquire the skill needed to develop and/or assist other health and fitness professionals in publicly or privately owned and operated businesses in the community.

LEARNING OUTCOMES
1. Demonstrate the ability to relate concepts of anatomy, physiology, and biomechanics.
2. Formulate relationships between proper nutrition, physical activity, prevention of common disease and overall wellness.

ABILITIES
Communication
To convey thoughts, ideas, data, information, and messages effectively.

Problem Solving
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Collaboration
To work together to reach a common goal.

Technology
Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Diane Burr, M.S./A.T.C.
Graichen Gymnasium 002
(701) 845-7242

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Writing * 3
COMM 110 Fund of Public Speaking 3

Technology
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro Java; CSCI 160 Intro Struc 3

Aesthetic Engagement 6 Hrs
Literacies (select one course) 3 Hrs
ENGL 220 Intro Lit; ENGL 225 Intro Film
ENGL 241 World Lit I; ENGL 242 World Lit II
ENGL 261 Amer Lit I; ENGL 262 Amer Lit II
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Act One

Art & Music (select one course) 3 Hrs
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Problem Solving 11 Hrs
Mathematics (select one course) 3 Hrs
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Science (select two courses) 8 Hrs
BIOL 111 Concepts of Biology
- or- CHEM 115 Introductory Chemistry
- or- BIOL 150 General Biology*

Global Awareness & Effective Citizenship 6 Hrs
COMM 112 Under Media; COMM 114 Human Comm; ECON 201 Prin of Micro; ECON 202 Prin of Macro; GEOG 151 Human Geography
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Introduction to Psych
SOC 110 Intro to Sociology
SOC 111 Intro Anthro

Wellness 2 Hrs
HPER 100 Concepts of Fitness & Wellness 2

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness
- or- ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2); MUS 131 (1), MUS 141 (1); THEA 201 (1-3)

Required Courses 13 Hours
HPER 207 Prevent & Care of Athletic Inj 2
HPER 208 Introduction to Physical Ed 2
HPER 209 Sport Nutrition Concepts 3
HPER 210 First Aid & CPR 1
HPER 300 Drug Education 2
HPER 350 Sport Ethics 2
HPER 491 Senior Portfolio 1

Concentration A - Exercise Science 38 Hrs

Required Courses:
CHEM 121 General Chemistry 5
CHEM 122 General Chemistry 5
HPER 109 Exercise Tech & Prog Design 3
HPER 315 Elements of Health 3
HPER 258 Applied Anat/Phys/Hum Perf 3
HPER 259 Applied Anat/Phys/Hum Perf 3
HPER 390 Fit Assessment/ Exer Prescript 3
HPER 400 Issues and Trends in Comm. Health 2
MATH 321 Applied Probability and Statistics 3
PHYS 161 Introductory College Physics I 4
PHYS 162 Introductory College Physics II 4

Directed Electives 28 Hrs
Courses accepted only with the approval of program advisor and/or Department Chair.

Total General Education 79 Hrs
Total Major Requirement 39 Hrs
Total Credits Needed to Graduate 120 Hrs
Exercise Science and Leisure Studies - Sport Management Concentration B

Composite Major

MAJOR

The program of Exercise Science and Leisure Studies (Strength and Conditioning Specialist) is primarily designed to prepare you for careers in the strength and conditioning field. The program of study in Strength and Conditioning aims to develop an understanding of the concepts and theories of program design. You will acquire the skills necessary to develop training and conditioning regimens for athletic and fitness programs. Students who complete this program of study will be prepared to seek employment in the sport and fitness industry.

LEARNING OUTCOMES

1. Create projects that demonstrate their understanding of managerial and leadership concepts as related to sport management.
2. Apply fundamental marketing and/or public relation concepts to the sport industry.

ABILITIES

Communication
To convey thoughts, ideas, data, information, and messages effectively.

Problem Solving
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Collaboration
To work together to reach a common goal.

Technology
Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Diane Burr, M.S./A.T.C.
Graichen Gymnasium 002
(701) 845-7242

General Education Requirements

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110 College Composition I</td>
<td>9 Hrs</td>
</tr>
<tr>
<td>ENGL 125 Intro to Professional Wrtg*</td>
<td></td>
</tr>
<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td></td>
</tr>
<tr>
<td>or COMM 212 Interpersonal Comm</td>
<td></td>
</tr>
<tr>
<td>or COMM 216 Intercultural Comm</td>
<td></td>
</tr>
</tbody>
</table>

Problem Solving

| Mathematics - 3 crs (Select one course) | |
| MATH 103 College Algebra | |
| MATH 104 Finite Mathematics | |
| MATH 107 Precalculus | |
| MATH 165 Calculus I | |

Lab Science - 8 crs (Select two courses)
BIO1 111 Concepts of Biology
-o- CHEM 115 Introductory Chemistry*
-o- BIO1 150 General Biology

GEOL 100, 106

PHYS 100, 110, 161, 162, 251, 252

TECH 161

Technology (Select one course)

CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Programming 3

Wellness

HPER 100 Concepts Fitness & Wellness 2 Hrs

Aesthetic Engagement

Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen

6 Hrs

(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psych
SOC 110 Intro to Sociology
SOC 111 Intro Anthro

Additional General Education

2 Hrs

Select one additional course from the area of Aesthetic Engagement or Global Awareness or

ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 143 (1), PHYS 275 (1), THEA 201 (1-3)

* Required course

Required Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 207 Prevent &amp; Care of Athletic Inj</td>
<td>2</td>
</tr>
<tr>
<td>HPER 208 Introduction to Physical Ed</td>
<td>2</td>
</tr>
<tr>
<td>HPER 209 Sport Nutrition Concepts</td>
<td>3</td>
</tr>
<tr>
<td>HPER 210 First Aid &amp; CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPER 300 Drug Education</td>
<td>2</td>
</tr>
<tr>
<td>HPER 350 Sport Ethics</td>
<td>2</td>
</tr>
<tr>
<td>HPER 491 Senior Portfolio</td>
<td>1</td>
</tr>
</tbody>
</table>

Concentration B - Sport Management 23-25 Hrs

Required Courses:

ACCT 200 Elements of Accounting I 3
BOTE 336 Business Data Solutions 3
HPER 220 Practical Application of Fitness Education 3
HPER 361 Ins & Org of Team Activities 2
HPER 410 Administration of Health & PE 2
HPER 420 Rec & Leisure in Mod Society 3
HPER 487 Field Experience Practicum 2-4
MGMT 330 Principles of Management 3
MGMT 305 Principles of Marketing 3

Directed Electives

27 Hrs

Electives 1 - Behavioral Studies 18 Hrs
COMM 200 Introduction to Media 3
COMM 312 Gender Communication 3
COMM 314 Public Relations 3
HPER 109 Exercise Tech & Prog. Design 3
HPER 315 Elements of Health 3
HPER 320 First Aid/CPR Instructor Cert 2
HPER 325 PE in the Elementary Grades 3
HPER 338 Modern Sports Officiating 2
HPER 258 Applied Anat/Phys/Hum Perf 3
HPER 259 Applied Anat/Phys/Hum Perf 3
HPER 390 Fit Assessment/Exer Prescipt 3
HPER 400 Current Issues in Comm Health 2
HPER 425 Soc/Psyc Aspect of Sport & PE 2
HPER 499 Special Topics 1-4

PSYC 250 Developmental Psychology 3
PSYC/SOC 350 Social Psychology 3
COMM/PSYCH/SOC 360 Group Dynamics 3
PSYC 410 Mental Health 3
SOC 385 Introduction to Gerontology 3

Electives 2 - Business 9 Hrs
ACCT 201 Elements of Accounting II 3
BOTE 314 Business Reports & Comm 3
ECON 201 Principles of Microeconomics 3
ECON 202 Principles of Macroeconomics 3
FIN 375 Business Finance I 3

MGMT 425 Human Resource Management 3
MGMT 430 Organizational Behavior 3
MGMT 319 Website Authoring 3

MRKT 370 Advertising & Promotions 3

MRKT 405 Retail Management 3

Total General Education 39 Hrs

Total Major Requirement 63 - 65 Hrs

Total Credits Needed to Graduate 120 Hrs
Exercise Science and Leisure Studies - Leisure Studies Concentration C
Composite Major

MAJOR
Exercise Science and Leisure Studies (Leisure Studies Concentration) is designed for the student who is interested in attaining entry-level positions in health and fitness related fields. The program of study in Exercise Science and Leisure Studies aims to develop an understanding of the concepts and theories of sport activities, along with health and wellness behaviors of the general public.

You will acquire the skill needed to develop and/or assist other health and fitness professionals in publicly or privately owned and operated businesses in the community.

LEARNING OUTCOMES
1. Demonstrate the ability to use content principles in practical applications concerning aspects of wellness.
2. Relate the evolving patterns in American society and the need for leisure activities.

ABILITIES
Communication
To convey thoughts, ideas, data, information, and messages effectively.

Problem Solving
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Collaboration
To work together to reach a common goal.

Technology
Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Diane Burr, M.S./A.T.C.
Graichen Gymnasium 002
(701) 845-7242

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Writing * 3
COMM 110 Fund of Public Speaking 3
-OR- COMM 212 Interpersonal Communication
-OR- COMM 216 Intercultural Communication

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOl 111 Concepts of Biology
-OR- CHEM 115 Introductory Chemistry*
-OR- BIOL 150 General Biology
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 3 Hrs (Select one course)
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Struc

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psyc
SOC 110 Intro to Sociology
SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness
or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111
(2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS
141 (1), PHYS 275 (1), THEA 201 (1-3)
* Required course

Required Courses 13 Hours
HPER 207 Prevent & Care of Athletic Inj 2
HPER 208 Introduction to Physical Ed 2
HPER 209 Sport Nutrition Concepts 3
HPER 210 First Aid & CPR 1
HPER 300 Drug Education 2
HPER 350 Sport Ethics 2
HPER 491 Senior Portfolio 1

Concentration C - Leisure Studies 25 - 27 Hrs

Required Courses:
BOTE 314 Business Reports & Comm 3
BOTE 336 Business Data Solutions 3
HPER 109 Exercise Tech & Prog Design 3
HPER 220 Practical App of Fitness Ed 3
HPER 361 Ins & Org of Team Activities 2
HPER 380 Human Sexuality 3
HPER 400 Current Issues in Comm Hlth 2
HPER 420 Rec & Leisure in Mod Society 2
HPER 425 Soc/Psych Aspects of Sport & PE 2
HPER 487 Field Experience Practicum 2-4

Directed Electives 14 Hrs
Students must select 14 credits from the menu below
HPER 258 Applied Anat, Phys, & Human Performance 3
HPER 259 Applied Anat, Phys, & Human Performance 3
HPER 301 Phi & App of Football Coaching 2
HPER 302 Phi & App of Basketball Coaching 2
HPER 303 Phi & App of Volleyball Coaching 2
HPER 304 Phi & App of Baseball/Softball Coaching 2
HPER 305 Phi & App of Track & Field Coaching 2
HPER 315 Elements of Health 3
HPER 325 Elementary Physical Education 3
HPER 338 Modern Sports Officiating 2
HPER 360 Ins & Org of Intr/Dual Activities 3
HPER 390 Fitness Assessment & Exercise Prescription 3

Total General Education 39 Hrs
Total Major Requirement 52-54 Hrs
Total Credits Needed to Graduate 120 Hrs

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**Exercise Science and Leisure Studies - Strength & Conditioning Specialist - D**

**Composite Major**

**MAJOR**
The program of Exercise Science and Leisure Studies (Strength and Conditioning Specialist) is primarily designed to prepare you for careers in the strength and conditioning field. The program of study in Strength and Conditioning aims to develop an understanding of the concepts and theories of program design. You will acquire the skills necessary to develop training and conditioning regimens for athletic and fitness programs. Students who complete this program of study will be prepared to seek employment in the sport and fitness industry.

**LEARNING OUTCOMES**
1. Demonstrate the proper use of safety procedures needed during fitness evaluations, exercise testing, and exercise training.
2. Assess, design, implement, and/or modify safe and effective exercise prescriptions to improve health and performance.

**ABILITIES**

**Communication**
To convey thoughts, ideas, data, information, and messages effectively.

**Problem Solving**
To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

**Collaboration**
To work together to reach a common goal.

**Technology**
Use technological tools and processes to improve learning, productivity, and/or performance.

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<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>39 Hours</th>
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<tr>
<td>Communication &amp; Collaboration</td>
<td>9 Hrs</td>
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<td>-OR- COMM 212 Interpersonal Communication</td>
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<td>-OR- COMM 216 Intercultural Communication</td>
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<td>MATH 104 Finite Mathematics</td>
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<td>MATH 107 Precalculus</td>
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<tr>
<td>MATH 165 Calculus I</td>
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| Lab Science - 8 crs (Select two courses) |
| BIOL 111 Concepts of Biology |
| -OR- CHEM 115 Introductory Chemistry |
| -OR- BIOL 150 General Biology* |
| GEOL 100, 106 |
| PHYS 100, 110, 161, 162, 251, 252 |
| TECH 161 |

| Technology (Select one course) | 3 Hrs |
| CIS 170 Intro to Computer Info Systems | 3 |
| CSCI 127 Intro to Programming in Java | 3 |
| CSCI 160 Intro to Structured Programming I | 3 |

| Wellness | 2 Hrs |
| HPER 100 Concepts Fitness & Wellness |

| Aesthetic Engagement | 6 Hrs |
| Literacies - 3 crs (Select one course) |
| ENGL 220, 225, 241, 242, 261, 262 |
| HUM 201 Civil, Thought, & Lit Heritage |
| SPAN 201 2nd Yr I; SPAN 202 2nd Yr II |
| THEA 110 Intro Theatre; THEA 161 Acting I |
| Art & Music - 3 crs (Select one course) |
| ART 110 Introduction to Visual Arts |
| HUM 202 Fine Arts & Aesthetics |
| MUS 100 Music Appreciation |
| MUS 101 Music Fundamentals |
| MUS 207 History of Rock’n’Roll |

| Global Awareness & Effective Citizen | 6 Hrs |
| (Select two courses) |
| COMM 112 Under Media; COMM 114 Human; |
| ECON 201 Prin Micro; ECON 202 Prin Macro |
| GEOG 151 Human Geog |
| HIST 103, 104, 211, 212, 260, 267, 270 |
| POLS 115 Amer Gov; POLS 116 State Gov |
| PSYC 111 Intro Psyc |
| SOC 110 Intro to Sociology |
| SOC 111 Intro Anthro |

| Additional General Education | 2 Hrs |
| Select one additional course from the area of Aesthetic Engagement or Global Awareness or |
| ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3) |

*Required

For degree and graduation requirements see pages 39-40.

**Department Chair**
Diane Burr, M.S./A.T.C.
Graichen Gymnasium 002
(701) 845-7242

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<table>
<thead>
<tr>
<th>Concentration D - Strength &amp; Conditioning</th>
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<td>HPER 208 Introduction to Physical Ed</td>
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<td>HPER 209 Sport Nutrition Concepts</td>
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<td>HPER 210 First Aid &amp; CPR</td>
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<td>HPER 300 Drug Education</td>
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<td>HPER 350 Sport Ethics</td>
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<td>HPER 491 Senior Portfolio</td>
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<td>ACCT 200 Elements of Accounting I</td>
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<td>ACCT 201 Elements of Accounting II</td>
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<td>BOTE 336 Business Data Solutions</td>
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<td>COMM 312 Gender Relations</td>
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<td>COMM 314 Public Relations</td>
<td>3</td>
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<tr>
<td>COMM 360 Group Dynamics</td>
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<tr>
<td>HPER 109 Exercise Techniques &amp; Program Design</td>
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<tr>
<td>HPER 220 Practical Application of Fitness Education</td>
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<tr>
<td>HPER 258 Applied Anat/Phys/Hum Perf</td>
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<td>HPER 259 Applied Anat/Phys/Hum Perf</td>
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<tr>
<td>HPER 390 Fit Assessment/Ex Presc</td>
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<tr>
<td>HPER 405 Advanced Topics in Strength and Conditioning</td>
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<td>HPER 410 Admin of HPE &amp; Sport</td>
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<td>HPER 444 ExPhys of Peak Performance</td>
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<td>HPER 487 Field Experience Pract</td>
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<td>MGMT 330 Principles of Mgmt</td>
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<td>Total Major Requirement</td>
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<tr>
<td>Total Credits Needed to Graduate</td>
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Fisheries and Wildlife Science
Composite Major

MAJOR
The Fisheries and Wildlife Sciences degree (B.A., or B.S.) prepares you for careers in wildlife and fisheries management with state and federal agencies, and conservation organizations. Graduates are qualified for federal positions with agencies such as the U.S. Fish and Wildlife Service, U.S. Forest Service, National Park Service, Environmental Protection Agency, U.S. Geological Survey and others. Common conservation organizations include Ducks Unlimited, Pheasants Forever, Delta Waterfowl, and The Nature Conservancy. The degree also prepares you for higher academic degrees. The curriculum allows you to meet the certification requirements of the American Fisheries Society and The Wildlife Society. You have the choice of majoring in the Fisheries Option, Wildlife Option or both.

LEARNING OUTCOMES
After a student completes the Fisheries and Wildlife Science Program he or she should be able to:
1. Demonstrate a fundamental knowledge of the major concepts in Biology and Fisheries and Wildlife science.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Analyze the consequences of activities on themselves and his/her environment.
5. Prepare students for entry level natural resource positions and/or graduate school.

ABILITIES
Problem Solving Obtain, organize, and interpret information to provide creative, critical solutions.
Collaboration Ability to work with others
Global Awareness Recognize relationships
Communication Ability to convey information and knowledge
Technology Use, understand, and implement to provide solutions in an information society.

For degree and graduation requirements see pages 39-40.

General Education Requirements 40 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm or COMM 216 Intercultural Comm

Problem Solving 13 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 10 crs (Select two courses)
CHEM 116 Intro to Organic & Biochem *
CHEM 121 General Chemistry *

Technology 3 Hrs
(Select one course)
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Struct

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psy
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

Required Courses 34 Hours
Biol 121 Intro to Fish & Wildlife Sciences 4
Biol 122 Fisheries & Wildlife Techniques 4
Biol 150 General Biology 4
Biol 151 General Biology 4
Biol 170 General Zoology 4
Biol 311 Botany 4
Biol 360 Environ Law & Regulations 3
Biol 375 Conservation Biology 4
Biol 430 Hum Dimen in Fish & Wildlife 3

Students must complete required courses as listed above and the course work listed under Concentration A and/or B, C

Concentration A - Fisheries Focus 40 Hrs
Required 32 Hrs
Biol 347 Aquatic Entomology 4
Biol 367 Ichthyology 4
Biol 412 Fisheries Management 4
Biol 470 Limnology 4
Biol 440 Biostatistics & Exp Design 4
CHEM 122 General Chemistry 5
MATH 146 Applied Calculus I 4
ENGL 410 Professional Writing 3
or COMM 200 Intro to Media Writing 3
or COMM 314 Public Relations 3
Electives 8 Hrs
Biol 315 Genetics 4
Biol 410 Field Ecology 4
Biol 455 Introduction to GIS 4
GEOL 300 Environmental Earth Science 4
ENVT 270 Water Res Mgmt (DCB) 4
Biol 497 Internship 4

Total Major Requirement Concentration A 74 Hrs
Concentration B - Wildlife Focus 39 Hrs
Required 39 Hrs
RNG 236 Intro to Range Mgmt (DCB) 4
Biol 312 Botany (BOT 212 @ DCB) 4
Biol 343 Ornithology 4
Biol 355 Mammalogy 4
Biol 410 Field Ecology 4
Biol 411 Wildlife Management 4
Biol 440 Biostatistics & Exp Design 4
Biol 455 Introduction to GIS 4
MATH 146 Applied Calculus I 4
ENGL 410 Professional Writing 3
or COMM 200 Intro to Media Writing 3
or COMM 314 Public Relations 3

Total Major Requirement Concentration B 73 Hrs

Department Chair
Andre DeLorme, Ph.D.
Rhoades Science Center 203D
(701) 845-7573
## Fisheries and Wildlife Science - continued

### Composite Major

#### Concentration C - Conservation Law

<table>
<thead>
<tr>
<th>Enforcement Focus</th>
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<tr>
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<tr>
<td>BIOL 343 Ornithology</td>
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<tr>
<td>BIOL 355 Mammalogy</td>
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<tr>
<td>BIOL 367 Ichthyology</td>
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<tr>
<td>BIOL 410 Field Ecology</td>
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<td>BIOL 455 Introduction to GIS</td>
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<tr>
<td>SOC/POLS 252 Intro to Criminal Justice</td>
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<tr>
<td>SOC 390 Criminology &amp; Delinquency</td>
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<tr>
<td>POLS 116 State and Local Government</td>
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<tr>
<td>POLS 376 U.S. Constitution: Civil Lib</td>
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</table>

Select two of the following

| ENGL 410 Professional Writing | 3 |
| COMM 200 Intro to Media Writing | 3 |
| COMM 314 Public Relations | 3 |

**Total Major Required Concentration C** | **72 Hrs**

**Total General Education** | **40 Hrs**

**Total Major Requirement** | **73 Hrs**

**Total Credits Needed to Graduate** | **120 Hrs**
Health Education

MAJOR
Health Education prepares you as a health educator within secondary school systems. Courses in nutrition, Biology, human sexuality, drug education, health issues and diseases, and typical student health problems help prepare you to teach health courses. The curriculum in health seeks to enhance your knowledge in the health services, health in the environment and health instruction in the public schools. The curriculum blends basic health information with the application of this knowledge to the community/ classroom environment.

The health education major prepares the teaching candidate for a position in the public school systems. The licensed health education graduate is qualified to teach students from the seventh through the twelfth grades.

LEARNING OUTCOMES
1. Perform as an effective communicator to apply health education content to a healthy lifestyle.
2. Exhibit problem-solving abilities as a teacher in the health education classroom.
3. Demonstrate the ability to work together to achieve a common goal in health education instruction.
4. Show the ability to utilize various technologies in health education instruction.

ABILITY
Communication To convey thoughts, ideas, data, information, and messages effectively.

Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

Collaboration To work together to reach a common goal.

Technology Use technological tools and processes to improve learning, productivity, and/or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Diane Burr, M.S./A.T.C.
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General Education Requirements

<table>
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<tr>
<th>Subject</th>
<th>Course</th>
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<td>Communication &amp; Collaboration</td>
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<tr>
<td></td>
<td>ENGL 120 College Composition II</td>
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<tr>
<td></td>
<td>or ENGL 125 Intro to Professional Wrtg</td>
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<tr>
<td></td>
<td>COMM 110 Fund of Public Speaking</td>
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<tr>
<td></td>
<td>or COMM 212 Interpersonal Comm</td>
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<tr>
<td></td>
<td>or COMM 216 Intercultural Comm</td>
<td></td>
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</tbody>
</table>

Problem Solving

| Mathematics - 3 crs (Select one course) | MATH 103 College Algebra | 3 |
| Technology (Select one course) | MATH 104 Finite Mathematics | 3 |
| | MATH 107 Precalculus | |
| | MATH 165 Calculus I | |
| Lab Science - 8 crs (Select two courses) | BIOL 111 Concepts of Biology or higher | 8 |
| | CHEM 115, 116, 121, 122 | |
| Wellness | GEOL 100, 106 | 2 |
| | PHYS 100, 110, 161, 162, 251, 252 | |
| | TECH 161 | |
| Technology (Select one course) | CIS 170 Intro to Computer Info Systems | 3 |
| | CSCI 127 Intro to Programming in Java | 3 |
| | CSCI 160 Intro to Structured Programming I | 3 |
| Wellness | HPER 100 Concepts Fitness & Wellness | 6 |

Aesthetic Engagement

| Literacies - 3 crs (Select one course) | ENGL 220, 225, 241, 242, 261, 262 | 3 |
| | HUM 201 Civil, Thought, & Lit Heritage | |
| | SPAN 201 2nd Yr I; SPAN 202 2nd Yr II | |
| | THEA 110 Intro Theatre; THEA 161 Acting I | |
| | Art & Music - 3 crs (Select one course) | 3 |
| | ART 110 Introduction to Visual Arts | |
| | HUM 202 Fine Arts & Aesthetics | |
| | MUS 100 Music Appreciation | |
| | MUS 101 Music Fundamentals | |
| | MUS 207 History of Rock’n’Roll | |

Global Awareness & Effective Citizen

| COMM 112 Under Media; COMM 114 Human | 3 |
| ECON 201 Prin Micro; ECON 202 Prin Macro | |
| GEOG 151 Human Geog | |
| HIST 103, 104, 211, 212, 260, 267, 270 | |
| POLS 115 Amer Gov; POLS 116 State Gov | |
| PSYC 110 Intro to Psychology | |

Required Courses

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<td>ENGL 221 Human Anat &amp; Physiology</td>
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<td>HPER 210 First Aid &amp; CPR</td>
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<td>HPER 300 Drug Education &amp; Information</td>
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<td>HPER 315 Elements of Health</td>
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<td>HPER 380 Human Sexuality</td>
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<td>HPER 400 Current Issues in Comm Hlth</td>
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<td>HPER 410 Admin of Hlth, PE, &amp; Athletics</td>
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<td>HPER 490 Meth, Curric &amp; Assess of HPE</td>
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<td>PSYC 410 Mental Health</td>
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<td>SOC 220 The Family</td>
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^Students with a double major in Health and Physical Education may substitute HPER 258/259 for BIOL 220/221

Directed Electives

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<td>BIOL 315 Genetics</td>
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<td>HPER 207 Prevent &amp; Care of Ath Injur</td>
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<td>HPER 385 Intro to Adapted PE</td>
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<td>HPER 485 Assessment in Adapted PE</td>
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<td>MATH 321 Probability &amp; Statistics</td>
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<td>PSYC 370 Abnormal Psychology</td>
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<td>SOC 385 Intro to Gerontology</td>
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Professional Education Sequence

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<td>EDUC 250 Introduction to Education</td>
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<td>EDUC 283 Understring Cult Div in Educ</td>
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<td>EDUC 300 Educational Technology</td>
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<td>EDUC 351 Sec Practicum &amp; Clsrn Mngt</td>
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<td>EDUC 352 Culturally Diverse Practicum</td>
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<td>EDUC 464 Pract in ELL Classroom</td>
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<td>EDUC 375 Tchg Rdg in Content Areas</td>
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<td>EDUC 400 Educational Psychology</td>
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<td>EDUC 450 Trends in Assess &amp; Educ Issues</td>
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<td>EDUC 480 Student Teaching (Sec)</td>
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<td>PSYC 250 Developmental Psychology</td>
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**Courses to be taken the same semester

The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.

Students are required to take HPER 491 Senior Portfolio course. It is highly recommended that you take the course during your junior year. Divisional ability projects must be related to Health and/or Physical Education.

Total General Education

| Credit | 39 |

Total Major Requirement

| Credit | 39-41 |

Total Professional Ed Sequence

| Credit | 31-32 |

Total Credits Needed to Graduate

| Credit | 120 |
Health Science
Composite Major

MAJOR
The Health Science major is organized to prepare you to pursue professional programs such as medicine, dentistry, optometry, pharmacy, chiropractic, physical therapy, physician assistant, mortuary science; for entry level positions that require an understanding of the biomedical field and its practical application, such as jobs in laboratories, hospitals, the government, field offices, and small business and industry; or to pursue graduate programs. The program is thorough and rigorous, and the exploration of a wide variety of career possibilities in biomedical areas is possible. The department has a strong field and practical application emphasis and classes involve field study in local areas. We pride ourselves in our small class sizes, which makes a superior learning environment for our students.

LEARNING OUTCOMES
Upon completion of the Health Science Program the students should be able to
1. Demonstrate a fundamental knowledge of the major concepts in chemistry and biology
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in scientific style.
4. Analyze the consequences of activities on themselves and their environment.
5. Apply and gain admission to professional or graduate school.

ABILITIES
Problem Solving Obtain, organize, and interpret information to provide creative, critical solutions
Collaboration Ability to work with others
Global Awareness Recognize relationships
Communication Ability to convey information and knowledge
Technology Use, understand, and implement to provide solutions in an information society.

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<td></td>
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</tbody>
</table>

Problem Solving 12 Hrs
Mathematics - 3 crs (Select one course)  
MATH 103 College Algebra*  
Lab Science - 9 crs (Select two courses)  
BIOL 150 General Biology *  
CHEM 121 General Chemistry *  

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems  
CSCI 127 Intro to Programming in Java  
CSCI 160 Intro to Structured Programming I  

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)  
ENGL 220, 225, 241, 242, 261, 262  
HUM 201 Civil, Thought, & Lit Heritage  
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II  
THEA 110 Intro Theatre; THEA 161 Acting I  
Art & Music - 3 crs (Select one course)  
ART 110 Introduction to Visual Arts  
HUM 202 Fine Arts & Aesthetics  
MUS 100 Music Appreciation  
MUS 101 Music Fundamentals  
MUS 207 History of Rock n Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)  
COMM 112 Under Media; COMM 114 Human;  
ECON 201 Prin Micro; ECON 202 Prin Macro  
GEOG 151 Human Geog  
HIST 103, 104, 211, 212, 260, 267, 270  
POLS 115 Amer Gov; POLS 116 State Gov  
PSYC 111 Intro Psych  
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or  
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

*Required

Required Courses 17 Hrs
BIOL 151 General Biology  
BIOL 220 Human Anatomy & Phys  
BIOL 221 Human Anatomy & Phys  
CHEM 122 General Chemistry  

Directed Electives 35 Hrs
Students future career choice determines the electives to be taken.
BIOL 310 Microbiology  
BIOL 311 Botany  
BIOL 315 Genetics  
BIOL 355 Mammalogy  
BIOL 440 Biostatistics and  
Experimental Design  
BIOL 441 Cell Biology  
CHEM 330 Quantitative Analysis  
CHEM 341 Organic Chemistry  
CHEM 342 Organic Chemistry  
CHEM 360 Elements of Biochemistry  
CHEM 411 Physical Chemistry  
CHEM 421 Physical Chemistry Lab  
ENGL 410 Technical & Scientific Writing  
MATH 146 Applied Calculus  
MATH 165 Calculus I  
MATH 166 Calculus II  
MATH 321 Applied Probability & Statistics  
PHYS 161 Introductory College Physics I  
PHYS 162 Introductory College Physics II  
PSYC 250 Developmental Psychology  
PSYC 370 Abnormal Psychology

Total General Education 39 Hrs
Total Major Requirement 52 Hrs
Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements see pages 39-40.

Department Chair
Andre DeLorme, Ph.D.,
Rhoades Science Center 203D
(701) 845-7573
History Education

MAJOR
This degree is originally designed for public school teaching positions; fortunately it opens up opportunities for various career opportunities. The teaching degrees are often recommended to students interested in history because they will increase marketability once completed. The history curriculum encompasses a wide range of areas: European, American, World, Non-Western, and special topics such as Environmental history and Women’s history. The History Education degree is foundational for those who might want to go on to graduate school or advance to other positions in related fields such as government, travel, business, research, media or publishing. Each student works with an academic advisor to design a program of study. The department also provides activities and opportunities for students to present papers at professional conferences and hands-on experience in history.

LEARNING OUTCOMES

1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.

2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.

3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

ABILITIES

Communication
Written and Spoken

Aesthetic Engagement
Receptivity

Problem Solving
Research and Creative/Critical Thinking

Global Awareness
Works with Diversity

For degree and graduation requirements see pages 39-40.

Department Chair
Steven King, D.A.
McFarland 322D
(701) 845-7108

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOI 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 3 Hrs
(Course one course)
CIS 170 Intro to Computer Info Systems
OSCI 127 Intro Java; OSCI 160 Intro Struct

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psy
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness
or
ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2);
MUS 131 (1), MUS 141 (1); THEA 201 (1-3)

Required Courses 24 Hours

HIST 103 U.S. to 1877 3
HIST 104 U.S. to Present 3
HIST 211 World Civilizations to 1500 3
HIST 212 World Civilizations Since 1500 3
HIST 220 North Dakota History 3
HIST 400 Historiography 3
HIST 470 Topics in Non-Western History 3
HIST 490 Methods of Tchg Soc Science 3

Cognate 12 Hrs
Select one (1).

Economics Cognate 12 Hrs
ECON 201 Prin of Microeconomics * 3
ECON 202 Prin of Macroeconomics * 3
ECON 261 Business Statistics 3
ECON 314 History of Economic Thought 3
ECON 350 Money & Banking 3
ECON 460 The Atlantic World 3

Geography Cognate 12 Hrs
GEOG 100 Intro to Earth Science 4
GEOG 111 Survey of Geography * 2
GEOG 151 Human Geography * 3
GEOG 300 Environ Earth Science 4
GEOG 320 Applied Geography Wkshp 1
GEOG 325 Hist & Geog of Eng & Britain 3
GEOG 345 Hist & Geog Spain & Lat Am 3
GEOG 362 Geography of N. America 3
GEOG 365 Russia & Her Neighbors 3
GEOG 394 Field Mthds in Earth Science 1-4
GEOG 460 The Atlantic World 3
GEOG 492 Field Experience in Geog 4

Political Science Cognate 12 Hrs
POLS 115 American National Govt * 3
POLS 116 State and Local Govt * 3
POLS 303 Canadian Govt & Politics 3
POLS 340 Research Methods 3
POLS 375 The US Constitution: Federalism 3
POLS 376 The US Constitution: Civil Lib 3
POLS 330 Understanding Statistics 3
POLS 380 The American Presidency 3

Sociology Cognate 12 Hrs
SOC 110 Introduction to Sociology * 3
SOC 111 Introduction to Anthropology * 3
SOC 220 The Family 3
SOC 300 Race, Ethnic, & Gender Rel 3
SOC 330 Understanding Statistics 3
SOC 340 Research Methods 3
SOC 390 Criminology & Delinquency 3
SOC 422 Social Science Theory 3
### Professional Education Sequence  31-32 Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUC 240</td>
<td>Educating Exceptional Students</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 250</td>
<td>Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 283</td>
<td>Understanding Cult Div in Educ</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300</td>
<td>Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 352</td>
<td>Culturally Diverse Practicum</td>
<td>1</td>
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<tr>
<td>or EDUC 464</td>
<td>Pract in ELL Classroom</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 351</td>
<td>Sec Practicum &amp; Clsrn Mngr</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 375</td>
<td>Tchg Rdg in Content Areas</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 400</td>
<td>Educational Psychology</td>
<td>2**</td>
</tr>
<tr>
<td>EDUC 450</td>
<td>Trends in Assess &amp; Educ Issues</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 480</td>
<td>Student Teaching (Sec)</td>
<td>10**</td>
</tr>
<tr>
<td>PSYC 250</td>
<td>Developmental Psychology</td>
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</table>

**Courses to be taken the same semester**

### Directed Electives  9 Hrs

#### The Americas  6 Hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 260</td>
<td>Women in America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 267</td>
<td>Environmental History</td>
<td>3</td>
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<tr>
<td>HIST 270</td>
<td>Native American History</td>
<td>3</td>
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<tr>
<td>HIST 300</td>
<td>Race, Ethnic, &amp; Gender Rel</td>
<td>3</td>
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<tr>
<td>HIST 320</td>
<td>History of the American West</td>
<td>3</td>
</tr>
<tr>
<td>HIST 330</td>
<td>Hist Civil War Era (1850-1877)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 375</td>
<td>The U.S. Constitution: Feder</td>
<td>3</td>
</tr>
<tr>
<td>HIST 376</td>
<td>The U.S. Constitution: Civil Lib</td>
<td>3</td>
</tr>
<tr>
<td>HIST 380</td>
<td>The American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>HIST 385</td>
<td>History of Canada</td>
<td>3</td>
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<tr>
<td>HIST 450</td>
<td>History of the U.S. Since 1950</td>
<td>3</td>
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</tbody>
</table>

#### The World  3 Hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 314</td>
<td>Hist of Economic Thought</td>
<td>3</td>
</tr>
<tr>
<td>HIST 321</td>
<td>Hist Ancient Greece &amp; Rome</td>
<td>3</td>
</tr>
<tr>
<td>HIST 325</td>
<td>Hist &amp; Geog of Eng &amp; Britain</td>
<td>3</td>
</tr>
<tr>
<td>HIST 345</td>
<td>Hist &amp; Geog of Spain &amp; Lat Am</td>
<td>3</td>
</tr>
<tr>
<td>HIST 365</td>
<td>Russia &amp; Her Neighbors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 454</td>
<td>Renaissance/Reformation</td>
<td>3</td>
</tr>
<tr>
<td>HIST 460</td>
<td>The Atlantic World</td>
<td>3</td>
</tr>
<tr>
<td>HIST 465</td>
<td>The Contemporary World</td>
<td>3</td>
</tr>
</tbody>
</table>

* Required course
+ Required for Minnesota certification

### Total General Education  39 Hrs

### Total Major Requirement  45 Hrs

### Total Professional Ed Sequence  31-32 Hrs

### Total Credits Needed to Graduate  120 Hrs
MAJOR
Your experience here will be both enriching and challenging. The History curriculum offers broad experience in U.S., European, World history, as well as opportunities to study the history of minority groups and specialized courses such as Environmental history. The study of history sharpens a student’s own sense of values, provides a context for present decision making, and cultivates a more compassionate attitude toward peoples whose way of life may be different from yours. Theory and techniques are also important elements to the degree. History is a non-teaching degree designed to place the history student in a variety of careers, or to prepare the history student for advanced and specialized graduate study. We will work with and prepare you as our students who might desire to go on to graduate school.

LEARNING OUTCOMES
1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.
2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.
3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

ABILITIES
Communication
Written and Spoken
Problem Solving
Research and Creative/Critical Thinking
Global Awareness
Works with Diversity

For degree and graduation requirements see pages 39-40.

Department Chair
Steven King, D.A.
McFarland 322D
(701) 845-7108

General Education Requirements 39 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking or COMM 212 Interpersonal Comm or COMM 216 Intercultural Comm

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 3 Hrs (Select one course)
CIS 170 Intro to Computer Info Systems; CSCI 127 Intro Java; CSCI 160 Intro Struct

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock ‘n Roll

Global Awareness & Effective Citizen 6 Hrs (Select two courses)
COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psych
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

Required Courses 24 Hours
HIST 103 U.S. to 1877 3
HIST 104 U.S. to Present 3
HIST 211 World Civilizations to 1500 3
HIST 212 World Civilizations Since 1500 3
HIST 220 North Dakota History 3
HIST 400 Historiography 3
HIST 470 Topics in Non-Western History 3
Additional 3 credit course with HIST prefix numbered 300 or above.

Directed Electives 18 Hrs

*3 credits must be from 300 level or above

The Americas 6 Hrs
HIST 260 Women in America 3
HIST 267 Environmental History 3
HIST 270 Native American Studies 3
HIST 300 Race, Ethnic, & Gender Rel 3
HIST 320 History of the American West 3
HIST 330 Hist Civil War Era (1850-1877) 3
HIST 375 The U.S. Constitution: Federal 3
HIST 376 The U.S. Constitution: Civil Lib 3
HIST 380 The American Presidency 3
HIST 385 History of Canada 3
HIST 450 History of the U.S. Since 1950 3

The World 3 Hrs
HIST 314 History of Economic Thought 3
HIST 321 Hist of Ancient Greece & Rome 3
HIST 325 Hist & Geog of England & G Brit 3
HIST 345 Hist & Geog of Spain & Lat Am 3
HIST 365 Russia & Her Neighbors 3
HIST 454 Renaissance/Reformation 3
HIST 460 The Atlantic World 3
HIST 465 The Contemporary World 3

Social Science 9 Hrs
ECON 201 Principles of Microeconomics 3
ECON 202 Principles of Macroeconomics 3
ECON 314 History of Economic Thought 3
ECON 460 The Atlantic World 3
GEOG 100 Introduction to Earth Science 3
GEOG 150 Principles of Geography 3
GEOG 300 Environmental Earth Science 3
GEOG 362 Geography of N. America 3
GEOG 460 The Atlantic World 3
POLS 115 American National Government 3
POLS 116 State and Local Government 3
POLS 303 Canadian Govt & Politics 3
SOC 110 Introduction to Sociology 3
SOC 111 Introduction to Anthropology 3
SOC 200 The Family 3
SOC 300 Race, Ethnic, & Gender Rel 3
SOC 390 Criminology & Delinquency 3

Total General Education 39 Hrs
Total Major Requirement 42 Hrs
Total Credits Needed to Graduate 120 Hrs
Human Services - General Human Services Concentration

MAJOR

The Human Services major prepares graduates to meet the growing demand for human service workers, whose occupations encompass a broad range of helping professions as case managers, advocates, volunteer coordinators, human resource specialists, paraeducators, fundraisers, and youth workers. The major is well suited for those who have a strong desire to help and care for the well-being of others, and desire to improve the quality of life for individuals. The program draws from an interdisciplinary knowledge base in communications, sociology, and psychology to provide and overall understanding of the field. The curriculum is designed to provide a comprehensive understanding of human behavior and combines theory and practice with a professional internship. Students develop communication, analytical, and problem solving skills necessary to function as a human services professional.

LEARNING OUTCOMES

1. Content: Students will accumulate an understanding of the interaction between individual and societal forces, and why knowledge of social and historical context, norms, institutions, and inequalities are important to human services.

2. Social Theory and Critical Evaluation: Students will develop an understanding of how philosophies, methodologies, and theories define, give meaning to, and shape scholarly and applied understanding of the social sciences. In addition, human services students should understand how theory and research may relate to applied settings.

3. Application: Students will demonstrate their knowledge of content and social theory by illustrating that they can utilize it in real world experiences and applied settings.

ABLETIES

Communication

Written and Spoken

Aesthetic Engagement

Receptivity

Problem Solving

Research and Creative/Critical Thinking

Global Awareness

Works with Diversity

For degree and graduation requirements see pages 39-40.

Department Chair

Steven King, D.A.

McFarland 322D

(701) 845-7108

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs

ENGL 110 College Composition I

ENGL 120 College Composition II

or ENGL 125 Intro to Professional Writing

COMM 110 Fund of Public Speaking

or COMM 212 Interpersonal Comm

or COMM 216 Intercultural Comm

Problem Solving 11 Hrs

Mathematics - 3 crs (Select one course)

MATH 103 College Algebra

MATH 104 Finite Mathematics

MATH 107 Precalculus

MATH 165 Calculus I

Lab Science - 8 crs (Select two courses)

Biol 111, 150, 151, 170, 220, 221

CHEM 115, 116, 121, 122

GEOL 100, 106

PHYS 100, 110, 161, 162, 251, 252

TECH 161

Technology (Select one course) 3 Hrs

CIS 170 Intro to Computer Info Systems

or CSCI 127 Intro to Programming in Java

or CSCI 160 Intro to Structured Programming I

Wellness

HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs

Literacies - 3 crs (Select one course)

ENGL 220, 225, 241, 242, 261, 262

HUM 201 Civil, Thought, & Lit Heritage

SPAN 201 2nd Yr I; SPAN 202 2nd Yr II

THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music - 3 crs (Select one course)

ART 110 Introduction to Visual Arts

HUM 202 Fine Arts & Aesthetics

MUS 100 Music Appreciation

MUS 101 Music Fundamentals

MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs

(Select two courses)

COMM 112 Under Media; COMM 114 Human;

ECON 201 Prin Micro; ECON 202 Prin Macro

GEOG 151 Human Geog

HIST 103, 104, 211, 212, 260, 267, 270

POLS 115 Amer Gov; POLS 116 State Gov

PSYC 111 Intro Psych

SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs

Select one additional course from the area of Aesthetic Engagement or Global Awareness or

ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

Required Courses 45-54 Hours

COMM 311 Communication & Interviewing 3

MGMT 330 Principles of Management 3

MGMT 430 Organizational Behavior 3

PSYC 250 Developmental Psychology 3

PSYC 360 Group Dynamics 3

PSYC 410 Mental Health 3

PSYC 450 Personality Theories 3

PSYC 470 Counseling Theory & Practice 3

SOC 110 Introduction to Sociology ** 3

SOC 130 Introduction to Human Services 3

SOC 220 The Family 3

SOC 300 Race, Ethnic, & Gender Rel 3

SOC 340 Research Methods 3

SOC 415 Introduction to Human Services 3

SOC 422 Social Science Theory 3

SOC 497 Behavior Science Internship 3-12

** Prerequisite for any 200, 300, or 400 level SOC course

Electives 21 Hrs

POLS 116 State & Local Government 3

COMM 212 Interpersonal Communication 3

COMM 216 Intercultural Communication 3

COMM 312 Gender Communication 3

COMM 314 Public Relations 3

COMM 483 Organizational Comm 3

ECON 261 Business Statistics 3

ENGL 410 Technical & Scientific Writing 3

HPER 101 First Aid & CPR 1

HPER 300 Drug Education & Info 2

HPER 380 Human Sexuality 2

MGMT 425 Human Resources Mgmt 3

MGMT 426 Comp & Benefits Admin 3

POL 115 American National Govt 3

POL 303 Canadian Govt & Politics 3

POL 376 U.S. Constitution: Civil Lib 3

PSYC 305 Social Psychology 3

PSYC 370 Abnormal Psychology 3

SOC 111 Introduction to Anthropology 3

SOC 251 Introduction to Gerontology 3

SOC 270 Native American Studies 3

SOC 330 Understanding Statistics 3

SOC 390 Criminology & Delinquency 3

SOC 499 Special Topics 1-3

Total General Education 39 Hrs

Total Major Requirement 66-75 Hrs

Total Credits Needed to Graduate 120 Hrs
Human Services - Criminal Justice Concentration
Composite Major

MAJOR
The Criminal Justice concentration in the Human Services major prepares graduates to find gainful employment in a variety of state and federal law enforcement fields that include law and probation officers, security officers, game wardens, correctional officers, and detective work. The major combines courses from various social science disciplines to provide a multidisciplinary understanding of human behavior and the political, organizational, social, and behavior aspects of its various components. The Criminal Justice Concentration focuses on the sources of criminal behaviors, including perspectives and contributions from criminology, psychology, and sociology. The curriculum is designed to develop critical thinking, analytical and research skills to enable students to identify and assess the often conflicting objectives of criminal justice and investigate basic issues and practical problems in criminology and the administration of criminal justice.

LEARNING OUTCOMES
1. Content: Students will accumulate an understanding of the interaction between individual and societal forces, and why knowledge of social and historical context, norms, institutions, and inequalities are important to human services.
2. Social Theory and Critical Evaluation: Students will develop an understanding of how philosophies, methodologies, and theories define, give meaning to, and shape scholarly and applied understanding of the social sciences. In addition, human services students should understand how theory and research may relate to applied settings.
3. Application: Students will demonstrate their knowledge of content and social theory by illustrating that they can utilize it in real world experiences and applied settings.

ABILITIES
Communication
Written and Spoken
Aesthetic Engagement
Receptivity
Problem Solving
Research and Creative/Critical Thinking
Global Awareness
Works with Diversity

For degree and graduation requirements see pages 39-40.

Department Chair
Steven King, D.A.
McFarland 322D
(701) 845-7108

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Writing
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOG 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 3 Hrs
(Select one course)
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Struc

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 10 Intro Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock ‘n’ Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psy
SOC 110 Intro to Soci; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

Required Courses 45-54 Hours
COMM 311 Communication & Interviewing 3
MGMT 330 Principles of Management 3
MGMT 430 Organizational Behavior 3
PSYC 250 Developmental Psychology 3
PSYC 360 Group Dynamics 3
PSYC 410 Mental Health 3
PSYC 450 Personality Theories 3
PSYC 470 Counseling Theory & Practice 3
SOC 110 Introduction to Sociology ** 3
SOC 130 Introduction to Human Services 3
SOC 220 The Family 3
SOC 300 Race, Ethnic, & Gender Rel 3
SOC 340 Research Methods 3
SOC 422 Social Science Theory 3
SOC 497 Behavior Science Internship 3-12

Criminal Justice Concentration 21 Hrs
COMM 216 Intercultural Comm 3
OR COMM 314 Public Relations 3
SOC/POLS 252 Intro Criminal Justice 3
POLS 115 American Nati Gov 3
OR POLS 116 State and Local Government 3
POLS 376 U.S. Constitution: Civil Lib 3
PSYC 370 Abnormal Psychology 3
SOC 390 Criminology and Delinquency 3
SOC/PYS 416 Corrections: Inst. & Comm 3

Total General Education 39 Hrs
Total Major Requirement 66-75 Hrs
Total Credits Needed to Graduate 120 Hrs
Mathematics

MAJOR
Mathematics is the foundation for all science, technology and engineering. It is an interesting major in its own right. Mathematical sophistication is a fundamental skill for a technical society like ours. Mathematics is a major that leads to careers in business, industry and government as well as graduate study in a large variety of disciplines. There is plentiful demand in the job market for individuals skilled in mathematics. This major follows the guidelines of the committee on undergraduate programs in Mathematics established by the Mathematical Association of America.

LEARNING OUTCOMES
1. Students will understand the classical fundamental and foundational theories of modern mathematics.
2. Students will understand the definition of a mathematical concept, and explain it using concrete examples.
3. Students will use computational skills to theoretically carry out variations of an equation and/or proposition.
4. Students will use logical reasoning skills to understand or provide proof of a proposition.
5. Students will formulate and solve mathematical problems and explain an obtained result to others logically, concisely, and precisely.

ABILITIES
Problem Solving
Obtain, organize, and interpret information to provide creative, critical solutions

Collaboration
Ability to work with others

Global Awareness
Recognize relationships

Communication
Ability to convey information and knowledge

Technology
Use, understand, and implement to provide solutions in an information society.

For degree and graduation requirements see pages 39-40.

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>40 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication &amp; Collaboration</td>
<td>9 Hrs</td>
</tr>
<tr>
<td>ENGL 110 College Composition I</td>
<td></td>
</tr>
<tr>
<td>ENGL 120 College Composition II</td>
<td></td>
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<tr>
<td>or ENGL 125 Intro to Professional Writing</td>
<td></td>
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<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td></td>
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<tr>
<td>or COMM 212 Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>or COMM 216 Intercultural Communication</td>
<td></td>
</tr>
</tbody>
</table>

Problem Solving
Mathematics - 4 crs (Select one course)
MATH 165 Calculus I *
Lab Science - 8 crs (Select two courses)
Encouraged to take Chemistry or Physics
Biol 111, 150, 151, 170, 220, 221
Chem 115, 116, 121, 122
Geol 100, 106
Phys 100, 110, 161, 162, 251, 252
Tech 161

Technology
3 Hrs
CIS 170 Intro to Computer Info Systems * 3

Wellness
2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement
6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 261, 262
Hum 201 Civil, Thought, & Lit Heritage
Span 201 2nd Yr I; Span 202 2nd Yr II
Thea 110 Intro Theatre; Thea 161 Acting I
Art & Music - 3 crs (Select one course)
Art 110 Introduction to Visual Arts
Hum 202 Fine Arts & Aesthetics
Mus 100 Music Appreciation
Mus 101 Music Fundamentals
Mus 207 History of Rock ‘n Roll
Global Awareness & Effective Citizen
6 Hrs
(Select two courses)
Comm 112 Under Media; Comm 114 Human;
Econ 201 Prin Micro; Econ 202 Prin Macro
Geog 151 Human Geog
Hist 103, 104, 211, 212, 260, 267, 270
Pols 115 Amer Gov; Pols 116 State Gov
PsyC 111 Intro Psych
Soc 110 Intro to Soc; Soc 111 Intro Anthro

Additional General Education
2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness
or
Art 112 (3), Art 231 (3), Art 281 (3), Geog 111 (2), Mus 104 (1), Mus 105 (1), Mus 131 (1), Mus 141 (1), Phys 275 (1), Thea 201 (1-3)

Required Courses
29 Hours
MATH 166 Calculus II 4
MATH 265 Calculus III 4
MATH 266 Intro to Differential Equations 3
MATH 300 Symbolic Logic 1
MATH 330 Linear Algebra & Matrices 3
MATH 331 Euclidian Geometry & Topics 3
MATH 340 Algebraic Structures I 4
MATH 410 Real Analysis I 3
MATH 421 Mathematical Prob & Stats I 3
MATH 491 Senior Portfolio 1

Directed Electives
9 Hrs
Csci 127 Intro to Programming in Java 3
Csci 160 Intro Struc Programming I 3
Csci 161 Intro Structured Programming II 3
Csci 365 Programming Language Topics 3
MATH 208 Discrete Mathematics 3
MATH 312 College Geometry II 3
MATH 400 History & Philosophy of Math 3
MATH 412 Ordinary Differential Equations 3
MATH 413 Partial Differential Equations 3
MATH 422 Probability and Statistics II 3
MATH 430 Complex Analysis 3

To be admitted to a major program in Mathematics the student must successfully complete either MATH 103 and MATH 105 with a 2.0 average or better or four years of high school mathematics. Approval of the Mathematics Department is also required.

Total General Education 40 Hrs
Total Major Requirement 38 Hrs
Total Credits Needed to Graduate 120 Hrs

Department Chair
Preston Bush Ph.D
Rhoades Science Center 104F
(701) 845-7151
Mathematics Education

MAJOR
Teaching mathematics can be an interesting and rewarding career choice. Strong demand continues for teachers in mathematics. In recent years, most math education students have been under contract with a school district prior to graduation. Also, math education majors are often sought by employers outside of education who recognize that students successfully completing a math education degree possess strong analytical skills, people skills, and activity management skills. These characteristics are sought by government, industry, and business.

LEARNING OUTCOMES
The following outcomes are based on the North Dakota Education Standards and Practices Board State Program Approval Standards.

1. Students will demonstrate the ability to make mathematical connections and properly use mathematical problem solving, reasoning, communication, and representation.
2. Students will demonstrate an understanding of both secondary school mathematics and core college mathematics including the history and philosophy of math and basic computer programming.
3. Students will demonstrate appropriate use of technology and concrete materials for building understanding of mathematical concepts.
4. Students will demonstrate the ability to use a variety of teaching methods and assessment strategies.

ABILITIES
Problem Solving
Obtain, organize, and interpret information to provide creative, critical solutions

Collaboration
Ability to work with others

Global Awareness
Recognize relationships

Communication
Ability to convey information and knowledge

Technology
Use, understand, and implement to provide solutions in an information society.

For degree and graduation requirements see pages 39-40.

General Education Requirements 40 Hrs

Communication & Collaboration 9 hrs

ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 12 hrs

Mathematics - 4 crs (Select one course) MATH 165 Calculus I* 4
Lab Science - 8 crs (Select two courses) Encouraged to take Chemistry or Physics
Biol 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course) 3 hrs

CSI 127 Intro to Programming in Java *
CSI 160 Intro to Structured Programming *

Wellness 2 hrs

HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 hrs

Literacies - 3 crs (Select one course) ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 hrs

(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psy **
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 hrs

Select one additional course from the area of Aesthetic Engagement or Global Awareness
or
ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)
*Required
**Required as pre-requisite for PSYC 250

Required Courses 40 Hrs

MATH 105 Trigonometry 2
MATH 166 Calculus II 4
MATH 265 Calculus III 4
MATH 266 Intro to Differential Equations 3
MATH 300 Symbolic Logic 1
MATH 330 Linear Algebra & Matrices 3
MATH 331 Euclidean Geometry & topics 3
MATH 340 Algebraic Structures I 4
MATH 390 PCK for Sec School Math 3
MATH 400 History & Philosophy of Math 3
MATH 410 Real Analysis 3
MATH 421 Mathematical Prob & Stats I 3
MATH 490 Teaching Sec School Math 3
MATH 491 Senior Portfolio 1

Professional Education Sequence 31-32 Hrs

EDUC 240 Educating Exceptional Stdnts 2
EDUC 250 Introduction to Education 3
EDUC 283 Understing Cult Div in Educ 3
EDUC 300 Educational Technology 2
EDUC 352 Culturally Diverse Practicum 1
or EDUC 464 Pract in ELL Classroom 2
EDUC 351 Sec Practicum & Clsrn Mngt 1
EDUC 375 Tchg Rdg in Content Areas 2
EDUC 400 Educational Psychology 2***
EDUC 450 Trends in Assess & Educ Issues 2
EDUC 480 Student Teaching (Sec) 10***
PSYC 250 Developmental Psychology 3
***Courses to be taken the same semester

Total General Education 40 Hrs

Total Major Requirement 40 Hrs

Total Professional Ed Sequence 31-32 Hrs

Total Credits Needed to Graduate 120 Hrs

Department Chair
Preston Bush Ph.D
Rhoades Science Center 104F
(701) 845-7151
Medical Laboratory Science
Composite Major

MAJOR
This is a major in collaboration with UND. Students take three years of classes through VCSU, move to UND for one summer and then move to clinical laboratory in a hospital for their senior year. Students will receive the MLS degree from VCSU and a certificate from UND.

LEARNING OUTCOME
Increasing student scientific literacy to meet professional employment goals and enhance personal understanding of the impact of science upon their lives.

ABILITIES

Problem Solving
Obtain, organize, and interpret information to provide creative, critical solutions

Collaboration
Ability to work with others

Global Awareness
Recognize relationships

Communication
Ability to convey information and knowledge

Technology
Use, understand, and implement to provide solutions in an information society.

General Education Requirements 39 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
   MATH 103 College Algebra* 3
Lab Science - 8 crs (Select two courses)
Encouraged to take Chemistry or Physics
BIOL 150 General Biology I*
CHEM 121 General Chemistry I*

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Programming I 3

Wellness
HPER 100 Concepts Fitness & Wellness 2 hrs

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
   ENGL 220, 225, 241, 242, 261, 262
   HUM 201 Civil, Thought, & Lit Heritage
   SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
   THEA 110 Intro Theatre; THEA 161 Acting I
   ART & Music - 3 crs (Select one course)
   ART 110 Introduction to Visual Arts
   HUM 202 Fine Arts & Aesthetics
   MUS 101 Music Fundamentals
   MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 111 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psyc (suggested)
SOC 110 Intro to Soc (suggested)
SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness or
   ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

*Required

Required Courses 43 Hours
BIOL 151 General Biology II 4
BIOL 220 Anatomy and physiology I 4
BIOL 221 Anatomy and physiology II 4
BIOL 310 Microbiology 4
BIOL 441 Cell Biology 4
   -or- Chem 260 Elements of Biochemistry 4
Chem 122 General Chemistry II 5
Chem 341 Organic Chemistry I 5
MGMT 330 Principles of Management 3
MLS 234 Human paracitology 2
MLS 301 Immunology 3
MLS 325/325L Hematology & lab 4
MLS 336 Laboratory Calculations 1

Directed Electives 6 Hrs
   BIOL 315 Genetics 3
   Chem 330 Analytical Chemistry I 4
   Chem 342 Organic Chemistry II 5
   Math 165 Calculus I 4
   MLS 394 Medical microbiology 2

Certificate 37 Hrs
   MLS certificate at UND. Students are required to spend the summer of their senior year at UND and their senior year in a hospital based clinical laboratory
   MLS 471 Clinical Chemistry I 2
   MLS 472 Pre-analytical Skills 1
   MLS 473 Clinical Hemostasis I 2
   MLS 474 Clinical Urinalysis I 2
   MLS 477 Clinical Immunohematology I 1
   MLS 477L Clinical Immunohematology I Lab 1
   MLS 478 Clinical Microbiology I 2
   MLS 479 Clinical Hematology I 2
   MLS 480 Clinical Immunohematology II 2
   MLS 481 Clinical Chemistry II 2
   MLS 483 Clinical Hemostasis II 1
   MLS 484 Clinical Microbiology II 2
   MLS 485 Clinical Urinalysis II 1
   MLS 487 Medical Mycology 1
   MLS 488 Clinical Hematology II 2
   MLS 489 Clinical Body Fluids 1
   MLS 490 Financial & Quality Management of the Clinical Laboratory 3
   MLS 491 Clinical Chemistry III 2
   MLS 492 Clinical Immunohematology III 2
   MLS 494 Clinical Immunology 1
   MLS 495 Clinical Microbiology III 2
   MLS 498 Clinical Hematology III 2

Total General Education 39 Hrs
Total Major Requirement 86 Hrs
Total Credits Needed to Graduate 124 Hrs

For degree and graduation requirements see pages 39-40.

Department Chair
Andre DeLorme, Ph.D.
Rhoades Science Center 203D
(701) 845-7573
Music - Music Education
Composite Major

Major
Opportunities for performance and liberal studies through the Bachelors Degree in Music.
- Performance at the highest possible level of ability
- Broad understanding of music within the context of a liberal arts education
- Contribution to cultural environment of campus and community.

LEARNING OUTCOMES
1. Ability to perform musically
2. Ability to analyze music using a theoretical perspective
3. Ability to interpret music using correct historical and stylistic elements
4. Ability to collaborate well with others
5. Ability to practice North Dakota Teachers Content Standards with proficiency

ABILITIES
Aesthetic Engagement  To develop an increased understanding and appreciation of creative human endeavor.
Collaboration  To work together to reach a common goal.
Communication  To convey thoughts, ideas, data, information, and messages effectively.
Problem Solving  To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

- The student must achieve a grade of C or better in each of the specified courses.
- After completing two semesters of Applied Music on each level and demonstrating acceptable proficiency the student may register for the next level of applied lessons.
- The student must continue enrollment in applied lessons until successful completion of a senior recital.
- The student is required to continue enrollment in Class or Applied Piano until successful completion of the Piano Proficiency Examination required of students in this program.
- The student is required to enroll in MUS 200 Concert Attendance (0 credits) every semester.
- Application required for entry into program: application form, audition, program plan.

For degree and graduation requirements see pages 39-40.

Department Chair
Christopher Redfearn, D.A.
Foss Hall 112
(701) 845-7377

General Education Requirements  39 Hours

Communication & Collaboration  9 Hours
ENGL 110 College Composition I  3
ENGL 120 College Composition II  3
- or - ENGL 125 Intro to Professional Writing  3
COMM 110 Fund of Public Speaking  3
- or - COMM 212 Interpersonal Comm  3
- or - COMM 216 Intercultural Comm  3

Problem Solving  11 Hrs
Mathematics (Select one course)  3 Hrs
MATH 103 College Algebra  3
MATH 104 Finite Mathematics  3
MATH 107 Precalculus  3
MATH 165 Calculus I  4
Lab Science (Select two courses)  8 Hrs
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOG 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology (Select one course)  2 Hrs
CIS 170 Intro to Computer Info Systems  3
CSCE 127 Intro to Programming in Java  3
CSCE 160 Intro Structured Programming I  3

Wellness  2 Hrs
HPER 100 Concepts Fitness & Wellness  2

Aesthetic Engagement  6 Hrs
Literacies (Select one course)  3 Hrs
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage  3
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II  3
THEA 110 Intro Theatre; THEA 161 Acting I  3
Art & Music (Select one course)  3 Hrs
ART 110 Introduction to Visual Arts  3
HUM 202 Fine Arts & Aesthetics  3
MUS 100 Music Appreciation  3
MUS 101 Music Fundamentals  3
* MUS 207 History of Rock ‘n’ Roll  3

Global Awareness & Effective Citizen  6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psy
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education  2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2); MUS 104 (1), MUS 105 (1), MUS 130 (0-1), MUS 131 (1), MUS 140 (0-1), MUS 141 (1); THEA 201 (1-3)

* if taking MUS 207 as general education credit cannot take as an elective

Required Courses  48 Hours
MUS 103 Intro to Music Technology  1
MUS 109 Music Theory I  3
MUS 110 Music Theory II  3
MUS 121 Aural Skills I  1
MUS 122 Aural Skills II  1
MUS 201 Music Theory III  3
MUS 202 Music Theory IV  3
MUS 203 Aural Skills III  1
MUS 204 Aural Skills IV  1
MUS 212 Class Piano  1
or MUS 213 Class Piano  1
MUS 301 Scoring & Arranging  2
MUS 331 Music History & Literature  3
MUS 332 Music History & Literature  1
MUS 333 Music History & Literature  3
MUS 390 Music in the Elementary School  3
MUS 490 Music in Jr & Sr High School  3
MUS 491 Portfolio  1
100-Level Applied Music * (2 semesters)  2
200-Level Applied Music * (2 semesters)  4
300-Level Applied Music * (2 semesters)  4
Senior Recital * (1 semester)  2

Directed Electives  3 Hrs
Applied Lessons & Primary instrument/voice
MUS 102 Intro to Digital Audio Recording  3
MUS 111 Class Piano  1
MUS 112 Class Piano  1
MUS 120 Composition I  1
MUS 131 Concert Choir  0-1
MUS 132 University Singers  0-1
MUS 133 Opera Ensemble  1
MUS 134 Piano Ensembles  1
MUS 135 Accompanying  1
MUS 141 Concert Band  0-1
MUS 142 Jazz Ensemble  0-1
MUS 144 Percussion Ensemble/Steel Drum Band  1
MUS 145 Brass Ensemble  1
MUS 146 Woodwind Ensemble  1
MUS 170 Jazz Improvisation  1-2
MUS 207 History of Rock ‘n’ Roll  3
MUS 209 Adv Recording & Mastering  2
MUS 211 Class Piano  1
MUS 220 Composition II  1
MUS 231 Diction I  1
MUS 232 Diction II  1
MUS 233 Diction  2
MUS 302 Advanced Scoring & Arranging  2
MUS 303 Instrumental Conducting & Lit  2
- or - MUS 304 Choral Conducting & Lit  2
MUS 309 Music Industry Seminar  3
MUS 320 Composition III  1-2
MUS 325 Vocal Methods  1
MUS 320 Composition III  1
MUS 378 Applied Pedagogy  3
MUS 379 Piano Pedagogy  3
MUS 397 VCSU CSA Internship  1
## Music - Music Education continued

### Composite Major

<table>
<thead>
<tr>
<th>Professional Ed Sequence</th>
<th>31-32 Hrs</th>
<th>OPTIONS</th>
<th>15-28 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 240 Educating Exceptional Students</td>
<td>2</td>
<td>Certification K-12 Vocal-Instrumental</td>
<td>28 Hours</td>
</tr>
<tr>
<td>EDUC 250 Introduction to Education</td>
<td>3</td>
<td>(5 year program) Primary Ensemble MUS 131 Concert Choir/MUS</td>
<td>8</td>
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<tr>
<td>EDUC 283 Underst Cultural Diversity in Ed</td>
<td>3</td>
<td>141 Concert Band (8 semesters)</td>
<td>4</td>
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<tr>
<td>EDUC 300 Educational Technology</td>
<td>2</td>
<td>Secondary Ensemble MUS 131 Concert Choir/MUS</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 352 Culturally Diverse Practicum</td>
<td>1</td>
<td>MUS 131 Concert Choir/MUS 141</td>
<td>1</td>
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<tr>
<td>-or- EDUC 464 Practicum in ELL Classroom</td>
<td>2</td>
<td>141 Concert Band (4 semesters)</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 351 Sec Practicum &amp; Clasm Mgmt</td>
<td>1</td>
<td>MUS 231 Diction for Singers I</td>
<td>1</td>
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<tr>
<td>EDUC 375 Tch Rdng in the Content Areas</td>
<td>2</td>
<td>MUS 232 Diction for Singers II</td>
<td>1</td>
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<tr>
<td>EDUC 400 Educational Psychology</td>
<td>2</td>
<td>MUS 303 Instrumental Conducting &amp; Lit</td>
<td>2</td>
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<tr>
<td>EDUC 450 Trends in Assess &amp; Ed Issues</td>
<td>2</td>
<td>MUS 304 Choral Conducting &amp; Literature</td>
<td>2</td>
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<tr>
<td>EDUC 480 Student Teaching (Sec)</td>
<td>10</td>
<td>MUS 321 Percussion Methods</td>
<td>1</td>
</tr>
<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
<td>MUS 322 Brass Methods</td>
<td>1</td>
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<tr>
<td>** Courses to be taken the same semester.</td>
<td></td>
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<td>* Students seeking K-12 certification will be placed in an Elementary and Secondary classroom setting.</td>
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</tbody>
</table>

**Certification K-12 Vocal Music**

(4 year program)

- MUS 131 Concert Choir (7 semesters) | 7 |
- MUS 151 Applied Piano | 1 |
- MUS 153 Accompanying | 1 |
- MUS 231 Diction for Singers I | 1 |
- MUS 232 Diction for Singers II | 1 |
- MUS 304 Choral Conducting & Literature | 2 |
- MUS 325 Vocal Methods | 1 |
- MUS 326 Guitar Methods | 1 |

**Certification K-12 Instrumental Music**

(4 year program)

- MUS 141 Concert Band (7 semesters) | 7 |
- MUS 170 Voice Class | 1 |
- MUS 303 Instrumental Conducting & Lit | 2 |
- MUS 321 Percussion Methods | 1 |
- MUS 322 Brass Methods | 1 |
- MUS 323 Woodwind Methods | 1 |
- MUS 324 String Methods | 1 |
- MUS 326 Guitar Methods | 1 |

**Total General Education** | **39 Hrs** |
**Total Major Requirement** | **79 Hrs** |
**Total Professional Ed Sequence** | **31-32 Hrs** |
**Total Credits Needed to Graduate** | **149-150 Hrs**
Music

Composite Major

Major
Opportunities for performance and liberal studies through the Bachelors Degree in Music.
• Performance at the highest possible level of ability
• Broad understanding of music within the context of a liberal arts education
• Contribution to cultural environment of campus and community.

LEARNING OUTCOMES
1. Ability to perform musically
2. Ability to analyze music using a theoretical perspective
3. Ability to interpret music using correct historical and stylistic elements
4. Ability to collaborate well with others

ABILITIES
Aesthetic Engagement To develop an increased understanding and appreciation of creative human endeavor.
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.

• The student must achieve a grade of C or better in each of the specified courses. *MUS 231 and 232 OR MUS 233 are required of students whose primary instrument is piano. ** MUS 378 & 379 are required of students whose primary instrument is piano. After completing two semesters of Applied Music on each level and demonstrating acceptable proficiency the student may register for the next level of applied lessons.
• The student must continue enrollment in applied lessons until successful completion of a senior recital.
• The student is required to continue enrollment in Class or Applied Piano until successful completion of the Piano Proficiency Examination required of students in this program.
• The student is required to enroll in MUS 200 Concert Attendance (0 credits) every semester.
• Application required for entry into program: application form, audition, program plan.

For degree and graduation requirements see pages 39-40.

Department Chair
Christopher Redfearn, D.A.
Foss Hall 112
(701) 845-7377

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I 3
ENGL 120 College Composition II 3
-or- ENGL 125 Intro to Professional Writing 3
COMM 110 Fund of Public Speaking 3
-or- COMM 212 Interpersonal Comm 3
-or- COMM 216 Intercultural Comm 3

Problem Solving 11 Hrs
Mathematics (Select one course) 3 Hrs
MATH 103 College Algebra 3
MATH 104 Finite Mathematics 3
MATH 107 Precalculus 3
MATH 165 Calculus I 4
Lab Science (Select two courses) 8 Hrs
BIOL 111, 150, 151, 170, 220, 221 3
CHEM 115, 116, 121, 122 4
PHYS 100, 110, 161, 162, 251, 252 5
TECH 161 2

Technology (Select one course) 2 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro Structured Programming I 3

Wellness 2 Hrs
HERP 100 Concepts Fitness & Wellness 2

Aesthetic Engagement 6 Hrs
Literacies (Select one course) 3 Hrs
ENGL 220, 225, 241, 242, 261, 262 3
HUM 201 Civil, Thought, & Lit Heritage 3
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II 3
THEA 110 Intro Theatre; THEA 161 Acting I 3
Art & Music (Select one course) 3 Hrs
ART 110 Introduction to Visual Arts 3
HUM 202 Fine Arts & Aesthetics 3
MUS 100 Music Appreciation 3
MUS 101 Music Fundamentals 3
* MUS 207 History of Rock ’n’ Roll 3

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro 3
GEOG 151 Human Geog 3
HIST 103, 104, 211, 212, 260, 267, 270 3
POLS 15 Amer Gov; POLS 116 State Gov 3
PSYC 111 Intro Psy 3
SOC 110 Intro to Soc; SOC 111 Intro Anthro 3

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3); ART 231 (3); ART 281 (3); GEOG 111 (2); MUS 104 (1); MUS 105 (1); MUS 130 (0-1); MUS 131 (1); MUS 140 (0-1); MUS 141 (1); THEA 201 (1-5)
*if taking MUS 207 as general education credit cannot take as an elective

Required Courses 52 Hours

MUS 103 Intro to Music Technology 1
MUS 109 Music Theory I 3
MUS 110 Music Theory II 3
MUS 121 Aural Skills I 1
MUS 122 Aural Skills II 1
MUS 201 Music Theory III 3
MUS 202 Music Theory IV 3
MUS 203 Aural Skills III 1
MUS 204 Aural Skills IV 1
MUS 205 Basic Conducting 2
MUS 212 Class Piano 1
MUS 213 Class Piano or MUS 214 Class Piano 1
MUS 301 Scoring & Arranging 2
MUS 331 Music History & Literature 3
MUS 332 Music History & Literature 3
MUS 333 Music History & Literature 3
MUS 491 Portfolio 1

MUSIC ENSEMBLES

Music Ensembles 6 Hrs
MUS 131 Concert Choir 0-1
MUS 132 University Singers 0-1
MUS 133 Opera Ensemble 1
MUS 135 Accompanying 1
MUS 141 Concert Band 0-1
MUS 142 Jazz Ensemble 0-1
MUS 144 Percussion Ensemble/Steel Drum Band 1
MUS 145 Brass Ensemble 1
MUS 146 Woodwind Ensemble 1
100-Level Applied Music (2 semesters) 2
200-Level Applied Music (2 semesters) 4
300-Level Applied Music (3 semesters) 6
Senior Recital (1 semester) 2

Electives 3 Hrs

Applied Lessons or Music Ensembles
MUS 102 Intro to Digital Audio Recording 3
MUS 111 Class Piano 1
MUS 112 Class Piano 1
MUS 120 Composition I 1-2
MUS 170 Jazz Improvisation 1-2
MUS 207 History of Rock’n’Roll 3
MUS 209 Adv Recording & Mastering 2
MUS 211 Class Piano 1
MUS 220 Composition II 1-2
MUS 231 Diction I 1
MUS 232 Diction II 1
MUS 233 Diction * 2
MUS 303 Instrumental Conducting & Lit 2
-or- MUS 304 Choral Conducting & Lit 2
MUS 309 Music Industry Seminar 3
MUS 320 Composition III 1-2
MUS 325 Vocal Methods 1
MUS 378 Applied Pedagogy ** 3
MUS 379 Piano Pedagogy ** 3
MUS 397 VCSU CSA Internship 1

Total General Education 39 Hrs
Total Major Requirement 59 Hrs
Total Credits Needed to Graduate 120 Hrs
Physical Education K-12

MAJOR
Physical Education is primarily designed to prepare you for teaching physical education, grades K-12. The program of study in physical education seeks to develop knowledge about the profession of teaching and to encourage you toward acquiring subject matter knowledge in the field of physical education. The curriculum at VCSU prepares you academically to assume the duties of P.E. teachers in public school settings. The physical education major prepares the teaching candidate for a position in the public school systems. The physical education licensed graduate is qualified to teach students from the kindergarten through the twelfth grades.

LEARNING OUTCOMES
1. Perform as an effective communicator to apply physical education content to an active lifestyle.
2. Exhibit problem-solving abilities while teaching physical education.
3. Demonstrate the ability to work together to achieve a common goal in physical education instruction.
4. Show the ability to utilize various technologies in physical education instruction.

ABILITIES
Communication
To convey thoughts, ideas, data, information, and messages effectively.

Problem Solving
To select and us appropriate and effective approaches and tools in solving a wide variety of problems.

Collaboration
To work together to reach a common goal.

Technology
Use technological tools and processes to improve learning, productivity, and / or performance.

For degree and graduation requirements see pages 39-40.

Department Chair
Diane Burr, M.S./A.T.C.
Greaten Gymnasium 002
(701) 845-7242

General Education Requirements 39 Hours

Communication & Collaboration
- ENGL 110 College Composition I 9 Hrs
- ENGL 120 College Composition II
- ENGL 125 Intro to Professional Wrtg...
- COMM 110 Fund of Public Speaking
- COMM 212 Interpersonal Comm
- COMM 216 Intercultural Comm

LEARNING OUTCOMES
1. Perform as an effective communicator to apply physical education content to an active lifestyle.
2. Exhibit problem-solving abilities while teaching physical education.
3. Demonstrate the ability to work together to achieve a common goal in physical education instruction.
4. Show the ability to utilize various technologies in physical education instruction.

Specified Courses 41 Hours

Problem Solving 11 Hrs
- Mathematics - 3 crs (Select one course)
- MATH 103 College Algebra 3
- MATH 104 Finite Mathematics 3
- MATH 107 Precalculus 3
- MATH 165 Calculus I 4
- Lab Science (select two courses) 8 Hrs
- BIOL 111 Concepts of Biology or higher*
- GEOL 100, 106
- PHYS 100, 110, 161, 162, 251, 252
- TECH 161

Wellness 1 Hrs
- HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
- Literacies - 3 crs (Select one course)
- ENGL 220, 225, 241, 242, 261, 262
- HUM 201 Civil, Thought, & Lit Heritage
- SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
- THEA 110 Intro Theatre; THEA 161 Acting I
- Art & Music - 3 crs (Select one course)
- ART 110 Introduction to Visual Arts
- HUM 202 Fine Arts & Aesthetics
- MUS 100 Music Appreciation
- MUS 101 Music Fundamentals
- MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizenship 6 Hrs
(Select two courses)
- COMM 112 Under Media; COMM 114 Human;
- ECON 201 Prin Micro; ECON 202 Prin Macro
- GEOG 151 Human Geog
- HIST 103, 104, 211, 212, 260, 267, 270
- POLS 115 Amer Gov; POLS 116 State Gov
- PSYC 111 Intro Psy
- SOC 110 Intro to Soc; SOC 111 Intro Anthro

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
- ART 112 (3), ART 231 (3), ART 281 (3), GEOG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)

* Required

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MAJOR
The Professional Communication, Corporate Concentration, major explores organizational, intercultural, and interpersonal skills in marketing, training, and development. This major provides background for continued education in law, theology, counseling, and college administration. In addition, this program is offered both face-to-face and completely online. The wide variety of classes, combined with an internship, make these graduates highly marketable in today's job market.

LEARNING OUTCOMES
1. Practices professional and ethical communication strategically
2. Researches, evaluates, and synthesizes information effectively
3. Engages in and appreciates diverse thoughts and ideas
4. Competently works well with others in interpersonal and group situations

ABILITIES
Communication
Strategically practices professional and ethical communication.

Problem Solving
Effectively researches, evaluates and synthesizes information.

Global Awareness
Engages in and appreciates diverse thoughts and ideas.

Collaboration
Competently works well with others in interpersonal and group situations.

For degree and graduation requirements see pages 39-40.

Department Chair
Jonna Ziniel, Ph.D.
McFarland 204
(701) 845-7431

Professional Communication - Corporate Concentration

General Education Requirements 39 Hours
Communication & Collaboration 9 Hours
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Writing* 3
COMM 110 Fund of Public Speaking* 3

Problem Solving 11 Hrs
Mathematics (select one course) 3 Hrs
MATH 103 College Algebra 3
MATH 104 Finite Mathematics 3
MATH 107 Precalculus 3
MATH 165 Calculus I 4

Lab Science (select two courses) 8 Hrs
Biol 111, 150, 151, 170, 220, 221 4
Chem 115, 116, 121, 122 4

Geol 100, 106 4

Phys 100, 110, 161, 162, 251, 252 4
Tech 161 4

Technology 3 Hrs
CIS 170 Intro to Computer Info Systems 3

CSCI 127 Intro to Programming in Java 3

CSCI 160 Intro to Structured Program I 3

Aesthetic Engagement 6 Hrs
Literacies- (select one course) 3 Hrs
ENGL 220 Intro Lit; ENGL 225 Intro Film 3
ENGL 241 World Lit I; ENGL 242 World Lit II 4
ENGL 261 Amer Lit I; ENGL 262 Amer Lit II 4
Hum 201 Civil, Thought, & Lit Heritage 4

SPAN 201 2nd Yr I; SPAN 202 2nd Yr II 4

THEA 110 Intro Theatre; THEA 161 Acting I 4

Art & Music- (select one course) 3 Hrs
Art 110 Introduction to Visual Arts 3

HUM 202 Fine Arts & Aesthetics 3
MUS 100 Music Appreciation 3
MUS 101 Music Fundamentals 3
MUS 207 History of Rock’n’Roll 3

Global Awareness & Effective Citizenship 6 Hrs
(select two courses)
COMM 112 Under Media; COMM 114 Human Comm; 3
ECON 201 Prim of Micro; ECON 202 Prim of Macro; 3
GEOG 151 Human Geography 3
HIST 103, 104, 211, 212, 260, 267, 270 3
POLS 115 Amer Gov’t; POLS 116 State Gov 3
PSYC 111 Intro to Psychology 3
SOC 110 Introduction to Sociology 3
SOC 111 Introduction to Anthropology 3

Wellness 2 Hrs
HPER 100 Concepts of Fitness & Wellness 2

Additional General Education 2 Hrs
Select one additional course from the area of
Aesthetic Engagement or Global Awareness 2
or
ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2); 2
MUS 131 (1), MUS 141 (1); THEA 201 (1-3)

Required Courses 13 Hrs
COMM 212 Interpersonal Communication 3
COMM 216 Intercultural Communication 3
COMM 411 Communication Theory 3
COMM 491 Senior Portfolio 1
COMM 497 Internship 3-12

-OR- COMM 489 Strategies in Comm 3-12

Required Concentration Courses 15 Hrs
COMM 304 Corporate Communication 3
COMM 311 Communication & Interviewing 3
COMM 312 Gender Communication 3
COMM 360 Group Dynamics 3
COMM 483 Organizational Communication 3

Electives 9 Hrs
COMM 314 Public Relations 3
COMM 330 Understanding Statistics 3
COMM 340 Research Methods 3
COMM 350 Issues in Communication 3
COMM 425 Popular Culture and Rhetoric 3
MGMT 330 Principles of Management 3
MGMT 372 Foundations of Leadership 3
MGMT 425 Human Resource Management 3
MGMT 430 Organization Behavior 3
MRKT 305 Principles of Marketing 3
MRKT 415 Market Research & Information 3

Total General Education 39 Hrs
Total Major Requirement 37 Hrs
Total Credits Needed to Graduate 120 Hrs
MAJOR
The Professional Communication, Digital Media Management Concentration, major explores digital media formats and management while developing skills in public relations, social media management, communication theory and website design. Offering both face-to-face and online classes, this program can be completed exclusively online. The wide variety of classes, combined with an internship, make these graduates highly marketable in today’s job market.

LEARNING OUTCOMES
1. Practices professional and ethical communication strategically
2. Researches, evaluates, and synthesizes information effectively
3. Engages in and appreciates diverse thoughts and ideas
4. Competently works well with others in interpersonal and group situations

ABILITIES
Communication
Strategically practices professional and ethical communication.

Problem Solving
Effectively researches, evaluates and synthesizes information.

Global Awareness
Engages in and appreciates diverse thoughts and ideas.

Collaboration
Competently works well with others in interpersonal and group situations.

For degree and graduation requirements see pages 39-40.

Department Chair
Jonna Ziniel, Ph.D.
McFarland 204
(701) 845-7431

Professional Communication - Digital Media Management Concentration

General Education Requirements 39 Hours

Communication & Collaboration 9 Hours
ENGL 110 College Composition I 3
ENGL 125 Intro to Professional Writing* 3
COMM 110 Fund of Public Speaking* 3

Problem Solving 11 Hrs
Mathematics (select one course) 3 Hrs
MATH 103 College Algebra 3
MATH 104 Finite Mathematics 3
MATH 107 Precalculus 3
MATH 165 Calculus I 4

Lab Science (select two courses) 8 Hrs
BIOL 111, 150, 151, 170, 220, 221 4
CHEM 115, 116, 121, 122 4

GEOL 100, 106 4

PHYS 100, 110, 161, 162, 251, 252 4
TECH 161 4

Technology 3 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro to Programming in Java 3
CSCI 160 Intro to Structured Program I 3

Aesthetic Engagement 6 Hrs
 Literacies- (select one course) 3 Hrs
ENGL 220 Intro Lit; ENGL 225 Intro Film
ENGL 241 World Lit I; ENGL 242 World Lit II
ENGL 261 Amer Lit I; ENGL 262 Amer Lit II
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music- (select one course) 3 Hrs
Art 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock ‘n Roll

Global Awareness & Effective Citizenship 6 Hrs
(select two courses)
COMM 112 Under Media; COMM 114 Human Comm;
ECON 201 Prin of Micro; ECON 202 Prin of Macro;
GEOG 151 Human Geography
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov’t; POLS 116 State Gov
PSYC 111 Intro to Psychology
SOC 110 Introduction to Sociology
SOC 111 Introduction to Anthropology

Wellness 2 Hrs
HPER 100 Concepts of Fitness & Wellness 2

Additional General Education 2 Hrs
Select one additional course from the area of Aesthetic Engagement or Global Awareness or
ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2);
MUS 131 (1), MUS 141 (1); THEA 201 (1-3)

Required Courses 13 Hours

COMM 212 Interpersonal Communication 3
COMM 216 Intercultural Communication 3
COMM 411 Communication Theory 3
COMM 491 Senior Portfolio 1
COMM 497 Internship 3-12
-OR- COMM 489 Strategies in Comm 3-12

Required Concentration Courses 15 Hrs
COMM 314 Public Relations 3
COMM 315 Digital Communication 3
COMM 360 Group Dynamics 3
COMM 414 Social Media Management 3
COMM 460 Media Ethics 3
-OR- COMM 470 Media Law 3

Electives 9 Hrs
BOTE 337 Authoring Digital Publications 3
CIS 359 Enterprise Systems 3
CIS 440 Advanced Digital Web Design 3
COMM 155 Intro to Photography 2
COMM 200 Intro to Media Writing 3
COMM 255 Digital and Adobe Elements 2
COMM 312 Gender Communication 3
COMM 330 Understanding Statistics 3
COMM 340 Research Methods 3
COMM 350 Issues in Communication 3
COMM 355 Advanced Photography 2
COMM 425 Popular Culture and Rhetoric 3
COMM 460 Media Ethics 3
COMM 470 Media Law 3
MRKT 305 Principles of Marketing 3
MRKT 370 Advertising and Promotions 3

For B.A. degree, Language/Cultural Studies
In consultation with your advisor, select a 16 credit block of related courses from the following: Spanish, Art, Music, English, Theatre, Photography, and History.
Courses may not be double-counted and may not include credits for portfolio preparation or internships.

Total General Education 39 Hrs
Total Major Requirement 37 Hrs
Total Credits Needed to Graduate 120 Hrs
### Professional Communication - Media Communication Concentration

#### MAJOR
The Professional Communication, Media Concentration, major explores print and digitalized communication formats while developing skills in journalism, public relations, digital media, and media convergence. This major provides background for continued education in law, theology, counseling, and college administration. In addition, this program is offered both face-to-face and completely online. The wide variety of classes, combined with an internship, make these graduates highly marketable in today’s job market.

#### LEARNING OUTCOMES
1. Practices professional and ethical communication strategically
2. Researches, evaluates, and synthesizes information effectively
3. Engages in and appreciates diverse thoughts and ideas
4. Competently works well with others in interpersonal and group situations

#### ABILITIES
**Communication**
Strategically practices professional and ethical communication.

**Problem Solving**
Effectively researches, evaluates and synthesizes information.

**Global Awareness**
Engages in and appreciates diverse thoughts and ideas.

**Collaboration**
Competently works well with others in interpersonal and group situations.

#### General Education Requirements  39 Hours

**Communication & Collaboration**  9 Hours
- ENGL 110 College Composition I  3
- ENGL 125 Intro to Professional Writing*  3
- COMM 110 Fund of Public Speaking*  3

**Technology**  2 Hrs
- CIS 170 Intro to Computer Info Systems  2
- CSCI 127 Intro to Programming in Java  3
- CSCI 160 Intro to Structured Program I  3

**Aesthetic Engagement**  6 Hrs
- Literacies- (select one course)  3 Hrs
  - ENGL 220 Intro Lit; ENGL 225 Intro Film
  - ENGL 241 World Lit I; ENGL 242 World Lit II
  - ENGL 261 Amer Lit I; ENGL 262 Amer Lit II
  - HUM 201 Civil, Thought, & Lit Heritage
  - SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
  - THEA 110 Intro Theatre; THEA 161 Acting I
- Art & Music- (select one course)  3 Hrs
  - ENGL 241 World Lit I; ENGL 242 World Lit II
  - ENGL 261 Amer Lit I; ENGL 262 Amer Lit II
  - HUM 201 Civil, Thought, & Lit Heritage
  - SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
  - THEA 110 Intro Theatre; THEA 161 Acting I
- Music Appreciation  3 Hrs
  - MUS 100 Music Appreciation
  - MUS 101 Music Fundamentals
  - MUS 207 History of Rock’n’Roll

**Problem Solving**  11 Hrs
- Mathematics (select one course)  3 Hrs
  - MATH 103 College Algebra
  - MATH 104 Finite Mathematics
  - MATH 107 Precalculus
  - MATH 165 Calculus I
- Lab Science (select two courses)  8 Hrs
  - BIOL 111, 150, 151, 170, 220, 221
  - CHEM 115, 116, 121, 122
  - GEOL 150, 106
  - PHYS 100, 110, 161, 162, 251, 252
  - TECH 161

**Global Awareness & Effective Citizen**  6 Hrs
- (Select two courses)
  - COMM 112 Under Media; COMM 114 Human COMM; ECON 201 Prin of Micro; ECON 202 Prin of Macro; GEOG 151 Human Geography
  - HIST 103, 104, 211, 212, 260, 267, 270
  - POLS 115 Amer Gov’t; POLS 116 State Gov
  - PSYC 111 Intro to Psychology
  - SOC 110 Introduction to Sociology
  - SOC 111 Introduction to Anthropology

**Wellness**  2 Hrs
- HPER 100 Concepts of Fitness & Wellness  2

**Additional General Education**  2 Hrs
- Select one introduction course from the area of Aesthetic Engagement or Global Awareness or
- ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2); MUS 131 (1), MUS 141 (1); THEA 201 (1-3)

*Required

For degree and graduation requirements see pages 39-40.

#### Required Courses  13 Hours

- COMM 212 Interpersonal Communication  3
- COMM 216 Intercultural Communication  3
- COMM 411 Communication Theory  3
- COMM 491 Senior Portfolio  1
- COMM 497 Internship  3-12
- OR- COMM 489 Strategies in Comm  3-12

**Required Concentration Courses**  21 Hrs

- COMM 200 Introduction to Media Writing  3
- COMM 314 Public Relations  3
- COMM 315 Digital Communication  3
- COMM 344 Reporting & Feature Writing  3
- COMM 460 Media Ethics  3
- OR- COMM 470 Media Law  3

**Electives**  9 Hrs

- BOTE 337 Authoring Digital Publications  3
- COMM 155 Introduction to Photography  2
- COMM 255 Digital and Adobe Elements  2
- COMM 311 Communication & Interviewing  3
- COMM 312 Gender Communication  3
- COMM 330 Understanding Statistics  3
- COMM 340 Research Methods  3
- COMM 350 Issues in Communication  3
- COMM 355 Advanced Photography  3
- COMM 414 Social Media Management  3
- COMM 415 Sports Information  3
- COMM 425 Popular Culture and Rhetoric  3
- COMM 460 Media Ethics  3
- COMM 470 Media Law  3
- MRKT 305 Principles of Marketing  3
- MRKT 319 Website Authoring  3
- MRKT 370 Advertising & Promotions  3

**Total General Education**  39 Hrs
**Total Major Requirement**  37 Hrs
**Total Credits Needed to Graduate**  120 Hrs

#### Department Chair
Jonna Ziniel, Ph.D.
McFarland 204
(701) 845-7431
Psychology

MAJOR
The psychology major has historically been one of three social science cornerstones to a liberal arts education. Along with sociology and anthropology, it prepares individuals for a number of occupational and professional paths. These paths range from graduate studies in counseling and clinical psychology to law school and the health professions. In addition, an increasing demand for services is present in areas such as:
- Corrections
- Social service
- Rehabilitation
- Education
- Other community and personnel services through non-profit organizations.

Accommodating flexible scheduling needs of those who seek this major, courses offered in the psychology program are a combination of traditional, hybrid, and online. Program faculty offer a high quality learning experience, assist in degree planning, serve as mentors, and guide advisees toward completion of their professional goals.

LEARNING OUTCOMES
1. Knowledge Base in Psychology: Students demonstrate comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings in the field of psychology.
2. Scientific Inquiry and Critical Thinking: Students use scientific inquiry and critical thinking to study and interpret psychological phenomena.
3. Ethical and Social Responsibility in a Diverse World: Students adopt ethical standards and demonstrate social responsibility.
4. Communication Students utilize oral, written, and interpersonal communication skills for information exchange and relationship development.
5. Professional Development: Students apply knowledge of psychology-specific content and knowledge of themselves to personal and career goals.

ABILITIES
Communication Written and Spoken
Aesthetic Engagement Receptivity
Problem Solving Research and Creative/Critical Thinking
Global Awareness Works with Diversity

For degree and graduation requirements see pages 39-40.

Department Chair
Steven King, D.A.
McFarland 322D
(701) 845-7108

General Education Requirements 39 Hours
Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II or ENGL 125 Intro to Professional Writing
COMM 110 Fund of Public Speaking or COMM 212 Interpersonal Communication or COMM 216 Intercultural Communication

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 150 General Biology
BIOL 221 Human Anatomy & Physiology*

Technology (Select one course) 3 Hrs
CIS 170 Intro to Computer Information Systems
CSCI 127 Intro to Programming in Java
CSCI 160 Intro to Structured Programming I

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 101 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psych
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Required Courses 15 Hrs
PSYC 250 Developmental Psychology 3
PSYC 330 Understanding Statistics 3
PSYC 340 Research Methods 3
PSYC 350 Social Psychology 3
PSYC 410 Mental Health 3

Directed Electives 21 Hrs
PSYC 310 Behavior Modification 3
PSYC 360 Group Dynamics 3
PSYC 370 Abnormal Psychology 3
PSYC 380 Human Sexuality 3
PSYC 450 Personality Theories 3
PSYC 470 Counseling Theory & Practice 3
PSYC 494 Independent Study 1-4
PSYC 497 Internship 3-12
PSYC 499 Special Topics 1-4
SOC 130 Intro to Human Services 3
SOC 251 Introduction to Gerontology 3
SOC 390 Criminology & Delinquency 3

Criteria for Psychology Internship
The student who plans to pursue a psychology internship must meet the following criteria prior to beginning the application process:
1. Junior class status minimum for candidacy application
2. Cumulative GPA of 3.00

Total General Education 39 Hrs
Total Major Requirement 36 Hrs
Total Credits Needed to Graduate 120 Hrs
Social Science Composite Major

The Social Science curriculum encompasses a wide range of areas: geography, political science, economics, sociology, and history; all explore the ways that human beings, as societies or cultures, relate to each other and their environments and how they establish structured systems to effectively govern and administer their activities. Each of the areas has a knowledge base and a point of view that is distinctly its own, but together they form a cohesive group of studies designed to train students to deal with people in a wide variety of settings and to manage the problems of society. The wide variety of subject matter is designed to produce generalists who may either value their education as an end in itself, use the Social Science degree as a springboard to career placement in related fields, or who elect to pursue graduate work in a more specialized context.

LEARNING OUTCOMES

1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.

2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.

3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

ABILITIES

Communication
Written and Spoken

Problem Solving
Research and Creative/Critical Thinking

Global Awareness
Works with Diversity

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs

- ENGL 110 College Composition I
- ENGL 120 College Composition II
- or ENGL 125 Intro to Professional Wrtg
- COMM 110 Fund of Public Speaking
- or COMM 212 Interpersonal Comm
- or COMM 216 Intercultural Comm

Problem Solving 11 Hrs

- Mathematics - 3 crs (Select one course)
- MATH 103 College Algebra
- MATH 104 Finite Mathematics
- MATH 107 PreCalculus
- MATH 165 Calculus I
- Lab Science - 8 crs (Select two courses)
- BIOL 111, 150, 151, 170, 220, 221
- CHEM 115, 116, 121, 122
- GEOL 100, 106
- PHYS 100, 110, 161, 162, 251, 252
- TECH 161

Technology (Select one course) 3 Hrs

- CIS 170 Intro to Computer Info Systems
- CSCI 127 Intro to Programming in Java
- CSCI 160 Intro to Structured Programming I

Wellness 2 Hrs

- HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs

- Literacies - 3 crs (Select one course)
- ENGL 220, 225, 241, 242, 261, 262
- HUM 201 Civil, Thought, & Lit Heritage
- SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
- THEA 110 Intro Theatre; THEA 161 Acting I

Art & Music - 3 crs (Select one course)

- ART 110 Introduction to Visual Arts
- HUM 202 Fine Arts & Aesthetics
- MUS 100 Music Appreciation
- MUS 101 Music Fundamentals
- MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs

- COMM 112 Under Media; COMM 114 Human;
- ECON 201 Prin Micro; ECON 202 Prin Macro
- GEOG 151 Human Geog
- HIST 103, 104, 211, 212, 260, 267, 270
- POLS 115 Amer Gov; POLS 116 State Gov
- PSYC 111 Intro Psych
- SOC 110 Intro to Soc; SOC 111 Intro Anthro

Required Courses 36 Hours

Economics Courses 6 Hrs

- ECON 201 Principles of Microeconomics*
- -ECON 202 Principles of Macroeconomics*
- ECON 261 Business Statistics
- ECON 314 History of Economic Thought
- ECON 350 Money and Banking
- ECON 460 The Atlantic World

Geography Courses 6 Hrs

- GEOG 100 Introduction to Earth Science
- GEOG 111 Survey of Geography
- GEOG 151 Human Geography*
- GEOG 300 Environmental Earth Science
- GEOG 320 Applied Geography Workshop
- GEOG 325 Hist & Geog of England & Britain
- GEOG 345 Hist & Geog of Spain & Latin Am
- GEOG 362 Geography of N. America
- GEOG 394 Field Methods in Earth Science 1-4
- GEOG 460 The Atlantic World
- GEOG 492 Field Experience in Geography

History Courses 6 Hrs

- HIST 103 US to 1877
- HIST 104 US to Present
- HIST 211 World Civilizations to 1500
- HIST 212 World Civilizations Since 1500
- HIST 260 Women in America
- HIST 267 Environmental History
- HIST 325 History & Geography of England
- HIST 365 Russia & Her Neighbors
- HIST 460 The Atlantic World

Political Science Courses 6 Hrs

- PSCI 115 American National Government*
- PSCI 116 State and Local Government
- PSCI 303 Canadian Government and Politics
- PSCI 375 The U.S. Constitution: Federalism
- PSCI 376 The U.S. Constitution: Civil Liberties
- PSCI 380 The American Presidency
- PSCI 492 Research Methods

Psychology Courses 6 Hrs

- PSYC 110 Introduction to Psychology
- PSYC 250 Developmental Psychology
- PSYC 350 Social Psychology
- PSYC 360 Group Dynamics
- PSYC 370 Abnormal Psychology
- PSYC 380 Human Sexuality
- PSYC 410 Mental Health
- PSYC 450 Personality Theories & Meas

Sociology Courses 6 Hrs

- SOC 110 Introduction to Sociology*
- SOC 111 Introduction to Anthropology
- SOC 220 The Family
- SOC 300 Race, Ethnic & Gender Relations
- SOC 350 Social Psychology
- SOC 385 Introduction to Gerontology
- SOC 390 Criminology and Delinquency
- SOC 422 Social Science Theory
- SOC 492 Research Methods

*Required

Concentration 18 Hrs

Students complete 18 additional credits in one of the following areas: History, Political Science, Psychology, or Sociology.

Total General Education 39 Hrs
Total Major Requirement 60 Hrs
Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements see pages 39-40.

Department Chair
Steven King, D.A.
McFarland 322D
(701) 845-7108
**Social Science Education**  
**Composite Major**

**MAJOR**
The curriculum for a Social Science Education major is designed to enhance understanding and interest in professional education within the Social Science area as well as to produce a Social Science professional who is a knowledge-based decision maker. The curriculum encompasses a wide range of areas: geography, political science, economics, sociology, anthropology, and history; all explore the ways that human beings, as societies or cultures, relate to each other and their environments and how they establish structured systems to effectively govern and administer their activities. Each area has a distinct knowledge base and point of view that collectively form a cohesive grouping of studies designed to train students to deal with people in a wide variety of settings and help manage the problems of society.

**LEARNING OUTCOMES**
1. **Content:** Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.
2. **Social Theory:** Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.
3. **Application:** Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

**ABILITIES**
- **Communication**
- **Written and Spoken**
- **Research and Creative/Critical Thinking**
- **Global Awareness**
  - Works with Diversity

For degree and graduation requirements see pages 39-40.

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**General Education Requirements**  
**39 Hours**

<table>
<thead>
<tr>
<th>Communication &amp; Collaboration</th>
<th>9 Hrs</th>
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<tbody>
<tr>
<td>ENGL 110 College Composition I</td>
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<tr>
<td>or ENGL 125 Intro to Professional Wrtg</td>
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<tr>
<td>or COMM 110 Fund of Public Speaking</td>
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<td>or COMM 212 Interpersonal Comm</td>
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<td>or COMM 216 Intercultural Comm</td>
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<thead>
<tr>
<th>Problem Solving</th>
<th>11 Hrs</th>
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<tr>
<td>Mathematics - 3 crs (Select one course)</td>
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<tr>
<td>MATH 103 College Algebra</td>
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<tr>
<td>MATH 104 Finite Mathematics</td>
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<tr>
<td>MATH 107 Precalculus</td>
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<tr>
<td>MATH 165 Calculus I</td>
<td></td>
</tr>
<tr>
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<td>BIOL 111, 151, 170, 220, 221</td>
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<td>CHEM 115, 116, 121, 122</td>
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<td>GEOL 100, 106</td>
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<td>PHYS 100, 110, 161, 162, 251, 252</td>
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<td>TECH 161</td>
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<th>Technology</th>
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<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
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<td>CSCI 127 Intro Java; CSCI 160 Intro Struct</td>
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<th>Wellness</th>
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<thead>
<tr>
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<tr>
<td>Literacies - 3 crs (Select one course)</td>
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<tr>
<td>HUM 201 Civil, Thought, &amp; Lit Heritage</td>
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<td>SPAN 201 2nd Yr I; SPAN 202 2nd Yr II</td>
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<tr>
<td>THEA 110 Intro Theatre; THEA 161 Acting I</td>
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<tr>
<td>Art &amp; Music - 3 crs (Select one course)</td>
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<tr>
<td>ART 110 Introduction to Visual Arts</td>
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<td>HUM 202 Fine Arts &amp; Aesthetics</td>
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<td>MUS 100 Music Appreciation</td>
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<td>MUS 101 Music Fundamentals</td>
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<td>MUS 207 History of Rock’n’Roll</td>
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<th>Global Awareness &amp; Effective Citizen</th>
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<tr>
<td>PSYC 111 Introduction to Psychology*</td>
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<tr>
<td>SOC 110 Introduction to Sociology*</td>
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<tr>
<td>-OR- SOC 111 Introduction to Anthropology*</td>
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*Required for teacher education

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**Required Courses**  
**66 Hours**

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<td>HIST 104 US to Present*</td>
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<tr>
<td>HIST 211 World Civilizations to 1500</td>
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<tr>
<td>HIST 212 World Civilizations Since 1500</td>
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<td>HIST 470 Topics in Non-Western History</td>
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<tr>
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<tbody>
<tr>
<td>ECON 201 Principles of Microeconomics*</td>
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<td>ECON 202 Principles of Macroeconomics*</td>
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<tr>
<td>ECON 261 Business Statistics</td>
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<td>ECON 314 History of Economic Thought</td>
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<tr>
<td>ECON 350 Money and Banking</td>
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<td>ECON 460 The Atlantic World</td>
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<tr>
<td>GEOG 100 Introduction to Earth Science</td>
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<tr>
<td>GEOG 111 Survey of Geography*</td>
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<tr>
<td>GEOG 151 Human Geography*</td>
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<tr>
<td>GEOG 300 Environmental Earth Science</td>
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<tr>
<td>GEOG 320 Applied Geography Workshop</td>
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<tr>
<td>GEOG 345 Hist &amp; Geog of Spain &amp; Latin Am</td>
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<tr>
<td>GEOG 394 Field Methods in Earth Science</td>
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<tr>
<td>GEOG 362 Geography of N. America</td>
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<tr>
<td>GEOG 460 The Atlantic World</td>
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<td>GEOG 492 Field Experience in Geography</td>
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<table>
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<tr>
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<tr>
<td>PSCI 115 American National Government*</td>
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<tr>
<td>PSCI 116 State and Local Government*</td>
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<tr>
<td>PSCI 303 Canadian Government and Politics</td>
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<tr>
<td>PSCI 375 The U.S. Constitution: Federalism</td>
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<tr>
<td>PSCI 376 The U.S. Constitution: Civil Liberties</td>
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<tr>
<td>PSCI 380 The American Presidency</td>
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<tr>
<th>Psychology &amp; Sociology Courses</th>
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<tr>
<td>PSYC 350 Social Psychology</td>
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<td>PSYC 410 Mental Health</td>
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<td>SOC 220 The Family</td>
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<td>SOC 300 Race, Ethnic &amp; Gender Relations</td>
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<tr>
<th>Concentration</th>
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<td>Students complete 18 additional credits in one of the following areas: History, Political Science, Psychology, or Sociology.</td>
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<table>
<thead>
<tr>
<th>Professional Education Sequence</th>
<th>31-32 Hrs</th>
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<tbody>
<tr>
<td>EDUC 240 Educating Exceptional Students</td>
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<tr>
<td>EDUC 250 Introduction to Education</td>
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<tr>
<td>EDUC 283 Understanding Cult Div in Education</td>
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<tr>
<td>EDUC 300 Educational Technology</td>
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<tr>
<td>EDUC 351 Sec Practicum &amp; Clsrn Mngt</td>
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<tr>
<td>EDUC 352 Culturally Diverse Practicum</td>
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<tr>
<td>-OR- ENGL 464 Practicum in the ESL Classroom</td>
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<tr>
<td>EDUC 375 Tchg Rdg in the Content Areas</td>
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<tr>
<td>EDUC 400 Educational Psychology</td>
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<tr>
<td>EDUC 450 Current Issues &amp; Trends in Educ</td>
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<tr>
<td>EDUC 480 Student Teaching (Secondary)</td>
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<td>PSYC 250 Developmental Psychology</td>
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**Total General Education**  
**39 Hrs**

<table>
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<tr>
<th>Total Major Requirement</th>
<th>54 Hrs</th>
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<tbody>
<tr>
<td>Total Professional Ed Sequence</td>
<td>31-32 Hrs</td>
</tr>
</tbody>
</table>

| Total Credits Needed to Graduate | 120 Hrs |

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**Department Chair**

Steven King, D.A.  
McFarland 322D  
(701) 845-7108
Software Engineering
Composite Major

MAJOR
The Software Engineering (SE) major is designed to attract students interested in solving problems using software solutions to meet the needs of employers in the region. The SE major focuses on software engineering skills required by employers to ensure students are well-prepared to enter the workforce. Many of the courses required for this major are offered in the Computer Information Systems (CIS) and Computer Science programs. Movement between the SE and CIS majors, which share a subset of courses, will be reasonably seamless. Nontraditional IT majors may be interested in Software Engineering more so than traditional Computer Science or CIS majors because of the inclusion of humanistic issues such as project management, requirements gathering, and human computer interaction.

LEARNING OUTCOMES
1. Able to effectively understand requirements, design solutions, and develop software to successfully implement software.
2. Able to persevere and analyze in-depth problems until a final solution is identified.
3. Be creative and think outside of the box while designing solutions for unique problems.
4. Communicate effectively with stakeholders during all phases of a project.
5. Identify the impacts of changes and effectively implement solutions involving integration with other systems.
6. Able to manage small, simple projects and work in high performing teams to complete projects successfully.
7. Adjust to the corporate culture in a particular work environment by adhering to expectations in an ethical manner.

ABILITIES
Collaboration To work together to reach a common goal.
Communication To convey thoughts, ideas, data, information, and messages effectively.
Global Awareness To look beyond one’s immediate self and local community.
Problem Solving To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
Technology Use technological tools and processes to improve learning, productivity, and/or performance.
Effective Citizenship To be actively involved in improving the community and environment.
Aesthetic Engagement To be actively involved in improving the community and environment.

For degree and graduation requirements see pages 39-40.

Department Chair
Susan Peifer, M.S., PMP
McFarland Hall  138A
(701) 845-7719

General Education Requirements 39 Hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tr>
<td>Communication &amp; Collaboration</td>
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<tr>
<td>ENGL 110 College Composition I</td>
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<td>ENGL 120 College Composition II</td>
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<tr>
<td>-or- ENGL 125 Intro to Professional Writing</td>
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<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td>3</td>
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<tr>
<td>-or-COMM 212 Interpersonal Communication</td>
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<tr>
<td>-or-COMM 216 Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>Problem Solving</td>
<td>11 Hrs</td>
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<tr>
<td>Mathematics (select one course)</td>
<td>3 Hrs</td>
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<tr>
<td>MATH 103 College Algebra</td>
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<tr>
<td>MATH 104 Finite Mathematics</td>
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<tr>
<td>MATH 107 Precalculus</td>
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<tr>
<td>MATH 165 Calculus I</td>
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<td>Lab Science - 8 crs (select two courses)</td>
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<td>BIOL 111, 150, 151, 170, 220, 221</td>
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<td>Technology</td>
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<td>CIS 170 Intro to Computer Info Systems</td>
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<td>6 Hrs</td>
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<td>MUS 100 Music Appreciation</td>
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<tr>
<td>Global Awareness &amp; Effective Citizenship</td>
<td>6 Hrs</td>
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<tr>
<td>ECON 201 Principles of Micro *</td>
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<tr>
<td>PSYC 111 Intro Psyc *</td>
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*Required Course

Required Courses 58 Hours

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<tr>
<td>CIS 128 Microcomputer Hardware I</td>
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<td>CIS 164 Networking Fundamentals</td>
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<td>COMM 360 Group Dynamics</td>
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<td>CSCI 160 Intro to Struct Prog I</td>
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<td>CSCI 161 Intro to Struct Prog II</td>
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<td>MATH 321 Applied Prob &amp; Stats</td>
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<td>SE 211 Software Construction</td>
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<td>SE 212 SE App to Human Comp Inter</td>
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<td>SE 242 Data Structures</td>
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<td>SE 311 Software Design &amp; Architecture</td>
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<td>SE 321 Software Quality Assurance &amp; Testing</td>
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<td>SE 370 Social Implications of Computers</td>
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<td>SE 379 Computer Org &amp; Systems</td>
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<td>SE 380 Systems Analysis&amp;Design</td>
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<td>SE 381 Project Management</td>
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<td>SE 385 Database Theory/Design</td>
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<td>SE 480 Capstone</td>
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<td>SE 491 Senior Portfolio</td>
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Directed Electives-Specialty 12 Hrs

Option 1: Enterprise Systems
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<tr>
<td>CIS 371 Enterprise Systems II</td>
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<tr>
<td>CIS 475 Integration of Busi Processes in SAP ERP</td>
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Option 2: Science
12 credits of major only science courses and approval from advisor. Possible options include: BIOL 150, BIOL 151, BIOL 170 or PHYS 251/L, PHYS 252/L, PHYS 294, PHYS 394.

Additional specialties may be chosen with advisor approval. Please consult with your advisor.

Total General Education 39 Hrs
Total Major Requirement 70 Hrs
Total Credits Needed to Graduate 120 Hrs
Spanish

**MAJOR**

Because of the growth of the Hispanic population in the United States and growing awareness of the importance of foreign language in the “global village”, there is a large demand for Spanish speakers in all professional areas. The Spanish curriculum seeks to give you the skills to satisfy routine social demands and work requirements as well as an understanding and appreciation of Hispanic culture.

**LEARNING OUTCOMES**

1. Communication Ability to understand, interpret and produce effective, grammatically correct Spanish
2. Culture: Ability to demonstrate understanding of the relationships between practices, products, and perspectives in Spanish and Latin-American cultures
3. Connections: Ability to adopt the worldview and perspectives of Spanish speakers
4. Comparisons: Ability to develop their understanding of language and culture by comparing Hispanic cultures and languages to the learner’s native language
5. Communities: Ability to engage with Spanish speakers outside the academic environment and participate in authentic language usage

**ABILITIES**

- Communication
  - Excellent writing and speaking abilities
- Aesthetic Engagement/Problem Solving
  - Sophisticated analytical skills
- Problem Solving
  - Competent research skills
- Global Awareness
  - Ability to synthesize language, life, and culture

Students traveling abroad must register for Global Seminar.

For degree and graduation requirements see pages 39-40.

**Department Chair**

Julee Russell, Ph.D.

McFarland 315

(701) 845-7440

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**General Education Requirements**

<table>
<thead>
<tr>
<th>Category</th>
<th>Required Courses</th>
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<tbody>
<tr>
<td>9 Hrs</td>
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<td>9 Hrs</td>
<td>ENGL 125 Intro to Professional Wrtg</td>
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<td>11 Hrs</td>
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<td>3 Hrs</td>
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<tr>
<td>3 Hrs</td>
<td>GEOG 100, 106</td>
</tr>
<tr>
<td>3 Hrs</td>
<td>PHYS 100, 110, 161, 162, 251, 252</td>
</tr>
<tr>
<td>3 Hrs</td>
<td>TECH 161</td>
</tr>
<tr>
<td>3 Hrs</td>
<td>CIS 170 Intro to Computer Info Systems</td>
</tr>
<tr>
<td>3 Hrs</td>
<td>CSCI 127 Intro to Programming in Java</td>
</tr>
<tr>
<td>3 Hrs</td>
<td>CSCI 160 Intro to Structured Programming I</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>ENGL 220, 225, 241, 242, 261, 262</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>HUM 201 Civil, Thought, &amp; Lit Heritage</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>SPAN 201 2nd Yr I; SPAN 202 2nd Yr II</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>THEA 110 Intro Theatre; THEA 161 Acting I</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>ART 110 Introduction to Visual Arts</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>HUM 202 Fine Arts &amp; Aesthetics</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>MUS 100 Music Appreciation</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>MUS 101 Music Fundamentals</td>
</tr>
<tr>
<td>6 Hrs</td>
<td>MUS 207 History of Rock’n’Roll</td>
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<tr>
<td>6 Hrs</td>
<td>COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro</td>
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<td>6 Hrs</td>
<td>GEOG 151 Human Geog</td>
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<td>6 Hrs</td>
<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
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<td>6 Hrs</td>
<td>POLS 115 Amer Gov; POLS 116 State Gov</td>
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<tr>
<td>6 Hrs</td>
<td>PSYC 111 Intro Psych</td>
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<tr>
<td>6 Hrs</td>
<td>SOC 110 Intro to Soc; SOC 111 Intro Anthro</td>
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**Required Courses**

<table>
<thead>
<tr>
<th>Hours</th>
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<tbody>
<tr>
<td>12-15</td>
<td>SPAN 396/496 Travel Abroad</td>
</tr>
<tr>
<td>20</td>
<td>SPAN 201 2nd Year Spanish I</td>
</tr>
<tr>
<td>20</td>
<td>SPAN 202 2nd Year Spanish II</td>
</tr>
<tr>
<td>3</td>
<td>SPAN 305 Spanish Phonetics</td>
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<td>3</td>
<td>SPAN 320 Intro to Hispanic Literature</td>
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<tr>
<td>3</td>
<td>SPAN 345 Hist &amp; Geog of Spain &amp; Latin Amer</td>
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<tr>
<td>3</td>
<td>SPAN 415 Advanced Spanish Conversation</td>
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**Directed Electives**

<table>
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<tr>
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<td>Required Courses</td>
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**Total General Education**

<table>
<thead>
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<th>Course</th>
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<tr>
<td>39</td>
<td>Article</td>
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**Total Major Requirement**

<table>
<thead>
<tr>
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<tr>
<td>32-35</td>
<td>Article</td>
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**Total Credits Needed to Graduate**

<table>
<thead>
<tr>
<th>Hours</th>
<th>Course</th>
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<tbody>
<tr>
<td>120</td>
<td>Article</td>
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</table>
Spanish Education

MAJOR
Because of the growth of the Hispanic population in the United States and growing awareness of the importance of foreign language in the “global village” there is a large demand for Spanish speakers in all professional areas. Schools all over the nation are looking for Spanish teachers as well as teachers in other subjects who speak Spanish. Spanish majors are required to spend a semester studying at one of our sister universities in Mexico.

LEARNING OUTCOMES
1. Insuring that students possess the academic and creative writing skills essential to collegiate success;
2. Providing the critical reading and thinking skills to support life-long learning; and
3. Affirming the value of understanding cultural differences.

ABILITIES
Communication
Excellent writing and speaking abilities

Aesthetic Engagement/Problem Solving
Sophisticated analytical skills

Problem Solving
Competent research skills

Global Awareness
Ability to synthesize language, life, and culture

Students traveling abroad must register for Global Seminar.

For degree and graduation requirements see pages 39-40.

Department Chair
Julee Russell, Ph.D.
McFarland 315
(701) 845-7440

General Education Requirements 39 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 120 College Composition II
or ENGL 125 Intro to Professional Wrtg
COMM 110 Fund of Public Speaking
or COMM 212 Interpersonal Comm
or COMM 216 Intercultural Comm

Problem Solving 11 Hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Pre-calculus
MATH 165 Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 3 Hrs
(Select one course)
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Struc

Wellness 2 Hrs
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hrs
Literacies - 3 crs (Select one course)
ENGL 220, 225, 241, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
THEA 110 Intro Theatre; THEA 161 Acting I
Art & Music - 3 crs (Select one course)
ART 110 Introduction to Visual Arts
HUM 202 Fine Arts & Aesthetics
MUS 100 Music Appreciation
MUS 101 Music Fundamentals
MUS 207 History of Rock’n’Roll

Global Awareness & Effective Citizen 6 Hrs
(Select two courses)
COMM 112 Under Media; COMM 114 Human;
ECON 201 Prin Micro; ECON 202 Prin Macro
GEOG 151 Human Geog
HIST 103, 104, 211, 212, 260, 267, 270
POLS 115 Amer Gov; POLS 116 State Gov
PSYC 111 Intro Psyc
SOC 110 Intro to Soc; SOC 111 Intro Anthro

Required Courses 20 Hours
SPAN 201 2nd Year Spanish I 4
SPAN 202 2nd Year Spanish II 4
SPAN 320 Intro to Hispanic Literature 3
SPAN 345 Hist & Geog of Spain & Latin Amer 3
SPAN 415 Advanced Spanish Conversation 3
SPAN 490 Methods of Teaching Spanish 3

Directed Electives 12-15 Hrs
SPAN 396/496 Travel Abroad 12-15
Travel Abroad will include attendance and academic study at an approved university in a Spanish-speaking country. The academic schedule must be approved by the advisor before travel ensues.

For degree and graduation requirements see pages 39-40.

Spanish majors and minors must pass a Language Skills Screening before enrolling in a 300 level course.

Spanish majors, B.S. in Ed, are required to spend a semester studying at one of our sister universities in Mexico. Alternatives to this policy must have departmental approval.

Professional Education Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Students 2
EDUC 250 Introduction to Education 3
EDUC 283 Understanding Cult Div in Education 3
EDUC 300 Educational Technology 2
EDUC 351 Sec Practicum & Clsrn Mngt 1
EDUC 352 Culturally Diverse Practicum 1
- or ENGL 464 Practicum in the ESL Classroom 2
EDUC 375 Tchg Rdg in the Content Areas 2
EDUC 400 Educational Psychology 2
EDUC 450 Current Issues & Trends in Educ 2**
EDUC 480 Student Teaching (Secondary) 10**
PSYC 250 Developmental Psychology 3
** Courses to be taken the same semester.
*Required

Total General Education 39 Hrs
Total Major Requirement 32-35 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs
## Technology Education

**MAJOR**
The Technology Education program is based on Standards for Technological Literacy, and supports standards in science, engineering and mathematics. Technology Education stresses design, critical thinking skills and problem-solving abilities and provides to the student career awareness and information about a wide variety of technology related careers and non-traditional opportunities, and prepares all students to prosper in an information and technology rich society. VCSU is a recognized leader in the nation for preparing technological literate technology education teachers.

### LEARNING OUTCOMES
1. **Methodology** – Students will develop knowledge necessary for program development, implementation, evaluation and assessment of student learning.
2. **Content** – Students will acquire knowledge and skills necessary to demonstrate competence in technological literacy
3. **Application** – Students will demonstrate competency in technology education content and apply this knowledge in real world experiences.

### ABILITIES
- **Collaboration**
- **Communication**
- **Effective Citizenship**
- **Problem Solving**
- **Technology**

### General Education Requirements 39 Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 110</td>
<td>College Composition I</td>
</tr>
<tr>
<td>ENGL 120</td>
<td>College Composition II</td>
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<tr>
<td>CIS 170</td>
<td>Intro to Computer Info Systems</td>
</tr>
<tr>
<td>CSCI 127</td>
<td>Intro to Programming in Java</td>
</tr>
<tr>
<td>CSCI 160</td>
<td>Intro to Structured Programming</td>
</tr>
<tr>
<td>HPER 100</td>
<td>Concepts Fitness &amp; Wellness</td>
</tr>
<tr>
<td>ART 110</td>
<td>Introduction to Visual Arts</td>
</tr>
<tr>
<td>HUM 202</td>
<td>Fine Arts &amp; Aesthetics</td>
</tr>
<tr>
<td>MUS 100</td>
<td>Music Appreciation</td>
</tr>
<tr>
<td>MUS 101</td>
<td>Music Fundamentals</td>
</tr>
<tr>
<td>MUS 207</td>
<td>History of Rock’n’Roll</td>
</tr>
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</table>

### Technology Education Requirements 39 Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TECH 398</td>
<td>3D Modeling &amp; Design Lab</td>
</tr>
<tr>
<td>TECH 399</td>
<td>Exploring Technology</td>
</tr>
<tr>
<td>TECH 400</td>
<td>Intelligent Machines Lab</td>
</tr>
<tr>
<td>TECH 401</td>
<td>Foundations of Technology Lab</td>
</tr>
<tr>
<td>TECH 402</td>
<td>Technology Assessment Lab</td>
</tr>
<tr>
<td>TECH 403</td>
<td>Technology Systems Lab</td>
</tr>
</tbody>
</table>

### Problem Solving 11 Hrs

- **Mathematics** - Select one course
  - MATH 103 College Algebra
  - MATH 104 Finite Mathematics
  - MATH 107 PreCalculus
  - MATH 165 Calculus I

- **Lab Science** - Select two courses
  - BIOL 111, 150, 151, 170, 220, 221
  - CHEM 115, 116, 121, 122
  - GEOL 100, 106
  - PHYS 100, 110, 161, 162, 251, 252
  - TECH 161

### Technology (Select one course) 3 Hrs

- **CIS 170** Intro to Computer Info Systems
- **CSCI 127** Intro to Programming in Java
- **CSCI 160** Intro to Structured Programming

### Wellness 2 Hrs

- **HPER 100** Concepts Fitness & Wellness

### Aesthetic Engagement 6 Hrs

- **Literacies** - Select one course
  - ENGL 220, 225, 241, 242, 261, 262
  - HUM 201 Civil, Thought, & Lit Heritage
  - SPAN 201 2nd Yr I; SPAN 202 2nd Yr II
  - THEA 110 Intro Theatre; THEA 161 Acting I

- **Art & Music** - Select one course
  - ART 110 Introduction to Visual Arts
  - HUM 202 Fine Arts & Aesthetics
  - MUS 100 Music Appreciation
  - MUS 101 Music Fundamentals
  - MUS 207 History of Rock’n’Roll

### Global Awareness & Effective Citizen 6 Hrs

- **COMM 112** Under Media; COMM 114 Human;
- **ECON 201** Prin Micro; ECON 202 Prin Macro
- **HIST 103, 104, 211, 212, 260, 267, 270**
- **POL 115** Amer Gov; POLS 116 State Gov
- **PSYC 111** Intro Psych
- **SOCI 100** Intro to Soc; SOCI 111 Intro Anthro

### Additional General Education 2 Hrs

- **Select one additional course from the area of Aesthetic Engagement or Global Awareness**
- **ART 112 (3), ART 231 (3), ART 281 (3), GEG 111 (2), MUS 104 (1), MUS 105 (1), MUS 131 (1), MUS 141 (1), PHYS 275 (1), THEA 201 (1-3)**

*Required Courses 33 Hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TECH 256</td>
<td>Resources for Technology</td>
</tr>
<tr>
<td>TECH 256L</td>
<td>Resources for Tech Lab</td>
</tr>
<tr>
<td>STEM ED 306</td>
<td>Inv &amp; Innov Tech Ed Child</td>
</tr>
<tr>
<td>STEM ED 306L</td>
<td>Inv &amp; Innov Tech Ed Child Lab</td>
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<tr>
<td>STEM ED 310</td>
<td>Design Tech &amp; Eng for Elem</td>
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<tr>
<td>STEM ED 310L</td>
<td>Design Tech &amp; Eng Elem Lab</td>
</tr>
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<td>TECH 330</td>
<td>Exploring Technology</td>
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<tr>
<td>TECH 330L</td>
<td>Exploring Technology Lab</td>
</tr>
<tr>
<td>STEM ED 331</td>
<td>Inv &amp; Engineering Design</td>
</tr>
<tr>
<td>STEM ED 331L</td>
<td>Inv &amp; Engineer Design Lab</td>
</tr>
<tr>
<td>STEM ED 342</td>
<td>Building Math</td>
</tr>
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<td>TECH 371</td>
<td>Technology Systems</td>
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<td>TECH 371L</td>
<td>Technology Systems Lab</td>
</tr>
<tr>
<td>STEM ED 411</td>
<td>STEM Curriculum and Methods</td>
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<tr>
<td>TECH 416</td>
<td>Innovations in Technology</td>
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<tr>
<td>TECH 416L</td>
<td>Innovations in Technology Lab</td>
</tr>
<tr>
<td>STEM ED 431</td>
<td>Design for Engineering</td>
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<td>STEM ED 431L</td>
<td>Design for Engineering Lab</td>
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<td>STEM ED 450</td>
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### Directed Electives 6 Hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TECH 300</td>
<td>3D Modeling &amp; Design</td>
</tr>
<tr>
<td>TECH 300L</td>
<td>3D Modeling &amp; Design Lab</td>
</tr>
<tr>
<td>STEM ED 355</td>
<td>STEM Curriculum &amp; Methods Elem</td>
</tr>
<tr>
<td>TECH 391</td>
<td>Foundations of Technology</td>
</tr>
<tr>
<td>TECH 391L</td>
<td>Foundations of Tech Lab</td>
</tr>
<tr>
<td>TECH 394</td>
<td>Independent Study</td>
</tr>
<tr>
<td>TECH 456</td>
<td>Intelligent Machines</td>
</tr>
<tr>
<td>TECH 456L</td>
<td>Intelligent Machines Lab</td>
</tr>
<tr>
<td>TECH 478</td>
<td>Technology Assessment</td>
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<tr>
<td>TECH 478L</td>
<td>Technology Assessment Lab</td>
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<tr>
<td>TECH 495</td>
<td>Senior Problems</td>
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### Professional Education Sequence 31-32 Hrs

<table>
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<tr>
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<tbody>
<tr>
<td>EDUC 240</td>
<td>Educating Exceptional Stdnts</td>
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<tr>
<td>EDUC 250</td>
<td>Introduction to Education</td>
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<td>EDUC 283</td>
<td>Understng Cult Div in Educ</td>
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<td>EDUC 300</td>
<td>Educational Technology</td>
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<tr>
<td>EDUC 352</td>
<td>Culturally Diverse Practicum</td>
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<td>EDUC 464</td>
<td>Pract in ELL Classroom</td>
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<tr>
<td>EDUC 351</td>
<td>Sec Practicum &amp; Clsrm Mngt</td>
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<tr>
<td>EDUC 375</td>
<td>Tchg Rdg in Content Areas</td>
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<td>EDUC 400</td>
<td>Educational Psychology</td>
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<tr>
<td>EDUC 450</td>
<td>Trends in Assess &amp; Educ Issues</td>
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<tr>
<td>EDUC 480</td>
<td>Student Teaching (Sec)</td>
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<tr>
<td>PSYC 250</td>
<td>Developmental Psychology</td>
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### Total General Education 39 Hrs

### Total Major Requirement 39 Hrs

### Total Professional Ed Sequence 31-32 Hrs

### Total Credits Needed to Graduate 120 Hrs

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For degree and graduation requirements see pages 39-40.

**Department Chair**
Peder Gjovik, Ph.D.
McCarthy Hall 155
(701) 845-7448
### Art Minor

**Required Courses**  
- ART 112 Design  
- ART 221 Printmaking  
- ART 231 Drawing  
- ART 241 Painting  
- ART 261 Sculpture  
- or- ART 281 Ceramics  
- ART 311 Art History Survey I  
- or- ART 312 Art History Survey II  
- ART 331 Drawing  

**Electives**  
- ART 261 Sculpture  
- or- ART 281 Ceramics  
- ART 311 Art History Survey I  
- or- ART 312 Art History Survey II  
- ART 321 Printmaking  
- ART 332 Drawing  
- ART 341 Painting  
- ART 397 VCSU CSA Internship  
- ART 399 Special Topics - Studio  
- ART 411 Art History III: Contemp  
- ART 412 Art History IV: Tribal Art  
- ART 494 Independent Study  
- ART 497 Internship  
- ART 155 / COMM 155 Introduction to Photography  
- ART / COMM 255 Digital and Adobe Elements  

### Athletic Coaching Minor

**Required Courses:**  
- COMM 415 Sports Information  
- HPER 109 Exercise Techniques and Program Design  
- HPER 207 Prevent & Care of Athletic Injuries  
- HPER 210 First Aid & CPR  
- HPER 350 Sport Ethics  
- HPER 498 Coaching Practicum  

**Electives**  
- Must complete two of the following:  
  - HPER 301 Phil & Appl of Football Coaching  
  - HPER 302 Phil & Appl of Basketball Coaching  
  - HPER 303 Phil & Appl of Volleyball Coaching  
  - HPER 304 Phil & Appl Baseball/Sftball Coach  
  - HPER 305 Phil & Appl of Track & Field Coach  

**Electives**  
- HPER 209 Sport Nutrition Concepts  
- HPER 338 Modern Sports Officiating  
- HPER 410 Administration of HPE & Athletics  
- HPER 425 Soc/Pysc Aspects Sport & PE  
- or a third coaching class from the following:  
  - HPER 301 Phil & Appl of Football Coaching  
  - HPER 302 Phil & Appl of Basketball Coaching  
  - HPER 303 Phil & Appl of Volleyball Coaching  
  - HPER 304 Phil & Appl Baseball/Sftball Coach  
  - HPER 305 Phil & Appl of Track & Field Coach  

The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.
### Biology Minor

<table>
<thead>
<tr>
<th>Required General Education Courses</th>
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<tbody>
<tr>
<td>CHEM 116 Intro to Organic &amp; Biochemistry</td>
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<tr>
<td>CHEM 121 General Chemistry</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>BIOL 150 General Biology</td>
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</tr>
<tr>
<td>BIOL 151 General Biology</td>
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</table>

<table>
<thead>
<tr>
<th>Electives</th>
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<tbody>
<tr>
<td>BIOL 170 General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220 Human Anatomy &amp; Physiology</td>
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<tr>
<td>BIOL 221 Human Anatomy &amp; Physiology</td>
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<tr>
<td>BIOL 310 MicroBiology</td>
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<td>BIOL 311 Botany</td>
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<tr>
<td>BIOL 312 Botany</td>
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<td>BIOL 315 Genetics</td>
<td>4</td>
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<tr>
<td>BIOL 330 North Dakota Flora</td>
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<td>BIOL 343 Ornithology</td>
<td>4</td>
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<tr>
<td>BIOL 347 Aquatic Entomology</td>
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<td>BIOL 355 Mammalogy</td>
<td>4</td>
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<td>BIOL 367 Ichthyology</td>
<td>4</td>
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<tr>
<td>BIOL 375 Conservation Biology</td>
<td>4</td>
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<tr>
<td>BIOL 395 Lab Preparation &amp; Management</td>
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<td>BIOL 410 Field Ecology</td>
<td>4</td>
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<tr>
<td>BIOL 440 Biostatistics and Exp. Design</td>
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<td>BIOL 441 Cell Biology</td>
<td>4</td>
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<td>BIOL 470 Limnology</td>
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<tr>
<td>BIOL x94 Indep Study/Undergrd Research</td>
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<tr>
<td>BIOL x99 Special Topics</td>
<td>1-4</td>
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#### Total Minor Credits Required 22 Hours

A total of 4 credits from BIOL x94 may be applied as directed electives.

For the B S in Education degree, the student must substitute BIOL 490, if not already taken.

### Business Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>12 Hours</th>
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<tbody>
<tr>
<td>ACCT 200 Elements of Accounting I</td>
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<tr>
<td>ACCT 201 Elements of Accounting II</td>
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</tr>
<tr>
<td>ACCT 315 Business in the Legal Environment</td>
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<tr>
<td>BOTE 314 Business Reports &amp; Comm</td>
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#### Directed Electives 12 Hours

Select the Teaching Electives or the Non Teaching Electives

#### Teaching Electives 12 Hours

<table>
<thead>
<tr>
<th>Electives</th>
<th>12 Hours</th>
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<tbody>
<tr>
<td>BOTE 102 Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 309 Business Technology</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 336 Business Data Solutions</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 490 Methods and Materials for Teaching Business Subjects</td>
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#### Non Teaching Electives 12 Hours

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<thead>
<tr>
<th>Electives</th>
<th>12 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 375 Business Finance I</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 330 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 350 Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 305 Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

### Business Software Applications Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>24 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 200 Elements of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 201 Elements of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 309 Office Management</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 336 Business Data Solutions</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 337 Authoring Digital Publications</td>
<td>3</td>
</tr>
<tr>
<td>CIS 128 Hardware I</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 162 Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 369 Enterprise Applications</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 319 Website Authoring</td>
<td>3</td>
</tr>
</tbody>
</table>

B.S. in Education students must take BOTE 490 Methods and Materials for Teaching Business Subjects instead of a programming course.
### Chemistry Minor

**Required General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 161 Intro College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>and PHYS 162 Intro College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 251/L Univers Physics I/Lab</td>
<td>4/1</td>
</tr>
<tr>
<td>and PHYS 252/L Univers Physics II/Lab</td>
<td>4/1</td>
</tr>
</tbody>
</table>

**Required Courses**  
19 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 121 General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 122 General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 330 Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341 Organic Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 331 Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 342 Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 360 Elements of Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 395 Laboratory Preparation &amp; Mgmt</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 411 Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 412 Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 421 Physical Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 422 Physical Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 425 Inorganic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM x94 Ind Study/Undergrad Research</td>
<td>1-4</td>
</tr>
</tbody>
</table>

*CHEM 370 is prerequisite to CSCI 350*

### Computer Science Minor

**Required General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 170 Intro to Computer Information Syst</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Courses**  
15 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 160 Intro to Structured Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 161 Intro to Structured Programming II</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 242 Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 350 Assembly Language Programming</td>
<td>3</td>
</tr>
<tr>
<td>-OR- CSCI 372 Comparative Programming Lang</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 370 Computer Organization &amp; Systems *</td>
<td>3</td>
</tr>
</tbody>
</table>

*CSCI 370 is prerequisite to CSCI 350*

**Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 128 Hardware I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 162 Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 164 Networking Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CIS 380 Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 385 Database Theory/Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 491 Senior Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>CSCI 127 Intro to Programming in Java</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 365 Programming Language Topics</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 372 Comparative Programming Lang*</td>
<td>3</td>
</tr>
<tr>
<td>-OR- CSCI 350 Assembly Language Programming*</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 380 Teaching Computer Science **</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 450 Practicum in Computer Science -</td>
<td>1-3</td>
</tr>
<tr>
<td>CSCI 497 Internship</td>
<td>3-12</td>
</tr>
<tr>
<td>MATH 300 Symbolic Logic</td>
<td>1</td>
</tr>
<tr>
<td>MATH 321 Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 330 Linear Algebra &amp; Matrices</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 450 Engineering the Future</td>
<td>3</td>
</tr>
<tr>
<td><em>Can be used as an elective if not being used as a required course.</em></td>
<td></td>
</tr>
</tbody>
</table>

### Earth and Environmental Science Minor

**Required General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 115 Introductory Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>-OR- CHEM 121 General Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 100 Concepts of Physics</td>
<td>4</td>
</tr>
<tr>
<td>-OR- PHYS 161 Introct College Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Courses**  
12 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 100 Introduction to Earth Science</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 106 The Earth Through Time</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 300 Environmental Earth Science</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 170 General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 267 Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 311 Botany</td>
<td>4</td>
</tr>
<tr>
<td>-OR- BIOL 312 Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 343 Ornithology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 347 Aquatic Entomology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 355 Mammalogy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 367 Ichthyology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 410 Field Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 420 Mycology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 470 Limnology</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 110 Introductory Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 275 Planetarium Science</td>
<td>1</td>
</tr>
</tbody>
</table>

*For an emphasis in Earth Science, the student may substitute Earth and Space Science electives for the twelve hours of Biology listed under Electives.*

The student majoring in Biology is required to complete an additional eight hours in Biology.
### English Minor

**Required Courses** 6 Hours  
ENGL 271 Literary Analysis I 3  
ENGL 480 Shakespeare 3  

**Elective Courses** 16 Hours  
- Literature Electives above 200 9  
- Writing Electives 7

### Health Education Minor

**Required General Education Courses**  
Biol 111 or higher Concepts of Biology 4  

**Required Courses** 21 Hours  
- HPER 209 Sport Nutrition Concepts 3  
- HPER 210 First Aid & CPR 1  
- HPER 300 Drug Education & Information 2  
- HPER 315 Elements of Health 3  
- HPER 380 Human Sexuality 3  
- HPER 400 Current Issues in Community Hlth 2  
- HPER 490 Mthds, Curric & Assess of HPE 4  
- SOC 220 The Family 3

**Electives** 6 Hours  
- BIOL 220 Human Anatomy & Physiology 4  
- BIOL 221 Human Anatomy & Physiology 4  
- BIOL 310 MicroBiology 4  
- BIOL 315 Genetics 4  
- HPER 207 Prevention & Care of Athletic Inj 2  
- HPER 258 Applied Anat., Phys. & Hum Perfor 3  
- HPER 259 Applied Anat. Phys. & Hum Perfor 3  
- HPER 385 Intro to Adapted Physical Educ 3  
- HPER 410 Admin of Health, PE, & Athletics 2  
- HPER 485 Assessment of Adapted PE 3  
- MATH 321 Probability & Statistics 3  
- PSYC 370 Abnormal Psychology 3  
- PSYC 410 Mental Health 3  
- SOC 385 Intro to Gerontology 3

### History Minor

**Required Courses** 15 Hours  
- HIST 103 U.S. to 1877 3  
- HIST 104 U.S. to Present 3  
- HIST 211 World Civilizations to 1500 3  
- HIST 212 World Civilizations Since 1500 3  
- HIST 470 Topics in Non-Western History 3

**Electives** 9 Hours  
- **The Americas** 6 Hrs  
  - HIST 220 North Dakota History 3  
  - HIST 260 Women in America 3  
  - HIST 267 Environmental History 3  
  - HIST 270 Native American Studies 3  
  - HIST 300 Race, Ethnic, & Gender Relations 3  
  - HIST 320 History of the American West 3  
  - HIST 330 History Civil War Era (1850-1877) 3  
  - HIST 375 U.S. Constitution: Federalism 3  
  - HIST 376 U.S. Constitution: Civil Liberties 3  
  - HIST 380 The American Presidency 3  
  - HIST 385 History of Canada 3  
  - HIST 450 History of the U.S. Since 1950 3  
- **The World** 3 Hrs  
  - HIST 314 History of Economic Thought 3  
  - HIST 321 Hist of Ancient Greece & Rome 3  
  - HIST 325 Hist & Geog of England & Britain 3  
  - HIST 345 Hist & Geog of Spain & Latin Amer 3  
  - HIST 365 Russia & Her Neighbors 3  
  - HIST 454 Renaissance/Reformation 3  
  - HIST 465 The Contemporary World 3
### Human Resources Minor

**Required Courses**  
24 Hours  
- COMM 304 Corporate Communications 3  
- MGMT 330 Principles of Management 3  
- MGMT 335 Diversity in the Workplace 3  
- MGMT 340 Human Resource Management 3  
- MGMT 370 Business Ethics 3  
- MGMT 426 Comp & Benefits Administration 3  
- MGMT 427 Recruiting and Selection 3  
- MGMT 430 Organizational Behavior 3

### Library Media and Information Science Minor

**Required Courses**  
21 Hours  
- LMIS 250 Intro to Libraries & Info Science 3  
- LMIS 360 Collection Development 3  
- LMIS 365 Organization of Information 3  
- LMIS 370 Reference Sources & Services 3  
- LMIS 430 Admin School Library Media Center 3  
- LMIS 445 Standards of Effective Libraries 3  
- LMIS 470 Current Issues in Librarianship 3  

**Electives**  
3 Hours  
- EDUC 330 Children’s Literature  
- or ENGL 350 Young Adult Literature & Media

*ND Library Media and Credential Information*  
Completion of the five basic courses (LMIS 250, 360, 365, 370, and 430) in the Library Minor and Teacher Certification qualifies students as Library Media Specialists at LMO3 level in ND.  
Completion of the Library Minor (24 hours) as described in the catalog and ND Teacher Certification qualifies students as a Library Media Specialist in ND at the LMO2 level.

### Marketing Minor

The Marketing minor is designed to meet the requirements to teach marketing as set forth by the ND Department of Career & Technical Education. Students seeking CTE certification must take: BOTE 490, CTE 431, CTE 432, CTE 434.

**Teaching**

**Required Courses**  
12 Hours  
- MGMT 330 Principles of Management 3  
- MGMT 485 Entrepreneurship 3  
- MRKT 305 Principles of Marketing 3  
- MRKT 405 Retailing 3  

**Teaching Electives**  
6 hrs  
- BOTE 490 Methods & Mats for Tchg Bus Subj 3  
- CTE 434 Leadership Career/Tech Org 3

**Non-Teaching**

**Required Courses**  
12 Hours  
- MGMT 330 Principles of Management 3  
- MGMT 485 Entrepreneurship 3  
- MRKT 305 Principles of Marketing 3  
- MRKT 405 Retailing 3  

**Non-Teaching Electives**  
6 hrs  
- MRKT 370 Advertising and Promotions 3  
- MRKT 415 Mrkt Research & Info 3

**Directed Electives**  
6 hrs  
- BOTE 337 Authoring Digital Publications 3  
- CTE 431 Hist, Phil, & Practices of CTE 3  
- CTE 432 Coord Cooperative Ed Learning 3  
- COMM 314 Public Relations 3  
- MGMT 340 Human Resource Management 3  
- MGMT 350 Operations Management 3  
- MGMT 372 Foundations of Leadership 3  
- MGMT 426 Compensation and Benefits Adm 3  
- MRKT 319 Website Authoring 3  
- MRKT 370 Advertising & Promotions 3  
- MRKT 414 Social Media Management 3  
- MRKT 415 Marketing Research & Info 3
Mathematics Minor

Required Courses 18 Hours
- MATH 165 Calculus I 4
- MATH 166 Calculus II 4
- MATH 265 Calculus III 4
- MATH 321 Probability & Statistics 3
- MATH 330 Linear Algebra & Matrices 3

Electives 6 Hours
- CSCI 127 Intro to Programming in Java 3
- CSCI 160 Intro Structured Programming I 3
- CSCI 161 Intro Structured Programming II 3
- CSCI 365 Programming Language Topics 3
- MATH 266 Intro to Differential Equations 3
- MATH 300 Symbolic Logic 1
- MATH 311 College Geometry I 2
- or MATH 331 Euclidean Geometry & Topics 3
- MATH 312 College Geometry II 3
- MATH 340 Algebraic Structures I 4
- MATH 400 History of Math & Philosophy 3
- MATH 410 Real Analysis 3

To be admitted to a minor program in Mathematics, the student must successfully complete MATH 103 and 105 with a 2.0 average or better or four years of high school mathematics. Approval of the Mathematics Department is also required. The elective courses must be approved by an advisor from the Mathematics Department.

Music Minor

Required General Education Courses:
- MUS 100 Music Appreciation 3
- Required Courses: 4 Crs
  - MUS 111-112 Class Piano 2
  - MUS 205 Basic Conducting 2

Special Program Requirements:
The student is required to enroll in MUS 200 Concert Attendance (0 credits) every semester.
The student must achieve a grade of C or better in each of the specified courses.

Non-Teaching Track
- After completing two semesters of Applied Music on each level and demonstrating acceptable proficiency the student may register for the next level of applied lessons.
The student must continue enrollment in applied lessons until successful completion of the sophomore applied proficiency examination.

Teaching Track
- MUS 101 Fundamentals 3
- or MUS 109 Music Theory I 3
- MUS 153 Applied Voice (2 semesters) # 2
- MUS 154 Applied Guitar (2 semesters) 2
- MUS 390 Music in the Elementary School 3

Electives 10 Hrs
- Ensemble MUS 131 or 141 4
- MUS 325 Vocal Methods 1
- MUS 332, 333 Music Hist II, III 3 Hrs each
- MUS 378 Applied Pedagogy 3
- MUS 397 VCSU CSA Internship 1-2

* recommended for vocalists
+ Pianists will enroll in 2 credit lessons

# Students may count one semester of MUS 152 Class Voice toward this requirement.

Music Production & Recording

Required General Education Courses
- MUS 100 Music Appreciation 3

Required Courses 24 Hours
- MUS 101 Music Fundamentals 3
- or MUS 109 Music Theory I 3
- MUS 102 Intro to Digital Audio Recording 3
- MUS 143 Garage Band 1
- MUS 207 History of Rock’n’Roll 3
- MUS 209 Adv Recording & Mastering 2
- MUS 309 Music Industry Seminar 3
- MUS 311 Viking Studio Management 2
- MUS 398 Music Industry Practicum 3
- Ensemble (MUS 131, 132, 141, 142, 143, 144) (2 semesters) 2
- Applied Lessons (2 semesters) 2

The student must achieve a grade of C or better in each of the specified courses.
The student is required to enroll in MUS 200 Concert Attendance (0 credit hours) every semester.
Office Management Minor

**Required Courses**  
24 Hours  
ACCT 200 Elements of Accounting I 3  
ACCT 201 Elements of Accounting II 3  
BOTE 309 Business Technology 3  
BOTE 314 Business Reports Comm 3  
BOTE 336 Business Data Solutions 3  
BOTE 337 Authoring Digital Publications 3  
MGMT 340 Human Resource Management 3  
MGMT 350 Operations Management 3  
-or- MGMT 426 Compensation & Benefits Admin 3

B.S. in Education students must take BOTE 490 Methods for Teaching Business Subjects.

Physical Education (Elementary and Secondary) Minor

**Required General Education Courses**  
Biol 111 or higher Concepts of Biology 4

**Required Courses**  
22 Hours  
HPER 208 Introduction to Physical Education 2  
HPER 210 First Aid & CPR 1  
HPER 220 Pract. Application of Fitness Ed 3  
HPER 325 PE in the Elementary Grades 3  
HPER 360 Inst & Org Individ/Dual Activities 3  
HPER 361 Inst & Org of Team Activities 2  
HPER 385 Intro to Adapted Physical Ed 3  
HPER 490 Mthds, Curric & Assess of HPE 4  
HPER 491 Senior Portfolio 1

The student seeking a Physical Education minor is required to pass a proficiency test in swimming. The test is given during the final exam week of each semester.

Physics Minor

**Required General Education Courses**  
CHEM 121 General Chemistry 4  
MATH 165 Calculus I 4

**Required Courses**  
10 Hours  
PHYS 251/L University Physics I/Lab 4/1  
PHYS 252/L University Physics II/Lab 4/1

**Electives**  
14 Hours  
CHEM 122 General Chemistry 4  
CHEM 411 Physical Chemistry 3  
CHEM 412 Physical Chemistry 3  
MATH 166 Analytic Geometry & Calculus II 4  
MATH 265 Analytic Geometry & Calculus III 4  
MATH 266 Differential Equations 3  
PHYS 100 Concepts of Physics 4  
PHYS 110 Introductory Astronomy 4  
PHYS 161 Intro College Physics I/Lab 4/1  
PHYS 162 Intro College Physics II/Lab 4/1  
PHYS 275 Planetarium Science 1  
PHYS 395 Laboratory Preparation & Mgmt 1  
PHYS x94 Ind Study/Undergrad Research 1-4
## Piano Pedagogy Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 109 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 110 Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 121 Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 122 Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 150, 250 Applied Piano (4 sem)</td>
<td>2 each</td>
</tr>
<tr>
<td>MUS 332 Music History &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>-or- MUS 333 Music History &amp; Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUS 378 Applied Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>MUS 379 Piano Pedagogy</td>
<td>3</td>
</tr>
</tbody>
</table>

After completing two semesters of Applied Music on each level and demonstrating acceptable proficiency the student may register for the next level of applied lessons. The student must achieve a grade of C or better in each of the specified courses.

After completing two semesters of Applied Music on each level and demonstrating acceptable proficiency the student may register for the next level of applied lessons. The student must achieve a grade of C or better in each of the specified courses.

The student must continue enrollment in applied lessons until successful completion of the sophomore applied proficiency examination. The student is required to enroll in MUS 200 Concert Attendance (0 credits) every semester.

## Psychology Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 450 Personality Theories</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 470 Counseling Theory &amp; Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

<table>
<thead>
<tr>
<th>Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 310 Behavior Modification</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 350 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 360 Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 370 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 380 Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 410 Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>SOC 220 The Family</td>
<td>3</td>
</tr>
<tr>
<td>SOC 251 Introduction to Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 390 Criminology &amp; Delinquency</td>
<td>3</td>
</tr>
</tbody>
</table>

**Only 3 credits can come from SOC courses**

## Sociology Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 110 Introduction to Sociology *</td>
<td>3</td>
</tr>
<tr>
<td>SOC 422 Social Science Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

* Prerequisite for any SOC 200, 300 or 400 level SOC course.

Electives

<table>
<thead>
<tr>
<th>Electives</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any SOC prefix course can be used to complete this section.</td>
<td>15</td>
</tr>
</tbody>
</table>
Spanish Minor

Required Courses  15 Hrs
SPAN 102 1st Year Spanish II  4
SPAN 201 2nd Year Spanish I  4
SPAN 202 2nd Year Spanish II  4
SPAN 305 Spanish Phonetics  3

Electives  8 Hrs
SPAN 320 Intro to Hispanic Literature  3
SPAN 345 Hist & Geog of Spain & Latin Am.  3
SPAN 415 Adv. Spanish Conversation  3
SPAN 396/496 Travel Span Speak Ctry  1-4

Speech-Communication - Theater Arts Minor

Required Courses  6 Hours
COMM 212 Interpersonal Communication  3
COMM 311 Communication & Interviewing  3

Select a concentration

Concentration in Professional Communication
Required Courses  9 Hrs
COMM 200 Introduction to Media Writing  3
COMM 216 Intercultural Communication  3
COMM 360 Group Dynamics  3

Electives  9 Hrs
At least 6 credits from additional Communication courses at the 300 level or above

A minimum of 3 credits from the following
BOTE 337 Authoring Digital Publications  3
ENGL 410 Technical & Scientific Writing  3
MGMT 330 Principles of Management  3
MRKT 305 Principles of Marketing  3
MRKT 319 Website Authoring  3

Concentration in Speech, Communication, & Theatre for Teachers

Required Courses  9 Hours
COMM 200 Introduction to Media Writing  3
COMM 211 Oral Interpretation  3
THEA 110 Introduction to Theatre Arts  3

Electives  9 Hrs
Any other COMM or THEA courses.*

* Students may use only two credits each of THEA 201, & THEA 401 toward minor.
** Students interested in Musical Theatre may, in consultation with the Director of Theatre and the Music Department Chair, apply six hours of music courses as directed electives.

Teaching English Language Learners Minor

Required Courses  17 Hours
EDUC 283 Understanding Cul Div in Educ  3
EDUC 361 Found Bilingual/Multicultural Ed  2
EDUC 363 Assessing ELL Proficiency  2
EDUC 390 Methods of Teaching ELL  2
EDUC 464 Practicum in the ELL Classroom  2
ENGL 309 Linguistics & Lang Acquisition  3
ENGL 409 Language & Culture  3

Electives  5-6 Hours
COMM 216 Intercultural Communication  3
EDUC 313 Language Growth & Develop  2
ENGL 300 Grammatical Analysis  3
ENGL 350 Young Adult Reading & Lit  3
SPAN 360 Spanish Grammar for Teachers  3

In addition, students must complete one semester or equivalent (one year of high school foreign language study or other as determined by the Department Chair) of college level study in non-native language.
## Technology Education Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>21 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 256 Resources for Technology</td>
<td>2</td>
</tr>
<tr>
<td>TECH 256L Resources for Technology Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 306 Inventions &amp; Innovations for Child</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 306L Inventions &amp; Innovations Child Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 330 Exploring Technology</td>
<td>2</td>
</tr>
<tr>
<td>TECH 330L Exploring Technology Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 331 Innov &amp; Engineering Design</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 331L Innov &amp; Engineering Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 411 STEM Curriculum and Methods</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 431 Design for Engineering</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 431L Design for Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 450 Engineering the Future</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>3 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 300 3D Modeling &amp; Design</td>
<td>2</td>
</tr>
<tr>
<td>TECH 300L 3D Modeling &amp; Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 310 Design, Tech &amp; Eng for Elem</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 310L Design, Tech &amp; Eng for Elem Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 342 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 355 STEM Curric &amp; Methods Elem</td>
<td>3</td>
</tr>
<tr>
<td>TECH 371 Technology Systems</td>
<td>2</td>
</tr>
<tr>
<td>TECH 371L Technology Systems Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 391 Foundations of Technology</td>
<td>2</td>
</tr>
<tr>
<td>TECH 391L Foundations of Technology Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 394 Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>TECH 416 Innovations in Technology</td>
<td>2</td>
</tr>
<tr>
<td>TECH 416L Innovations in Technology Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 456 Intelligent Machines</td>
<td>2</td>
</tr>
<tr>
<td>TECH 456L Intelligent Machines Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 478 Technology Assessment</td>
<td>2</td>
</tr>
<tr>
<td>TECH 478L Technology Assessment Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 495 Senior Problems</td>
<td>1-3</td>
</tr>
</tbody>
</table>

## Theatre Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>16-17 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 110 Introduction to Theatre Arts *</td>
<td>3</td>
</tr>
<tr>
<td>THEA 161 Acting I *</td>
<td>3</td>
</tr>
<tr>
<td>THEA 201 Theatre Practicum</td>
<td>1-2</td>
</tr>
<tr>
<td>THEA 270 Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THEA 361 Acting II - Advanced Acting</td>
<td>3</td>
</tr>
<tr>
<td>or THEA 404 Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 365 Directing the Play</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>9 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 170 Voice Class ***</td>
<td>1</td>
</tr>
<tr>
<td>ART 112 Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 201 Theatre Practicum **</td>
<td>1-3</td>
</tr>
<tr>
<td>THEA 229 Fund of Creative Dramatics</td>
<td>3</td>
</tr>
<tr>
<td>THEA 350 Costume &amp; Makeup Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 401 Theatre Workshop **</td>
<td>1-3</td>
</tr>
<tr>
<td>THEA 404 Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 494 Directed Study</td>
<td>1-3</td>
</tr>
<tr>
<td>THEA 497 Internship **</td>
<td>3-12</td>
</tr>
</tbody>
</table>

* Cannot count course for General Education requirement and Theatre minor
** Up to four credits (each) may be used for the Theatre minor
*** Up to two credits (each) may be used for the Theatre minor
### Athletic Coaching Certificate of Completion

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 109</td>
<td>Exercise Techniques and Prog. Design</td>
<td>3</td>
</tr>
<tr>
<td>HPER 207</td>
<td>Prevent &amp; Care of Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>HPER 210</td>
<td>First Aid and CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPER 350</td>
<td>Sport Ethics</td>
<td>2</td>
</tr>
<tr>
<td>HPER 498</td>
<td>Coaching Practicum</td>
<td>2</td>
</tr>
</tbody>
</table>

**Electives**

- Must complete one of the following:
  - HPER 338 Modern Sports Officiating 2
  - HPER 410 Administration of HPE & Athletics 2
  - HPER 425 Soc/Psy Aspects Sport & PE 2

- The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.

Students taking Coaching Practicum must register for HPER 498 and arrange the Practicum through the course instructor.

**Prerequisites:** HPER 207 and HPER 210

### Customer Relationship Management Certificate

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 276</td>
<td>Business Languages</td>
<td>3</td>
</tr>
<tr>
<td>CIS 381</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 385</td>
<td>Database Theory/Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 420</td>
<td>Internet Languages</td>
<td>3</td>
</tr>
<tr>
<td>CIS 470</td>
<td>CRM and BI</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 127</td>
<td>Introduction to Programming in Java</td>
<td>3</td>
</tr>
</tbody>
</table>

### Digital Design Certificate of Completion

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 112</td>
<td>Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 231</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 331</td>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 440</td>
<td>Advanced Digital Web Design</td>
<td>3</td>
</tr>
<tr>
<td>-or- BOTE 337</td>
<td>Authoring Digital Publications</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 319</td>
<td>Web Site Authoring</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

- Must complete one of the following:
  - HPER 301 Phil & Appl of Football Coaching 2
  - HPER 302 Phil & Appl of Basketball Coaching 2
  - HPER 303 Phil & Appl of Volleyball Coaching 2
  - HPER 304 Phil & Appl Baseball/Sftball Coach 2
  - HPER 305 Phil & Appl of Track & Field Coach 2
  - HPER 499 Directed Readings/Special Topics 2

### Enterprise Applications Certificate

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 369</td>
<td>Enterprise Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIS 381</td>
<td>Project Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives**

- Must complete one of the following:
  - CIS 276 Business Languages 3
  - CIS 371 Enterprise Systems II 3
  - CIS 380 Systems Analysis and Design 3
  - CIS 385 Database Theory/Design 3
  - CIS 410 Advanced Business Languages 3
  - CIS 470 CRM and BI 4
  - CIS 475 Integration of Business Processes in SAP ERP 6
  - CSCI 160 Introduction to Structured Programming I 3
  - CSCI 365 Programming Language Topics 3

- The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.
## Music Composition Certificate of Completion

**Required Courses**  
- MUS 109 Music Theory I  
- MUS 110 Music Theory II  
- MUS 201 Music Theory III  
- MUS 121 Aural Skills I  
- MUS 122 Aural Skills II  
- MUS 203 Aural Skills III  
- MUS 120 Composition (2 semesters)  
- MUS 220 Composition (1 semester)  

The Certificate of Completion in Composition can be completed in three semesters with a specific focus on the study of compositional styles, transformational procedures in composition, and their creative applications.

## Music Production & Recording Certificate of Completion

### Required General Education Courses
- MUS 100 Music Appreciation  

### Required Courses
- **15 Hours**  
  - MUS 101 Music Fundamentals  
  - or MUS 109 Music Theory I  
  - MUS 102 Introduction to Digital Audio Recording  
  - MUS 207 History of Rock’n’Roll  
  - MUS 209 Advanced Recording & Mastering  
  - MUS 309 Music Industry Seminar  
  - MUS 143 Garage Band  

## Piano Pedagogy Certificate of Completion

### Required Courses
- **15 Hours**  
  - MUS 109 Music Theory I  
  - MUS 121 Aural Skills I  
  - MUS 150 Applied Piano (1 semester)  
  - MUS 332 Music History II - or  
  - MUS 333 Music History III  
  - MUS 378 Applied Pedagogy  
  - MUS 379 Piano Pedagogy  

## Strength and Conditioning Certificate of Completion

### Required Courses
- **13 Hours**  
  - HPER 109 Exercise Techniques & Program Design  
  - HPER 209 Sport Nutrition Concepts  
  - HPER 210 First Aid & CPR  
  - HPER 258 Applied Ana/Phys & Human Performance  
  - HPER 390 Fitness Assessment & Exercise Prescription  

This certificate focuses on the principles of strength and conditioning, including exercise techniques, nutrition, and assessment methods.
STEM Education - Elementary Certificate of Completion

Required Courses
- STEM ED 306 Invent/Innov-Tech Ed for Children 2
- STEM ED 306L Invent/Innov-Tech Ed for Children Lab 1
- STEM ED 310 Design/Tech/Eng for Elementary 2
- STEM ED 310L Design/Tech/Eng for Elementary Lab 1
- STEM ED 342 Building Math 3
- STEM ED 355 STEM Curriculum & Methods for Elementary 3

STEM Education - Secondary Certificate of Completion

Required Course
- STEM ED 411 STEM Curriculum and Methods 3

Electives
- STEM ED 342 Building Math 3
- STEM ED 331 Innovation/Engineering Design 2
- STEM ED 331L Innovation/Engineering Design Lab 1
- STEM ED 431 Design for Engineering 2
- STEM ED 431L Design for Engineering Lab 1
- STEM ED 450 Engineering the Future 3

Early Childhood Endorsement

Accredited online coursework for Early Childhood Endorsement

THE ND Early Childhood Endorsement certifies teachers to teach preschool and kindergarten in accredited settings. An Early Childhood Endorsement is an attachment to an Elementary Education license and though originally designed for the re-education for teachers, VCSU encourages Elementary Education Majors to consider this option if they have a desire to teach preschool or kindergarten.

All coursework leading to the ND Early Childhood Endorsement is offered online. Coursework can be completed through VCSU and Casper College, WY.

Required Course
- EDUC 310 Intro to Early Childhood Education 3
- EDUC 313 Language & Literacy in Early Childhood Education 2
- EDUC 337 Pre-K Observation & Assessment 3
- EDUC 435 Kindergarten Education & Curriculum 4
- EDUC 485 Student Teaching or one year teaching K, 1st or 2nd grade 5
- EDEC 1200 *Administration & Leadership in ECE (from Casper College) 3
- EDEC 1030 *Infant & Toddler Care (from Casper College) 2
- EDEC 1035 *Infant & Toddler Care (lab) 1

* Indicates courses taken from Casper College, WY

Teaching English Language Learners (ELL) Endorsement

All coursework leading to the Endorsement is ELL is offered online.

The coursework requires a 60-hour ELL practicum where the student will observe, teach, and assess ELL students under the supervision of an endorsed ELL teacher. This allows pre-service teachers the opportunity to actively work with the populations that they will teach, and often the pre-service teachers are hired by the same school systems in which they perform their ELL.
## Kindergarten Endorsement

**Accredited online coursework for Middle Level Endorsement**

The ND Kindergarten Endorsement certifies teachers to teach preschool and kindergarten in accredited settings. A Kindergarten Endorsement is an attachment to an Elementary Education license and though originally designed for re-education or teachers, VCSU encourages Elementary Education Majors to consider this option if they have a desire to teach preschool or kindergarten.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 310</td>
<td>Introduction to Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 313</td>
<td>Language and Literacy in Early Childhood Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 337</td>
<td>Pre-K Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 435</td>
<td>Kindergarten Education and Curriculum</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 485</td>
<td>Student Teaching or One year K-1 Experience</td>
<td>5</td>
</tr>
</tbody>
</table>

## ND Middle Level Endorsement

**Accredited online coursework for Middle Level Endorsement**

The middle level endorsement is an optional certification that is added to a North Dakota teacher license. The program is intended to serve students majoring in elementary and secondary education, as well as, practicing teachers who wish to teach in North Dakota middle school.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 305</td>
<td>Philosophy and Curriculum of Middle Level Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 375</td>
<td>Teaching Reading in the Content Area</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 470</td>
<td>Methods of Teaching in the Middle School</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 250</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Students are required to complete a 20 hour practicum in an approved middle level setting.

## Strategist Special Education Endorsement

### Why seek a Special Education Endorsement?

The strategist special education endorsement allows teachers with valid North Dakota educator’s professional license in elementary education to:

- teach in an elementary education classroom
- teach or provide direct instruction to all LD, ED, or ID elementary students
- consult K-12, LD, or ID students

The Special Education Endorsement at VCSU follows the Endorsement requirements specified by the North Dakota Education Standards and Practices Board. Teachers outside North Dakota seeking to use this coursework for certification need to determine the specific requirements for teacher certification in their state. The Special Education Endorsement is predicated upon an education degree.

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 240</td>
<td>Educating Exceptional Students</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 250</td>
<td>Intro to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300</td>
<td>Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 323</td>
<td>Methods of Reading Instruction</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 340</td>
<td>Learning Disabilities, Emotional Disorders, and Intellectual Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 430</td>
<td>Diagnosis, and Correction of Reading Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SPED 310</td>
<td>Behavior Modification</td>
<td>3</td>
</tr>
<tr>
<td>SPED 333</td>
<td>Assessment of Students with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 334</td>
<td>Practicum - Assessment of Students with Disabilities</td>
<td>2</td>
</tr>
<tr>
<td>SPED 380</td>
<td>Collaboration, Consultation, and Transition Planning for Students with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 382</td>
<td>Methods and Materials of SLD</td>
<td>2</td>
</tr>
<tr>
<td>SPED 383</td>
<td>Methods and Materials of ED</td>
<td>2</td>
</tr>
<tr>
<td>SPED 384</td>
<td>Methods and Materials of ID</td>
<td>2</td>
</tr>
<tr>
<td>SPED 385</td>
<td>Practicum in SLD</td>
<td>1</td>
</tr>
<tr>
<td>SPED 386</td>
<td>Practicum in ED</td>
<td>1</td>
</tr>
<tr>
<td>SPED 387</td>
<td>Practicum in ID</td>
<td>1</td>
</tr>
</tbody>
</table>

Requirements also include 24 credits in a content area such as Math, Science, English, or Social Science. An option to completing the 24 credits in a content area involves a passing score on the Praxis II middle school content test.
Title I Reading Credential

All coursework leading to the credential is offered online.

To obtain a reading credential, students apply to the North Dakota Department of Public Instruction after graduation and attainment of their initial North Dakota license for elementary teaching.

1. Hold a valid North Dakota educator’s professional license.

2. Have a major, or endorsement, in elementary education.

3. Complete the following courses:
   - EDUC 375 Teaching Reading in the Content Area 2
   - EDUC 430 Diagnosis and Correction of Reading Difficulties 3
   - EDUC 431 Practicum in Corrective Reading (Elementary) 2

4. Complete a minimum of eight semester hours in no fewer than three courses. The coursework must consist of no more than two classes from each of the following areas:

   **Early Childhood**
   - EDUC 310 Intro to Early Childhood Education 3
   - EDUC 313 Language & Literacy in Early Childhood Education 2

   **Research & Literature in Reading/Language Arts**
   - EDUC 321 Foundations of Reading Instruction 3
   - EDUC 323 Methods of Reading in the Elementary School 2
   - EDUC 330 Children’s Literature 3

   **Exceptional Child**
   - EDUC 240 Educating Exceptional Students 2
   - EDUC 340 Learning Disabilities 2
Undergraduate Course Descriptions

ACADEMIC SKILLS COURSES

ASC 87 WRITING SKILLS 1 HOUR
A basic writing course that prepares students for ENGL 110. Topics include writing error-free sentences, solid paragraphs and well-organized essays. Required for students with ACT English subtest score below 14. (Fall)

ASC 88 COMPOSITION LAB 1 HOUR
A composition lab that supports the writing skills of students enrolled in ENGL 110. Required for students with ACT English subtest scores of 14-17. Co-requisite: English 110. (Fall, Spring)

ASC 091 ALGEBRA PREP I 2 HOURS
The course begins the development of fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include operations with whole numbers and fractions, order of operations, simplification and evaluation of expressions, and evaluation of one and two step linear equations. Study skills will be incorporated throughout the courses. This course does not satisfy any graduation requirement. Placement by an ACT Math score of 0-15, SAT Critical Reading + Mathematics score of 0-760, or COMPASS Pre-Algebra score 0-33. This course is offered collaboratively through Dakota College Bottineau.

ASC 092 ALGEBRA PREP II 2 HOURS
The course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include the solutions of linear equations and inequalities, formula manipulation, Cartesian geometry and the graphing of linear equations and inequalities, systems of equations, and introduction to functions. Study skills will be incorporated throughout the course. This course does not satisfy any graduation requirement. Prerequisite: placement by an ACT Math score of 16-18, SAT Critical Reading + Mathematics score of 770-890, COMPASS Pre-Algebra score 34-56, or completion of ASC 091 with a grade of “C” or better. This course is offered collaboratively through Dakota College Bottineau.

ASC 093 ALGEBRA PREP III 2 HOURS
This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include exponents and radicals, algebraic manipulation involving polynomial and rational forms, and unit analysis. Study skills will be incorporated throughout the course. Credit earned does not count towards any degree, nor does it transfer. Placement by ACT or placement scores. This course is offered collaboratively through Dakota College Bottineau.

ACCOUNTING

ACCT 200 ELEMENTS OF ACCOUNTING I 3 HOURS
An introduction to the basic principles of the complete accounting cycle. (Fall)

ACCT 201 ELEMENTS OF ACCOUNTING II 3 HOURS
An exploration of partnership and corporate accounting and the uses of accounting information by managers. Prerequisite: “C” or better in ACCT 200. (Spring)

ACCT 207 MANAGERIAL ACCOUNTING 3 HOURS
A course designed for non-accounting majors interested in management. Coverage includes the application of accounting concepts and techniques to managerial activities of planning, control, and decision making. Prerequisites: ACCT 201 and BOTE 336. (Spring)

ACCT 305 COST ACCOUNTING 3 HOURS
A study of the principles and techniques used to account for and analyze costs incurred to produce goods and services. Prerequisites: ACCT 201 and BOTE 336. (Fall)

ACCT 315 BUSINESS IN THE LEGAL ENVIRONMENT 3 HOURS
A study of the legal environment of business, governmental regulation, contracts and property. (Fall, Spring)

ACCT 321 FINANCIAL REPORTING & ANALYSIS I 3 HOURS
A study of the asset side of the balance sheet. Course work includes an equal blend of accounting and reporting theory as well as application of generally accepted accounting principles (GAAP). The course, the first in a two semester sequence, provides an understanding of the environment in which financial reporting choices are made and how to use the data in making decisions. Prerequisite: ACCT 201. (Fall)

ACCT 322 FINANCIAL REPORTING & ANALYSIS II 3 HOURS
An investigation of the liability and equity side of the balance sheet. The course provides an overview of variations in international financial reporting. It is an equal blend of accounting and reporting theory as well as application of generally accepted accounting principles. The course is the second in a two semester sequence and offers a more in-depth analysis of the topics covered in ACCT 321. Prerequisite: ACCT 321. (Spring)

ACCT 355 FEDERAL TAXATION 3 HOURS
A study of the fundamentals of federal income tax with major emphasis upon tax law and regulations applicable to individuals. Prerequisite: ACCT 201. (Fall)

ACCT 450 PRINCIPLES OF AUDITING 3 HOURS
A study of auditing principles and practices including evidence gathering, internal controls, sampling and testing, report writing, ethics and legal liabilities. Prerequisite: ACCT 322 (Spring)

ACCT 460 FUND ACCOUNTING 3 HOURS
A comprehensive study of financial accounting, control, and reporting for governmental and non-profit entities. Prerequisite: ACCT 321 (Spring)
ART 110 INTRODUCTION TO THE VISUAL ARTS 3 HOURS
A study of the visual arts of western and non-western cultures with an emphasis on understanding art and art-making through form, content, and cultural context. (Fall, Spring)

ART 112 DESIGN 3 HOURS
A research of two-dimensional and three-dimensional design principles. Emphasis is placed on the use of special techniques for image-making and use of space. This course may not be audited. (Fall)

ART 155 INTRODUCTION TO PHOTOGRAPHY 2 HOURS
A fundamental course in the basics of photography. Course work includes camera operation, exposure, composition, light, and equipment. Students have shooting assignments on composition, landscapes, architecture, and portraits. Cross-referenced with COMM 155 (Fall, Spring)

ART 221 PRINTMAKING 3 HOURS
A basic course in printmaking processes, including intaglio, relief, and planographic techniques. This course may not be audited. (Fall, odd years; Spring, even years)

ART 231 DRAWING 3 HOURS
An introductory drawing course which covers the fundamentals: black and white materials and their use, and art language. Perceptual skills and the use of basic drawing tools are developed. This course may not be audited. (Fall, Spring)

ART 241 PAINTING 3 HOURS
An exploration of painting techniques with emphasis on understanding the personalities and parameters of each painting media and tool. This course may not be audited. (Fall, even years; Spring, odd years)

ART 255 DIGITAL AND ADOBE ELEMENTS 2 HOURS
A fundamental course in the capturing and altering of digital images. Course work includes use of Photoshop Elements, Power Point, and the development of a portfolio. Cross-referenced with COMM 255. Prerequisite: ART 155 or COMM 155. (With sufficient student demand)

ART 261 SCULPTURE 3 HOURS
Introduction to basic sculpture materials and techniques which explores traditional and contemporary sculpture materials and processes. The emphasis is on both additive and subtractive methods. Students are instructed in the proper use and application of hand and power tools, material selection, and safety issues. Prerequisite: ART 112 or consent of instructor (Fall, odd years)

ART 281 CERAMICS 3 HOURS
An introductory course in basic ceramic processes and materials, focusing on throwing on the potter’s wheel, hand building, and firing at stoneware temperatures. Students will acquire an awareness of the historical development of ceramics within various cultures and explore studio techniques related to these historical and cultural contexts. This course may not be audited. (Fall, even years; Spring)

ART 309 ART BUSINESS 3 HOURS
An introductory course that assists the student in understanding the business of art. Gives students a foundation in tax laws; copyright; contracts; wholesale and retail sales; and the operation of galleries, museums, and the online environment. (Spring, odd years)

ART 311 ART HISTORY SURVEY I 3 HOURS
The study of art forms and cultures from prehistoric times to the Early Renaissance. It is recommended that a student complete Art 110 or HUM 202 prior to enrolling in ART 311. (Fall, even years)

ART 312 ART HISTORY SURVEY II 3 HOURS
The study of art forms and cultures from the Renaissance to the early 20th century. It is recommended that a student complete Art 110 or HUM 202 prior to enrolling in ART 312. (Spring, odd years)

ART 321 PRINTMAKING 3 HOURS
An advanced course in printmaking processes including intaglio, relief, and planographic techniques and the development of full color printmaking. Prerequisite: ART 221. This course may not be audited. (Fall, odd years; Spring, even years)

ART 322 PRINTMAKING 3 HOURS
Advanced research into chosen printmaking area, including intaglio, relief, monotype, screenprinting, and combined process. Prerequisite: ART 321. This course may not be audited. (Fall, odd years; Spring, even years)

ART 331 DRAWING 3 HOURS
An advanced drawing course with an emphasis on the development of sophisticated drawing skills and an introduction to color tools. Prerequisite: ART 231. This course may not be audited. (Fall, Spring)

ART 332 DRAWING 3 HOURS
Advanced research into drawing which may include figure drawing and illustration. Prerequisite: ART 331. This course may not be audited. (Fall, Spring)

ART 341 PAINTING 3 HOURS
An advanced course in paint exploration with emphasis on development of chosen media and personal image. Prerequisite: ART 241. This course may not be audited. (Fall, even years; Spring, odd years)

ART 342 PAINTING 3 HOURS
Advanced research into chosen painting media and professional development of personal image. Prerequisite: ART 341. This course may not be audited. (Fall, even years; Spring, odd years)

ART 355 ADVANCED PHOTOGRAPHY 2 HOURS
An advanced course in photography emphasizing composition, portraits, close-ups, filters, and the study of lighting. Cross-referenced with COMM 355. Prerequisite: ART 155 or COMM 155. (With sufficient student demand)

ART 381 CERAMICS 3 HOURS
An advanced course in ceramics with emphasis on exploration of more sophisticated throwing and hand building techniques toward the development of a personal image. Includes an introduction to clay and glaze chemistry, an exploration of firing processes, and the study of the ceramic revolution and contemporary ceramics. Prerequisite: ART 281. This course may not be audited. (Fall, even years; Spring)

ART 382 CERAMICS 3 HOURS
Advanced research into chosen ceramic techniques with emphasis on professional development and development of a personal image. Prerequisite: ART 381. This course may not be audited. (Fall, even years; Spring)
ART 397 VCSU CSA INTERNSHIP 1 HOUR
Allows the student to teach under faculty supervision in the Community School of the Arts. May be repeated for credit. Prerequisite: Approval of the Director of the Community School of the Arts. (Fall, Spring)

ART 398 PRACTICUM IN ELEMENTARY ART METHODS 2 HOURS
A field experience in the elementary classroom for Art Education majors. Students will gain practical experience in teaching art lessons at a variety of levels under the supervision of the classroom teacher. Prerequisites: Admission to Teacher Education. (Fall, Spring)

ART 399 SPECIAL TOPICS - STUDIO 1-3 HOURS
Advanced study in selected media or multi-media areas. Prerequisites: Completed sequential requirements of the media and permission of the instructor. This course may not be audited. (By arrangement)

ART 411 ART HISTORY III: CONTEMPORARY 3 HOURS
Advanced study of art-making and art theory in Western Europe and the United States from 1940 to the present. It is recommended that a student complete Art 311 and 312 prior to enrolling in ART 411. (Fall, odd years)

ART 412 ART HISTORY IV: TRIBAL ART 3 HOURS
Advanced study of tribal art making and culture in the Americas, Africa and the Pacific Islands. It is recommended that a student complete Art 311 and 312 prior to enrolling in ART 412. (Spring, even years)

ART 490 SECONDARY and ELEMENTARY ART METHODS 4 HOURS
A course for the elementary and secondary art teacher emphasizing teaching methods, materials, techniques, curriculum and maintenance of an art facility. Prerequisite: Admission to Teacher Education (Fall, even years)

ART 491 PROFESSIONAL PRACTICES 2 HOURS
Assists the student in the professional aspect of visual arts, which includes resume development, writing the artist statement, documentation and presentation of work, gallery talk, and development of career portfolio. It also assists the student in developing the digital portfolio used to assess the student’s completion of the VCSU Abilities and Skills requirement. (Fall)

ART 492 SENIOR EXHIBITION 1 HOUR
A course that assists the student in the capstone project. Includes final preparation for the Artist’s Lecture, the press release package, and the installation of the Senior Exhibition. Prerequisites: ART 491.

ART 494 INDEPENDENT STUDY 1-3 HOURS
Extended study in studio art or art history. Faculty approval required. This course may not be audited. (By arrangement)

ART 497 INTERNSHIP 3-12 HOURS
Designed to give the student an opportunity to apply classroom learning to an on-the-job work experience. Internship positions may be anywhere (geographically). The positions must be related to the student’s major or minor course of study. Internship credit is granted in a range of three to twelve credits per semester, and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: the student should be of junior or senior standing, but should apply while a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

ART 499 SPECIAL TOPICS: ART HISTORY 3 HOURS
Selected topics taught by art faculty. It is recommended that a student complete HUM 202 prior to enrolling in ART 499. (By arrangement)

BIOLOGY

BIO 111 CONCEPTS OF BIOLOGY 4 HOURS
An introductory level non-majors transferable class designed to meet the requirements of a Lab Science. This class is an introduction to the major concepts of modern Biology through lecture and laboratory work on the structure, function, diversity, and interrelationships of living organisms, with emphasis on areas of human concern. (Fall, Spring, Summer)

BIO 121 INTRODUCTION TO FISHERIES & WILDLIFE SCIENCES 4 HOURS
An introduction to the basic principles that are integral to understanding fisheries and wildlife sciences. The course covers the history of management and legislation, general concepts of management, general field and lab methods, and wildlife and fisheries careers. (Fall)

BIO 122 FISHERIES & WILDLIFE TECHNIQUES 4 HOURS
A study of the field and laboratory techniques necessary for management and research of fish and wildlife populations, habitat evaluation, and sex and aging techniques. (Spring)

BIO 150, 151 GENERAL BIOLOGY 4 HOURS EACH
A two-semester sequenced study of the fundamental concepts of Biology through lecture and laboratory work. BIO 150 is focused on cellular Biology and physiology. BIO 151 focuses on concepts such as classification, evolution, and ecology. Recommended for students interested in science (required for certain majors and minors). (150-Fall; 151-Spring)

BIO 170 GENERAL ZOOLOGY 4 HOURS
A survey of the animal kingdom. Major invertebrate and vertebrate animal groups are studied with emphasis on structure, function, life history and evolutionary advancements of each. (Spring)

BIO 200 FIELD BIOLOGY 2 HOURS
A survey of the animal and plant species in local natural habitats with concentrated work on a selected topic. Field trips for collection, identification, and preservation of specimens are required. (With sufficient demand, Summer)

BIO 220 HUMAN ANATOMY & PHYSIOLOGY I 4 HOURS
A study of the structures and functions of the human body. The lab work includes physiological exercises, cat dissection with comparison to human structures and computer simulations. Topics include cells and tissues and the skin, bone, muscle, circulatory, and the respiratory system. Prerequisites: BIO 111 or 150 or 151. (Fall)

BIO 221 HUMAN ANATOMY & PHYSIOLOGY II 4 HOURS
A study of the structures and functions of the human body. The lab work includes physiological exercises, cat dissection with comparison to human structures and computer simulations. Topics include nerve system and the brain, senses and special senses and the endocrine, immune, reproductive, urinary and digestive systems. This course is designed to fulfill the anatomy and physiology requirements for psychology majors. Prerequisites: BIO 111 or 150 or 151. (Spring)

BIO 267 ENVIRONMENTAL HISTORY 3 HOURS
A survey of the interrelationship between the natural environment and the people who inhabit the land. Emphasis is given to the factors and events which have changed and challenged America’s attitude toward the land and its natural resources. The course covers both grassroots movements and government policies that have resulted in the conservation and environmental movements in American history. Cross-referenced with HIST 267. (Spring, odd years)
BIOL 310 MICROBIOLOGY  4 HOURS
An introduction to the morphology, physiology, taxonomy, and ecology of microorganisms. Lecture and laboratory work deal with the history, isolation, identification, and culture of microorganisms. The fields of epidemiology, bioethics, and environmental microbiology will be discussed. Prerequisites: one course in Biology and one course in Chemistry. (Spring)

BIOL 311, 312 BOTANY  4 HOURS EACH
A two-semester study of the diversity of plants, their classification, anatomy, physiology, and ecology includes a general overview of fungi and algae. Fall semester emphasizes the identification of North Dakota plants and economic botany. Course work includes field and laboratory work. Prerequisites: BIOL 150 and BIOL 151. (BIOL 311-Fall; BIOL 312-Spring odd years)

BIOL 315 GENETICS  4 HOURS
A study of the basis of heredity with emphasis on the structure and function of DNA and Mendelian genetics. Course work includes lecture and discussion on concepts in linkage, mutation, mechanisms of heredity, genetic mapping, molecular genetics, population genetics, current issues and research in genetics. Laboratory work includes experiments with Drosophila chromosomes and inheritance patterns. Prerequisites: BIOL 150 and 151. (Fall, odd years; alternates with BIOL 441)

BIOL 330 NORTH DAKOTA FLORA  3 HOURS
A systematic study of North Dakota summer flora including field work consisting of plant identification and ecology. Lectures and lab work cover taxonomy and classification, and the medicinal and economic value of plants. Prerequisite: One semester of Biology. (Summer, With sufficient student demand)

BIOL 343 ORNITHOLOGY  4 HOURS
A study of the identification, life history, physiology, migration, and ecology of birds. Course includes frequent field trips for practice in the recognition of species common to North Dakota. Prerequisite: BIOL 151 or permission of the instructor. (Spring)

BIOL 347 AQUATIC ENTOMOLOGY  4 HOURS
A study of the diversity of aquatic insects and invertebrates focusing on their identification and importance in aquatic ecosystems. Course includes frequent field trips for collection of specimens. Prerequisite: BIOL 150 and BIOL 151. (Fall)

BIOL 355 MAMMALOLOGY  4 HOURS
A study of the Biology, classification, biogeography, ecology, and behavior of North American mammals. Labs cover trapping, mammal identification and life histories, and multiple field trips. Prerequisite: BIOL 151 or permission of instructor. (Fall)

BIOL 360 ENVIRONMENTAL LAW & REGULATIONS  3 HOURS
An introduction to environmental laws and policies including their development and current status. State and Federal laws affecting fish and wildlife; their application and administration; and the organizational structure of state and federal agencies will be covered. (Spring, odd years)

BIOL 367 ICHTHYOLOGY  4 HOURS
A study of the Biology, classification, biogeography, ecology, evolution, and behavior of fishes, with special emphasis on fishes found in the northern Great Plains. Labs cover identification and life histories of fishes and includes field trips. Prerequisite: BIOL 151 or permission of instructor. (Fall)

BIOL 375 CONSERVATION BIOLOGY  4 HOURS
An introduction to the study and conservation of biodiversity. Topics include historical and current trends in conservation of Biological diversity, migratory corridors, endangered species, invasive species, conservation of genetic integrity, and island biogeography. Prerequisites: BIOL 150, 151, and 170.

BIOL 380 HUMAN SEXUALITY  3 HOURS
A study of the role and meaning of human sexuality in relation to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with HPER/PSYC 380. (Fall F2F, Spring F2F)

BIOL 395 LABORATORY PREPARATION & MANAGEMENT  1 HOUR
A practicum-like course that allows the student to directly assist the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratories. This course may be repeated up to three semester credit hours. (Fall, Spring, Summer)

BIOL 410 FIELD ECOLOGY  4 HOURS
A study of plant and animal communities, their diversity, interactions and adaptation to the environment. The course includes extensive fieldwork, independent research, statistical analysis and scientific writing. Prerequisites: BIOL 150 and BIOL 151. (Fall, even years)

BIOL 411 WILDLIFE MANAGEMENT  4 HOURS
A study of advanced principles and applications of the management of terrestrial vertebrates and their population dynamics. Strategies for wildlife conservation, utilization, and enhancement are covered. Labs cover the collection and analysis of data, scientific writing, and consist of multiple field trips. Prerequisites: BIOL 121 and 122, or permission of instructor. (Fall)

BIOL 412 FISHERIES MANAGEMENT  4 HOURS
A study of advanced principles of managing fisheries resources with an emphasis on freshwater fishes and ecosystems. Includes field and laboratory techniques used in fisheries management and research. Prerequisites: BIOL 121, 122, and 367 or permission of instructor. (Spring)

BIOL 430 HUMAN DIMENSIONS IN FISHERIES & WILDLIFE  3 HOURS
The objective of this course is for students to build an understanding and appreciation for the role of human dimensions in fisheries and wildlife management. Topics covered include public relations and communication for natural resource managers, land ethic, agency administration, natural resource law enforcement, and survey preparation. Prerequisites: BIOL 121 and 122. (Spring, even years)

BIOL 440 BIOSTATISTICS AND EXPERIMENTAL DESIGN  4 HOURS
An introduction to analysis and interpretation of Biological data. Topics include statistical assessment of field and laboratory research, experimental design, and application of computer software. Prerequisite: Math 103.
Biol 441 Cell Biology 4 Hours
A study of processes common to life at the cellular level including biochemical and structural organization, membrane function, motility, signal transduction, growth, division, and genetic regulation of the cellular function. Laboratory work utilizes techniques to study life at the cellular level including chemical composition and characterization, enzyme kinetics, metabolism, and microscopy. Prerequisites: One class of Biology and one class of chemistry. (Fall, even years)

Biol 455 Introduction to GIS 4 Hours
An application of the principles of geographic information systems and integrally related mapping to solve problems related to natural resource management and other environmental issues. Comprehensive lab assignments are included to give students hands-on experience solving problems with current state-of-the-art software and GIS units, including data creation, data integration, mapping, and spatial analysis. (Spring)

Biol 470 Limnology 3 Hours
The study of Biological, physical and chemical features of freshwater ecosystems. The course includes field sampling, lab work and GIS mapping. Prerequisites: Biol 150 and 151, Chem 121 and 122. (Fall)

Biol 490 Secondary Sci. Methods & Techniques 3 Hours
A course designed to prepare prospective science teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and the ordering of equipment and supplies. The course includes laboratory practice experience. Prerequisites: Status of at least a second semester junior with a major or minor in science and admission to Teacher Education. (Fall)

Biol 491 Senior Portfolio 1 Hour
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

Biol 494 Capstone Research 16 Hours
An opportunity for students to perform research fulltime at VCSU. Students design and perform research, write a report at the end of the semester, and give a presentation for fellow students. Students are encouraged to present at Scientific Meetings for a professional audience. Students are required to research the literature within their subject. Prerequisite: Permission of instructor. (On Demand).

Biol 497 Internship 3-12 Hours
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50 & approval of the project by science department faculty. S/U grading only. (Fall, Spring, Summer)

Biol 294, 394, 494 Independent Study/ Undergraduate Research 1-4 Hours
The capstone course for all science majors. The course is designed to integrate the subject matter from basic science courses and other disciplines into the formulation, investigation, analysis, and presentation of the results of a scientific project. Project requests should be submitted three semesters before graduation. Prerequisites: Junior standing; approval of the project by the Science Department faculty. (By arrangement)

Biol 299, 399, or 499 Special Topics 1-4 Hours
A selected topic designed to integrate and augment the subject matter from basic science courses and other disciplines. The course may include internships, research, field studies, and other topics not included in other course offerings. A total of 4 credits of Special Topics may be applied to the major as directed electives. Prerequisites: approval of the project by the science faculty. (By arrangement)

Business and Office Technology Education

Bote 102 Keyboarding I 3 Hours
An introduction to keyboarding techniques to develop speed, accuracy, and formatting skills. Students learn to key a wide variety of business communication forms including memos, letters, tables, manuscripts, and reports from straight copy, rough drafts, and unarranged copy. Activities will focus on the integration of, critical thinking skills, and decision-making in job-related simulations. (Spring)

Bote 309 Business Technology 3 Hours
An examination of how technology is used to manage business responsibilities such as recruiting, selection, benefits administration, performance management, and employee development. Topics include analyzing needs, implementing new technology, types of technology and security. (Fall)

Bote 314 Business Reports & Communication 3 Hours
A focus on the improvement of oral and written communication skills for application in today’s global business environment. This course includes exploration and application of modern communication theory, legal and ethical concerns, and technology use. Intrapersonal, interpersonal, and group communication processes and skills are reviewed, as is public presentation of information. Prerequisite: Enlg 125. (Fall, Spring)

Bote 336 Business Data Solutions 3 Hours
An exploration of the advanced concepts of spreadsheets and database tools. This course provides intermediate/advanced students with the theory and ability needed to apply such knowledge in a business environment (Fall, Spring).

Bote 337 Authoring Digital Publications 3 Hours
An exploration of the advanced concepts of word processing and desktop publishing. This course provides intermediate/advanced students with the theory and ability needed to create effective professional business publications. (Fall, Spring)

Bote 490 Methods & Materials For Teaching Business Subjects 3 Hours
An exploration of the curriculum, methods, materials, trends, and philosophy in the teaching of Business Education. Students will be exposed to the Teaching and Learning Capstone requirements. Special emphasis is placed on technology, various instructional strategies, and Technical Education Teacher Credentialing requirements in lieu of CTE 490, Methods for Teaching Career and Technical Education subjects. The course must be taken before student teaching. (Fall)

Business

Busi 199-499 Special Topics 1-3 Hours
Seminars, workshops, or individual study in business or business education. Prerequisite: Permission of instructor and approval of Division Chair. (Fall, Spring, Summer)
BUSI 242 INTRODUCTION TO AGRICULTURE MANAGEMENT 3 HOURS
This course is an overview of the agricultural industry and will focus on the topics of agricultural policy, food, energy, sales, product and pricing, agricultural finance, and production and operation management. The course will expose students to the impact of the industry on our economy and society and identify opportunities for careers in the field of agricultural industry. (Fall)

BUSI 249 BUSINESS PROFESSION & EMERGING LEADERS 1 HOUR
An introduction to the business professions with emphasis on program requirements. The study, practice and performance of marketing, management, entrepreneurship, finance and human resources. (Fall, Spring)

BUSI 341 AGRICULTURAL ECONOMICS 3 HOURS
An introductory course in agricultural and environmental economics. Explores the relationships between production, food systems, world markets, government programs, farms, agribusiness and the environment. Prerequisites: ECON 201, ECON 202 (Spring)

BUSI 342 FINANCIAL ANALYSIS OF AGribUSINESS 3 HOURS
A study of production economics and tools that are used to make sound management decisions for the agriculture producer and leaders in the agribusiness industry. This course uses FINPACK software. A copy for educational use only is provided. Prerequisites: ACCT 200, ACCT 201, and BOTE 336 (Spring)

BUSI 346 AGRICULTURE COMMODITY MARKETING 3 HOURS
Explores the basics of commodity marketing and demonstrates how to use those tools in risk management. The course will include a commodity market simulation called Commodity Challenge. Prerequisite: BUSI 342 (Spring)

BUSI 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the student’s completion of the VCSU requirements for Abilities and Skills. The course will address both technical application and content. This course will prepare the student to conduct an effective job search, by teaching all the necessary tools and exposing the student to the resources available to them. (Fall, Spring)

BUSI 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

BUSI 498 INTERNSHIP IN AGRIBUSINESS 3 HOURS
A course to develop the student’s professional skills. The course will focus on preparing the student to conduct an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

BUSI 499 INTERNSHIP IN AGRIBUSINESS 1 HOUR
A course to develop the student’s professional skills. The course will focus on preparing the student to conduct an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

BUSI 499 SENIOR INTERNSHIP 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the student’s completion of the VCSU requirements for Abilities and Skills. The course will address both technical application and content. This course will prepare the student to conduct an effective job search, by teaching all the necessary tools and exposing the student to the resources available to them. (Fall, Spring)

BUSI 542 ADVANCED FINANCIAL ANALYSIS OF AGribUSINESS 3 HOURS
A study of production economics and tools that are used to make sound management decisions for the agriculture producer and leaders in the agribusiness industry. This course uses FINPACK software. A copy for educational use only is provided. Prerequisites: ACCT 200, ACCT 201, and BOTE 336 (Spring)

CHEM 115 INTRODUCTORY CHEMISTRY 4 HOURS
A study of measurement, ionic and covalent compounds, chemical calculations, states of matter, energy, solutions, and chemical bonding. The course includes laboratory and may serve as a preparatory class for students with weak or no background in chemistry. (Fall)

CHEM 116 INTRO TO ORGANIC & BIOCHEMISTRY 5 HOURS
A study of alkanes, alkenes, alkynes, aromatics, aromatics, alcohols, ethers, aldehydes/ketones, carboxylic acids and esters, amines and amides, carbohydrates, lipids, amino acids, proteins, and nucleic acids. The course includes laboratory. Prerequisite: CHEM 115 or CHEM 121. (Spring)

CHEM 121, 122 GENERAL CHEMISTRY 5 HOURS EACH
A study of matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, gases, intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Topics covered are illustrated with descriptive and historical perspectives, as well as applications of chemistry in society. The course includes laboratory. Prerequisites: CHEM 115 or high school chemistry and high school algebra II or ASC 93. CHEM 121 is a prerequisite for CHEM 122. (CHEM 121-Fall; CHEM 122-Spring)
CHEM 330, 331 QUANTITATIVE ANALYSIS  
4 HOURS EACH  
An investigation of the statistical treatment of data and error analysis, gravimetric analyses, solution chemistry and solubility equilibria, volumetric analyses, acid-base neutralization, complexometric and redox methods. Students are introduced to the theory, operation and applications of some modern instrumental techniques for chemical analysis. The course includes laboratory. Prerequisites: CHEM 122. (Fall, odd years; Spring, even years)

CHEM 341, 342 ORGANIC CHEMISTRY  
5 HOURS EACH  
A two semester course in organic chemistry for students in sciences and pre-professional curricula. Topics include structure and reactivity, name reactions, carbon-carbon bond forming reactions, aromatic and heterocyclic chemistry, biomolecules and polymers, and multistep syntheses. This sequence of lecture/laboratory courses is designed for students desiring careers in chemistry, Biology, health professions, science education, and related areas. The course includes laboratory. Prerequisites: CHEM 121. CHEM 341 is a prerequisite for CHEM 342. (Fall, even years; Spring, odd years)

CHEM 360 ELEMENTS OF BIOCHEMISTRY  
4 HOURS  
A study of protein structure, function conformation, and dynamics; enzymes, DNA-RNA; structure and flow of genetic information; biological membranes; and metabolism. The course includes laboratory. Prerequisite: CHEM 116 or CHEM 341. (Spring)

CHEM 395 LABORATORY PREPARATION & MANAGEMENT  
1 HOUR  
An opportunity to participate in a practicum-like course. The student directly assists the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratories by involving the students in preparation of laboratory materials, storeroom management, evaluation of laboratory experiences, chemical storage, waste disposal, and related safety topics. This course may be repeated for credit up to 3 semester credit hours. (Fall, Spring)

CHEM 411, 412 PHYSICAL CHEMISTRY  
3 HOURS EACH  
A study of the laws and theories of chemistry including thermodynamics, phase equilibria, quantum mechanics and kinetics. Course materials are interpreted through the application of fundamental mathematical and physical principles. Statistical methods and concepts are introduced during the study of the kinetic molecular theory of gasses, statistical thermodynamics, and quantum mechanics. Prerequisite: CHEM 122 and one year each of calculus and physics. (Fall, even years; Spring, odd years)

CHEM 421, 422 PHYSICAL CHEMISTRY LAB  
1 HOUR EACH  
A study of the laboratory to accompany CHEM 411 and 412. Experimental design, statistical analysis of data, and laboratory techniques will be included. Prerequisites: CHEM 411, 412. (Fall, even years; Spring, odd years)

CHEM 425 INORGANIC CHEMISTRY  
4 HOURS  
A study of major topics in inorganic chemistry. The structure of crystalline solids, molecular symmetry, acids and bases, oxidation and reduction, and the chemistry of d-metal complexes will be covered. Topics in atomic and molecular structure and bonding as applied to inorganic molecules will also be discussed. The course includes laboratory. Prerequisites: CHEM 122 (Fall even years)

CHEM 490 SECONDARY SCIENCE METHODS & TECHNIQUES  
3 HOURS  
A course designed to prepare prospective chemistry teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and the ordering of equipment and supplies. The course includes laboratory practicum experience. Prerequisites: Status of at least a second semester junior with a major or minor in science and admission to Teacher Education. (Fall)

CHEM 491 SENIOR PORTFOLIO  
1 HOUR  
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

CHEM X94 INDEPENDENT STUDY/UNDERGRADUATE RESEARCH  
1-4 HOURS  
A capstone course for all science majors. The course is designed to integrate the subject matter from basic science courses and other disciplines into the formulation, investigation, analysis, and presentation of the results of a scientific project. Prerequisites: Junior standing; approval of the project by the Science Department faculty. Project requests should be submitted three semesters before graduation. (By arrangement)

COMM 110 FUNDAMENTALS OF PUBLIC SPEAKING  
3 HOURS  
A basic speech course designed to introduce the student to the principles of oral communication, including the content, organization, and delivery of public address. This course is an introduction to interpersonal and group communication concepts. Emphasis is placed on extemporaneous speaking, effective listening, and critical evaluation. (Fall, Spring F2F; Summer online)

COMM 112 UNDERSTANDING MEDIA AND SOCIAL CHANGE  
3 HOURS  
An exploration of the purpose, function, and impact of media on society. (Spring F2F; Summer even online)

COMM 114 HUMAN COMMUNICATION  
3 HOURS  
An overview of communication theory with emphasis on information transmission and social influence functions of communication behavior in personal and mediated contexts. (Fall F2F)

COMM 155 INTRODUCTION TO PHOTOGRAPHY  
2 HOURS  
A fundamental course in the basics of photography. Course work includes camera operation, exposure, composition, light, and equipment. Students have shooting assignments on composition, landscapes, architecture, and portraits. Cross-referenced with ART 155 (Fall, Spring)
COMM 200 INTRODUCTION TO MEDIA WRITING 3 HOURS
An introduction to the principles of writing articles and stories for newspapers, radio, television, and the Internet. Topics include news gathering, interviewing, basic story structures and types, style and ethics. Prerequisite: ENGL 120 or ENGL 125 or permission of instructor. (Fall, even online; Fall, odd, F2F)

COMM 211 ORAL INTERPRETATION 3 HOURS
A course focused on the study of the development of effective vocal techniques through the analysis and performative reading of all types of literature. (Spring, odd online)

COMM 212 INTERPERSONAL COMMUNICATION 3 HOURS
An examination of styles, patterns, and challenges in human communication in both verbal and nonverbal contexts. (Spring F2F; Summer even online)

COMM 216 INTERCULTURAL COMMUNICATION 3 HOURS
An exploration of cross-cultural and intercultural communication, focusing on definitions, concepts, and theories in global environments. Special emphasis is placed on intercultural norms and etiquette, gender issues, and ELL/bilingual considerations, particularly within the framework of corporate communications. (Fall F2F, Summer odd online)

COMM 255 DIGITAL AND ADOBE ELEMENTS 2 HOURS
A fundamental course in the capturing and altering of digital images. Course work includes use of Photoshop Elements, Power Point, and the development of a portfolio. Cross-referenced with ART 255. Prerequisite: ART 155 or COMM 155. (With sufficient student demand.)

COMM 304 CORPORATE COMMUNICATION 3 HOURS
A course designed to acquire mastery in the facilitation skills required of corporate trainers. The class will focus on presentation technology, visuals, questioning techniques, participant-centered presentations, and facilitator presence. Students will develop several training tools such as surveys, assessment instruments, and visual aids. Students will also develop a training manual, group facilitation, and PowerPoint presentation. (Fall, odd, online)

COMM 311 COMMUNICATION & INTERVIEWING 3 HOURS
An examination of the theory and practice of interviews and interviewers. The class centers on conducting and participating in a variety of interview types. Strategies distinctive in interviews are considered. Class discussions investigate communication theory in interpersonal, organizational, and mass communications contexts. (Fall, online)

COMM 312 GENDER COMMUNICATION 3 HOURS
An exploration of the philosophical and theoretical issues surrounding gender construction, communication, and culture. Focus is on ways communication in families, schools, media, business, and other institutions create and sustain gender roles. Prerequisite recommended: COMM 212. (Summer, odd, online)

COMM 314 PUBLIC RELATIONS 3 HOURS
An introduction to the functions, scope, and ethics of public relations. Particular emphasis will be given to the ways of gaining public support for an activity, cause, movement, or institution and public relations copywriting. Prerequisite recommended: COMM 200. (Spring F2F; Spring online)

COMM 315 DIGITAL COMMUNICATION 3 HOURS
An introduction to the development and presentation of informative and persuasive messages in an electronic environment. An emphasis is placed on the effective use of language and visual graphics to maintain a digital audience. Prerequisite: ENGL 125; Recommended: COMM 200 and CIS 170. (Fall, odd, online)

COMM 330 UNDERSTANDING STATISTICS 3 HOURS
This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with POLS/PSYC/SOC 330. Prerequisites: MATH 103 or 104. (Fall F2F)

COMM 340 RESEARCH METHODS 3 HOURS
An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed. Cross-referenced with POLS/PSYC/SOC 340. Prerequisite: ENGL 110, 120, or 125; COMM/POLS/PSYC/SOC 330 (Fall odd years online; Spring F2F)

COMM 344 REPORTING & FEATURE WRITING 3 HOURS
A study of news gathering, judgment, and writing. Topics include beat reporting, profiles, columns, and blogging. Prerequisite: COMM 200 or permission of instructor. (Spring, odd years, online)

COMM 350 ISSUES IN COMMUNICATION 3 HOURS
An advanced course of selected issues, theories, and philosophies in the field of communication. (Fall online or F2F with sufficient demand)

COMM 355 ADVANCED PHOTOGRAPHY 2 HOURS
An advanced course in photography emphasizing composition, portraits close-ups, filters, and the study of lighting. Cross-referenced with ART 355. Prerequisite: ART 155 or COMM 155. (With sufficient student demand.)

COMM 360 GROUP DYNAMICS 3 HOURS
An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced with PSYC 360 and SOC 360. Prerequisite: PSYC 111 or permission of instructor. (Fall F2F; Fall odd online)

COMM 411 COMMUNICATION THEORY 3 HOURS
A survey of communication theory and research topics as they pertain to everyday social interactions. Students explore the relationship between theory, guiding, research, and knowledge. (Spring, even years, online)

COMM 414 SOCIAL MEDIA MANAGEMENT 3 HOURS
An exploration of managing social media and analytical tools. This course explores the tools and strategic use of social media in promoting the goals and mission of both for-profit and non-profit organizations, covering advertising, marketing, public relations, and promotional strategies within the media scope of social media. Cross-referenced with MRKT 414. Prerequisite: COMM 314 or COMM 315 or MRKT 305. (Spring online)

COMM 415 SPORTS INFORMATION 3 HOURS
A specialized course that focuses on preparing sports copy, public relations, and social media campaigns for athletic institutions. Students will acquire the ability to promote and analyze messages to a variety of audiences. Prerequisite: COMM 200 recommended. (Spring odd years)
COMM 425 POPULAR CULTURE AND RHETORIC 3 HOURS
A course that explores popular culture and rhetoric. This course covers popular culture and rhetoric as dominant persuasive influences in modern society. The course examines concepts, theories and critical methods that assist communicators to understand the power and force of language. Emphasis is placed on becoming insightful critics and consumers of everyday messages to which the public is exposed, especially through mass media. Prerequisite: COMM 110 or COMM 114 (Fall)

COMM 460 MEDIA ETHICS 3 HOURS
An examination of personal and corporate issues in the media, with an emphasis on print and digital media and public relations. Topics may include canons of philosophies and ethic codes. (Spring, even, online)

COMM 470 MEDIA LAW 3 HOURS
An examination of legal issues in the media, with an emphasis on print and digital media and public relations. Topics may include freedom of the press, copyright, plagiarism, libel, privacy, obscenity, free press, fair trial, censorship, and federal regulations. (Spring, odd, online)

COMM 483 ORGANIZATIONAL COMMUNICATION 3 HOURS
A course focused on the study of human communication, including interaction, presentation, and management within organizations. Students will learn skills related to researching communication within organizations including survey development, network mapping, and observation. Special emphasis will be given to examining the roles of culture and gender within an organization. (Spring, odd years)

COMM 489 STRATEGIES IN COMMUNICATION 3-12 HOURS
A capstone course that integrates theory, research, and practice. Students will take on a case, and identify, conceptualize, operationalize, measure, and analyze a problem, and recommend solutions and actions. (Fall, online)

COMM 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Fall online, Spring)

COMM 294, 394, 494 DIRECTED READINGS 1-3 HOURS
An independent study of a specific area of communication. Prerequisite: By arrangement and approval of Department Chair.

COMM 497 INTERNSHIP 3-12 HOURS
A supervised on-the-job experience with an approved agency or organization. The internship is an opportunity to apply classroom learning to a workplace related to a major or minor course of study. Credit is granted (three to twelve hours per semester) and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

COMPUTER INFORMATION SYSTEMS

CIS 104 MICROCOMPUTER DATABASE 2 HOURS
An introduction to database design including data entry, storage, and retrieval. Prerequisite: CIS 170 or CSCI 160. (Spring)

CIS 105 MICROCOMPUTER SPREADSHEETS 2 HOURS
An introduction to spreadsheets as used for data analysis and reporting including in-depth concepts and features and the types of applications adaptable to this software. Prerequisite: CIS 170 or CSCI 160. (Spring)

CIS 128 MICROCOMPUTER HARDWARE I 3 HOURS
An introduction to the development and maintenance of the personal computer. Participants upgrade and assemble personal computers, configure systems, and install operating systems. (Fall)

CIS 147 PRINCIPLES OF INFORMATION SECURITY 3 HOURS
A thorough examination of the field of information security. This course prepares students to make decisions about securing information in a business or personal environment. (Spring)

CIS 162 OPERATING SYSTEMS 3 HOURS
An in-depth coverage of the Windows operating systems geared for those students enrolled in Information Technology programs or students who want a more advanced Windows course. (Spring)

CIS 164 NETWORKING FUNDAMENTALS 3 HOURS
An introduction to installing a network operating system, configuring and administering various networking components. (Fall)

CIS 170 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS 3 HOURS
An introduction to word processing, spreadsheet, database, and operating system software. Additional topics include the history, ethics, and uses of computers in society, and emerging applications for computers. (Fall, Spring)

CIS 180 CREATING WEB PAGES I 3 HOURS
An introduction to web page creation including topics such as HTML/ XHTML, Cascading Style Sheets (CSS), fundamentals of site layout and design, and technical implementation of websites. (Fall)

CIS 276 BUSINESS LANGUAGES 3 HOURS
An introduction to computer programming in a business environment. Topics include: fundamentals of program design, development, testing, implementation and documentation of common business-oriented applications. The class utilizes a current version of Microsoft Visual Basic or equivalent software. (Fall)

CIS 329 INFORMATION SYSTEMS MANAGEMENT 3 HOURS
An introduction to managing information systems including user support issues and careers in a business environment. (Fall)

CIS 369 ENTERPRISE SYSTEMS 3 HOURS
An exploration of how enterprise systems help companies integrate business functions and improve business processes. Prerequisites: CIS 329 or MGMT 330. (Fall, Spring)

CIS 371 ENTERPRISE SYSTEMS II 3 HOURS
An exploration of how organizations analyze and implement ERP systems or other relevant enterprise systems by completing a project to configure, implement, and test business processes. This course builds upon knowledge in other courses using ERP. Prerequisite: CIS 369. (Spring)

CIS 380 SYSTEMS ANALYSIS AND DESIGN 3 HOURS
A practical approach to systems analysis and design using a blend of traditional development methods and current technologies with a focus on gathering requirements. Cross-referenced with SE 380. (Fall)

CIS 381 PROJECT MANAGEMENT 3 HOURS
An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with SE 381, MGMT 381. (Spring)
CIS 385 DATABASE THEORY/DESIGN 3 HOURS
An introduction to relational database concepts, theory, design and management. Cross-referenced with SE 385. Prerequisite: CIS 104. (Fall)

CIS 410 ADVANCED BUSINESS LANGUAGES 3 HOURS
An exploration of intermediate and advanced topics in business languages utilizing Visual Basic or equivalent software. Prerequisite: CIS 276. (Spring, even years)

CIS 420 INTERNET LANGUAGES 3 HOURS
Instruction in intermediate and advanced Internet languages and the theory needed to integrate databases for web-based applications such as E-commerce. Prerequisite: CIS 180. (Spring, odd years)

CIS 440 ADVANCED DIGITAL WEB DESIGN 3 HOURS
Instruction in digital design theory and intermediate to advanced web languages needed to create complex and effective web sites. Prerequisite: CIS 180 (Spring, odd years)

CIS 460 ENTERPRISE ARCHITECTURE 3 HOURS
An exploration into the design, implementation and management of enterprise IT solutions. (Spring)

CIS 465 IS STRATEGY MGMT & ACQUISITION 3 HOURS
This course explores the issues and approaches in managing the information systems function in organizations and how the IS function integrates, supports and enables various types of organizational capabilities. (Fall)

CIS 470 CUSTOMER RELATIONSHIP MANAGEMENT (CRM) AND BUSINESS INTELLIGENCE (BI) 4 HOURS
An exploration of Customer Relationship Management (CRM) and Business Intelligence (BI) and how CRM and BI software systems are used by organizations to support their strategic goals. This course covers business analysis on data warehousing systems. (Fall)

CIS 475 INTEGRATION OF BUSINESS PROCESSES SAP ERP 6 HOURS
An immersion in the concepts of ERP and integration points between different business disciplines supporting each business process cycle. This course introduces the basic processes of SAP ERP. Prerequisite: SAP Student Recognition Award. (Summer)

CIS 480 CAPSTONE PROJECT 3 HOURS
The development and management of a final project based on the student’s cumulative experience and course work as a CIS major. Prerequisite: Senior Standing, CIS 380, and CIS 381. (Spring)

CIS 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the student's completion of the VCSU requirements for Abilities and Skills. This course will address both technical application and content. This course will prepare the student to conduct an effective job search, by teaching all the necessary tools and exposing the student to the resources available to them. (Fall, Spring)

CIS 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

CIS 499-499 SPECIAL TOPICS 1-3 HOURS
Seminars, workshops, or individual study in computer information systems. Prerequisite: Permission of instructor and approval of Department Chair. (Fall, Spring, Summer)

COMPUTER SCIENCE

CSCI 120 INTRODUCTION TO PROGRAMMING 3 HOURS
An introduction to computer programming using any programming language. Prerequisite: MATH 102 or the equivalent. (Spring, even years)

CSCI 124 C++ I 4 HOURS
An introduction to programming in C++. The course is only offered online. (Fall, Spring)

CSCI 127 INTRODUCTION TO PROGRAMMING IN JAVA 3 HOURS
An introduction to computer programming using the Java language. Prerequisite: MATH 102 or the equivalent. (Spring)

CSCI 160 INTRODUCTION TO STRUCTURED PROGRAMMING I 3 HOURS
An introduction to structured programming using C++. Topics include input, output, looping and decision structures, subprograms, and interface to a GUI operating system. Prerequisite: MATH 102 or the equivalent. (Fall, odd years)

CSCI 161 INTRODUCTION TO STRUCTURED PROGRAMMING II 3 HOURS
A continuation of CSCI 160. Topics include: Arrays, structures, object-oriented programming, inheritance, polymorphism string manipulation, recursion and pointers. Prerequisite: CSCI 160. (Spring)

CSCI 174 C++ II 4 HOURS
An intermediate course in programming in C++. The course is only offered online. (Fall, Spring)

CSCI 242 DATA STRUCTURES 3 HOURS
The study of abstract data types (ADTs) and alternatives for implementation of lists, arrays, sets, trees, and graphs. The course explores dynamic and static data structures; time and space analysis of algorithms for initializing; and accessing, searching, sorting and traveling. Cross-referenced SE 242 Prerequisites: CSCI 161. (Fall, even years)

CSCI 350 ASSEMBLY LANGUAGE PROGRAMMING 3 HOURS
An exploration of microprocessor-based machine and assembly language concepts. Prerequisite: CSCI 370. (Spring, even years)

CSCI 365 PROGRAMMING LANGUAGE TOPICS 3 HOURS
A study of program design, style, expression, debugging and testing in specific programming languages such as Ada, C/C++, Lisp, Logo, Modula-2, Pascal, Prolog, or Visual BASIC. Course may be repeated for different languages. Prerequisite: CSCI 160. (With sufficient student demand)

CSCI 370 COMPUTER ORGANIZATION & SYSTEMS 3 HOURS
An examination of the fundamentals of computer organization and operating system concepts. Cross-referenced with SE 370 Prerequisite: CSCI 160. (Fall, odd years)
CSCI 372 COMPARATIVE PROGRAMMING LANGUAGES 3 HOURS
A comparison of the features of several different programming languages with regards to syntax and semantics. Prerequisite: CSCI 161. (With sufficient student demand)

CSCI 380 TEACHING COMPUTER SCIENCE 3 HOURS
An investigation of objectives, methods, techniques, materials, software, and activities related to the teaching of computer science. Prerequisite: Admission to Teacher Education. (With sufficient student demand)

CSCI 450 PRACTICUM IN COMPUTER SCIENCE 1-3 HOURS
Experience in the use of computer hardware and software and the opportunity to observe and assist in the management of a computer laboratory. Prerequisite: CSCI 370 S/U grading. (By arrangement)

CSCI 494 INDEPENDENT STUDY 3-12 HOURS
An individual study program to meet the needs of students interested in a particular area of computer science not included in the regular program. (By arrangement)

CSCI 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job workplace experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

ECON 201 PRINCIPLES OF MICROECONOMICS 3 HOURS
An introductory study of microeconomics. The course emphasizes the price system, market structure, resource allocation, and income distribution. (Fall, Spring)

ECON 202 PRINCIPLES OF MACROECONOMICS 3 HOURS
An introductory study of macroeconomics. The course emphasizes national income, fiscal and monetary theory and policy, unemployment, and inflation. (Fall, Spring)

ECON 261 BUSINESS STATISTICS 3 HOURS
An introduction to descriptive and inferential statistics. Topics include probability, data collection methods, inferences about one or more populations, tests of significance, tests of hypotheses, and regression analysis. Prerequisites: BOTE 336 and MATH 103. (Fall, Spring)

ECON 314 HISTORY OF ECONOMIC THOUGHT 3 HOURS
A study of the development of economic thought from pre-Mercantilism through post-Keynesian. Cross-referenced with HIST 314. Prerequisites: ECON 201 and ECON 202. (Fall, Spring)

ECON 350 MONEY & BANKING 3 HOURS
A course designed to acquaint students with, and to help them understand, financial markets, institutions, and the Federal Reserve System. The course enables students to analyze and evaluate regulation of the financial system as well as monetary policy. Current issues in domestic and international financial systems are emphasized. Prerequisites: ECON 201 and ECON 202. (Fall, Spring)

ECON 460 THE ATLANTIC WORLD 3 HOURS
This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with GEOG and HIST 460. (Spring, odd years)

EDUCATION

EDUC 210 CREATIVE ACTIVITIES 2 HOURS
A course designed to explore resources and to provide instruction, demonstration, and participation in a variety of practical art, music, and physical experiences for children of various ages in the elementary school. (Fall, Spring)

EDUC 240 EDUCATING EXCEPTIONAL STUDENTS 2 HOURS
A study of the characteristics of the exceptional student. Current delivery models, educational adaptations, and best practices for the regular classroom teacher of a mainstreamed student are stressed. (Fall, Spring)

EDUC 249 INTRODUCTION TO VCSU PROGRAM 1 HOUR
An introduction to the Teacher Education Program at VCSU. This course introduces students to the requirements for admission into the program and to the Teacher Education Handbook, Praxis I and II requirements, and the senior portfolio. (Fall, Spring, Summer)

EDUC 250 INTRODUCTION TO EDUCATION 3 HOURS
An introduction to the professional education sequence. The course examines the teaching profession, including the historical, philosophical, and social foundations of education. Students gain knowledge of the VCSU teacher education model and apply knowledge and skills through practice teaching activities, including the effective use of planning, implementing, evaluating, and reflecting. The course requires a 40 hour field experience in an elementary or secondary classroom. Prerequisite: 24 hours of college credit completed. (Fall, Spring)

EDUC 283 UNDERSTANDING CULTURAL DIVERSITY IN EDUCATION 3 HOURS
A multicultural study of the cultural, ethnic, linguistic, and developmental differences of students in the classroom. Included are traditional and modern Native American cultures and values with an emphasis on North Dakota Native Americans as well as strategies for teaching and assessing diverse cultural populations. (Fall, Spring, Summer)

EDUC 300 EDUCATIONAL TECHNOLOGY 2 HOURS
A study of the use of information and communication technologies for educational purposes. Students design and develop digital-age learning experiences that incorporate contemporary tools and resources to maximize content learning and to develop the knowledge, skills, and attitudes of a professional educator. (Fall, Spring)

EDUC 305 PHILOSOPHY AND CURRICULUM OF MIDDLE LEVEL EDUCATION 3 HOURS
A focus on the educational foundations essential to meeting the needs of young adolescents in the middle level schools. Education topics include philosophy, historical background, curriculum, facilitation of learning, organizational practices, assessment, and planning. (Summer)

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EDUC 310 INTRO TO EARLY CHILDHOOD EDUCATION 3 HOURS
A course designed to provide students with the terminology and historical background related to early childhood education. The course covers the growth and development of the child from birth to age eight with an emphasis on developmentally appropriate practices. Parental involvement, play, and observation practices are also examined. (Fall, Summer)

EDUC 313 LANGUAGE AND LITERACY IN EARLY CHILDHOOD EDUCATION 2 HOURS
A study of language and literacy growth and development during the early childhood years. Emphasis is given to sub-cultural language patterns, language and literacy problems, theories concerning the origins of language and literacy, and the relationship of language and literacy to thought and culture. (Spring, Summer)

EDUC 315 MATHEMATICS IN THE ELEMENTARY SCHOOL 3 HOURS
A study of mathematical concepts, systems of numbers, ways of presenting these concepts, and understanding how arithmetical concepts are developed, expanded, and reinforced. Special emphasis will be on the impact of technology, problem solving, and mathematical reasoning. Students will plan, implement, and evaluate lessons. Course includes an embedded field experience. Prerequisite: MATH 277, MATH 278

EDUC 320 SOCIAL STUDIES IN THE ELEMENTARY SCHOOL 3 HOURS
A study of the content, methods, and materials used when teaching elementary school social studies. Topics include multicultural education, geography, global education, law-related education, critical thinking, and computer usage, and designing effective lesson plans. (Spring)

EDUC 321 FOUNDATIONS OF READING INSTRUCTION 3 HOURS
An introductory course which provides the foundations of reading education. Topics include the reading process, emergent literacy, word identification, vocabulary development, comprehension, reading instruction approaches, and reading/study skills. Teaching reading in the multicultural classroom is a major theme. (Fall, Spring)

EDUC 322 METHODS OF LANGUAGE ARTS INSTRUCTION 3 HOURS
A course based upon the philosophy that the language arts are best taught as integrated modes. Topics include planning, implementing, and evaluating language arts lessons; language acquisition; teaching grammar usage, oral language, listening, writing, handwriting, and spelling; developing language arts learning centers; and meeting the needs of culturally diverse students. (Spring, Summer)

EDUC 323 METHODS OF READING IN THE ELEMENTARY SCHOOL 2 HOURS
A concentration on the teaching of reading based upon the integrated teaching of language arts. Topics include phonics, phonemic awareness and literature-based approaches, guided reading, reading recovery, teaching reading in the content areas, promoting reading as a lifelong activity, organizing and managing classroom reading programs, using technology in literacy, diagnosis and correction of reading difficulties, and meeting the needs of culturally diverse and special needs students. Prerequisites: EDUC 321 and Admission to Teacher Education. May be taken concurrently with EDUC 321. (Fall, Summer)

EDUC 330 CHILDREN'S LITERATURE 3 HOURS
A study of children's literature with emphasis on the relationship of books to the basic needs of children. The importance of children's literature as a support to all areas of the curriculum is stressed. New trends in literature, the evaluation of literary and visual elements and the multicultural concept are explored. (Fall, Spring)

EDUC 337 PRE-KINDERGARTEN OBSERVATION AND ASSESSMENT 3 HOURS
An opportunity for a field experience in a pre-kindergarten setting. The pre-service student will be involved in all aspects of teaching in the pre-kindergarten classroom including the administration of informal assessments of a pre-k student using multiple measures. Students are responsible for learning about the basic principles of administration, organization, leadership, and operation of early childhood programs. Prerequisite: EDUC 310. (Fall, Spring, Summer)

EDUC 340 LEARNING DISABILITIES, EMOTIONAL DISORDERS, AND INTELLECTUAL DISABILITIES 3 HOURS
A study of educational research relevant to students with a learning disability, emotional disturbance, or intellectual disability. Course emphasis with focus on learning and behavioral characteristics relevant to each of the three disability categories. Course topics will include identification of characteristics, Response to Intervention (RTI) strategies, formal and informal assessments for special education placement, review of IEP processes, and legal considerations which impact the field of special education. Prerequisite: EDUC 240. (Fall)

EDUC 350 ELEMENTARY PRACTICUM AND CLASSROOM MANAGEMENT 2 HOURS
An opportunity for pre-service teachers to gain experience in an elementary classroom in preparation for student teaching. The student works closely with an elementary teacher to develop a greater understanding of effective teaching and classroom management. Admission to Teacher Education is required. (Fall, Spring)

EDUC 351 SECONDARY PRACTICUM AND CLASSROOM MANAGEMENT 1 HOUR
An opportunity for pre-service teachers to gain experience in a secondary classroom in preparation of student teaching. The student works closely with a secondary classroom teacher to develop a greater understanding of effective teaching and classroom management. Students are encouraged to take the practicum the same semester as their secondary methods course. Prerequisite: Secondary methods and Admission into Teacher Education is required. (Fall, Spring)

EDUC 352 CULTURALLY DIVERSE PRACTICUM 1 HOUR
Provides pre-service teachers an experience in a culturally diverse classroom. This experience will enable the pre-service teacher to be better prepared to meet all student’s needs and develop a greater understanding of how to work with students from various backgrounds and socioeconomic levels. (Fall, Spring)

EDUC 355 SCIENCE METHODS FOR ELEMENTARY TEACHERS 3 HOURS
A course designed to prepare prospective elementary teachers for effective teaching of science in elementary schools. Methods and materials are introduced and opportunities for practice and evaluation are available. Topics include critical thinking and questioning techniques, designing effective lesson plans and units. (Fall, Summer)

EDUC 361 FOUNDATIONS OF BILINGUAL/MULTICULTURAL EDUCATION 2 HOURS
A focus on models of bilingual education. Topics include research of the effectiveness, or lack thereof, of bilingual education; the history of bilingual education; and significant laws and court decisions affecting language minority students. (Summer)

EDUC 363 ASSESSING ELL PROFICIENCY 2 HOURS
An examination of the assessment and testing of culturally diverse students. Students study culturally appropriate assessment tools and methods of identifying and assessing limited English. (Fall)
IN CORRECTIVE READING (SECONDARY) 2 HOURS
A study of how students learn and how effective teaching assists
the learning process. Units of instruction include learning styles, information processing and cognitive skills development, classroom management, motivation, and assessment of student learning. Prerequisite: Admission to Teacher Education is required. (Fall, Spring, Summer)

IN CORRECTIVE READING (ELEMENTARY) 2 HOURS
A study of how students learn and how effective teaching assists
the learning process. Units of instruction include learning styles, information processing and cognitive skills development, classroom management, motivation, and assessment of student learning. Prerequisite: Admission to Teacher Education is required. (Fall, Spring, Summer)

EDUC 430 DIAGNOSIS AND CORRECTION
OF READING DIFFICULTIES 3 HOURS
A course designed to increase teachers’ knowledge and skills of how to
be effective reading teachers. Emphasis is placed on the diagnosis of reading strengths and weaknesses and materials and techniques for corrective/remedial instruction, including preparation on implementing interventions and strategies after the diagnosis of students. Prerequisite: EDUC 323. The course may be taken concurrently with EDUC 323. (Spring, Summer)

EDUC 431 DIAGNOSIS AND CORRECTION
OF READING DIFFICULTIES 2 HOURS
A course designed to increase teachers’ knowledge and skills of how to
be effective reading teachers. Emphasis is placed on the diagnosis of reading strengths and weaknesses and materials and techniques for corrective/remedial instruction, including preparation on implementing interventions and strategies after the diagnosis of students. Prerequisite: EDUC 323. The course may be taken concurrently with EDUC 323. (Spring, Summer)

EDUC 432 DIAGNOSIS AND CORRECTION
OF READING DIFFICULTIES 2 HOURS
A course designed to increase teachers’ knowledge and skills of how to
be effective reading teachers. Emphasis is placed on the diagnosis of reading strengths and weaknesses and materials and techniques for corrective/remedial instruction, including preparation on implementing interventions and strategies after the diagnosis of students. Prerequisite: EDUC 323. The course may be taken concurrently with EDUC 323. (Spring, Summer)

EDUC 433 PRACTICUM
IN CORRECTIVE READING (ELEMENTARY) 2 HOURS
Provides an opportunity for the advanced student to gain firsthand experience in public school remedial reading programs. Knowledge and skills concerning causes, diagnosis, and treatment of reading difficulties are put to practical use by incorporating interventions and strategies for struggling readers. Prerequisite: EDUC 430. May be taken concurrently with EDUC 430. (Fall, Spring, Summer)

EDUC 434 PRACTICUM
IN CORRECTIVE READING (SECONDARY) 2 HOURS
Provides an opportunity for the advanced student to gain firsthand experience in public school remedial reading programs. Knowledge and skills concerning causes, diagnosis, and treatment of reading problems are put to practical use. May be taken concurrently with EDUC 430. (Fall, Spring, Summer)

EDUC 435 PRACTICUM AND ASSESSMENT IN READING 1 HOURS
This 30 hour practicum provides an opportunity for the student to gain first hand experience in public school corrective/remedial programs. Knowledge concerning courses, diagnosis, and treatment of reading problems is put to practical use. Students will have an opportunity to work intensively with individual students or small groups of students who are experiencing problems in learning how to read. This practicum provides pre-service teachers with an opportunity to apply what they have learned in the prerequisite reading courses. Prerequisite: EDUC 430 or concurrent (Fall, Spring, at NDSU)

EDUC 435 KINDERGARTEN EDUCATION & CURRICULUM 4 HOURS
A study of techniques and procedures for teaching in the kindergarten. The curriculum areas of social science, math, health, safety, expressive arts, and language arts are explored. Materials and methods are examined as well as organizational and management procedures appropriate to the preschool kindergarten child. (Spring; summer)

EDUC 450 TRENDS IN ASSESSMENT AND
EDUCATIONAL ISSUES 2 HOURS
A study of current issues and trends with an emphasis on assessment. The course focuses on formative and summative evaluation processes, comprehensive assessment strategies to measure student learning, holistic plans to determine student grades, state and national assessments, use of assessment data to determine curricular decisions and current issues with a significant impact on education. (Fall, Spring, Summer)

EDUC 464 PRACTICUM IN THE ELL CLASSROOM 2 HOURS
An opportunity for a practicum/classroom experience in a linguistically diverse setting. Students observe, teach, and work closely with a teacher as well as with students from diverse primary language backgrounds. Prerequisite: EDUC 390 (Fall, Spring)

EDUC 470 METHODS OF TEACHING
IN THE MIDDLE SCHOOL 3 HOURS
Focused on strategies used in exemplary middle school teaching that are appropriate for young adolescent learners. The course provides students with an opportunity to learn and develop the knowledge and skills necessary to achieve teaching competency. (Spring)

EDUC 475 STUDENT TEACHING (SECONDARY) 5 HOURS
Observation, teaching, and other experiences related to teaching in the secondary school. Prerequisite: Admission to Teacher Education and Student Teaching. (Fall, Spring)

EDUC 480 STUDENT TEACHING (SECONDARY) 10 HOURS
Observation, teaching, and other experiences related to teaching. The student in secondary education spends twelve weeks of the senior year student teaching. K-12 majors will gain experience at the elementary and secondary levels. Prerequisites: Admission to Teacher Education and Student Teaching. (Fall, Spring)

EDUC 485 STUDENT TEACHING (ELEMENTARY) 5 HOURS
Observation, teaching, and other experiences related to teaching in the elementary school. Prerequisite: Admission to Teacher Education and Student Teaching. (Fall, Spring)

EDUC 490 STUDENT TEACHING (ELEMENTARY) 10 HOURS
Observation, teaching, and other experiences related to teaching. The student in elementary education spends twelve weeks of the senior year student teaching. Prerequisites: Admission to Teacher Education and Student Teaching. (Fall, Spring)

EDUC 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio. Requirements for assessment include the VCSU Abilities and Skills, VCSU Education Abilities and concepts of Teacher Performance Assessment. The course addresses both technical application and content. (Fall, Spring)

EDUC 492 A CLINICAL PRACTICE 2-12 HOURS
A supervised Clinical Practice used in place of student teaching when the Clinical Practice can be used to satisfy the requirements for licensure. Prerequisite: Approval of Dean of Education. (Fall)

EDUC 492 B CLINICAL PRACTICE 2-12 HOURS
A supervised Clinical Practice used in place of student teaching when the Clinical Practice can be used to satisfy the requirements for licensure. Prerequisite: Approval of Dean of Education. (Spring)

EDUC 494 INDEPENDENT STUDY 1-4 HOURS
Directed A directed study for the advanced student in selected topics from the field of elementary or secondary education. Prerequisite: Permission of the Dean. (Fall, Spring)
ENGL 110 COLLEGE COMPOSITION I 3 HOURS
A course which introduces students to college-level reading, writing, rhetoric, and critical thinking skills. Prerequisite: English ACT score of 14 or above, completion of ENGL 100, or approval of Department Chair. Co-requisite: Students with ACT subtest scores of 14-17 must co-enroll in ENGL 101. (Fall, Spring)

ENGL 120 COLLEGE COMPOSITION II 3 HOURS
A course which continues the development of ENGL 110 skills with emphasis on research writing and documentation. Prerequisite: ENGL 110 (C or better). (Spring)

ENGL 125 INTRODUCTION TO PROFESSIONAL WRITING 3 HOURS
A course which introduces the writing and research skills needed in business and technology fields. Topics include technical organizational patterns, document design, readability of text, research methods, research reporting and collaborative writing. Prerequisite: ENGL 110 (C or better). (Fall, Spring)

ENGL 220 INTRODUCTION TO LITERATURE 3 HOURS
A course which introduces students to college-level reading and discussion of representative examples from poetry, drama, and fiction using common literary terminology. ENGL 220 may not be used to meet the English major literature requirements. (Fall)

ENGL 225 INTRODUCTION TO FILM 3 HOURS
A course which introduces students to film studies, including analysis of narrative and stylistic elements of films. (Spring)

ENGL 241 WORLD LITERATURE I 3 HOURS
A survey of major world literature texts dating from antiquity through medieval times. (Fall, even years)

ENGL 242 WORLD LITERATURE II 3 HOURS
A survey of major world literature texts dating from the Renaissance to the present. (Spring, odd years)

ENGL 261 AMERICAN LITERATURE I 3 HOURS
A survey of the principle authors and literary movements to the end of the Civil War. (Fall, odd years)

ENGL 262 AMERICAN LITERATURE II 3 HOURS
A survey of the principle authors and literary movements from the end of the Civil War to the present time. (Spring, even years)

ENGL 271 LITERARY ANALYSIS I 3 HOURS
An introduction to fundamental skills required for the analysis of literary texts as well as an examination of traditional and contemporary critical approaches to the study of literature. (Spring, even years)

ENGL 300 GRAMMATICAL ANALYSIS 3 HOURS
A practical course in grammatical construction and usage, including traditional, structural, and transformational descriptions. (Spring, even years)

ENGL 305 WRITING WORKSHOP (a, b, c, d) 1 HOUR
A workshop course dealing with original student work in a specific creative writing genre including poetry, drama, fiction, or creative non-fiction. (Repeatable) (Fall, Spring)

ENGL 309 LINGUISTICS AND LANGUAGE ACQUISITION 3 HOURS
A study of the nature of language, organization principles of language, the history of English language and the principles of language change, and the psycholinguistic theories of first and second language acquisition. (Summer)

ENGL 310 ADVANCED COMPOSITION 3 HOURS
An intensive study of prose composition, giving special attention to writing methodology, to the expository essay and to the argumentative essay. (Spring, odd years)

ENGL 321 ENGLISH LITERATURE I 3 HOURS
A survey of principal British authors and literary movements, covering the literature from the Anglo-Saxon invasions through the end of the 18th Century. (Spring, odd years)

ENGL 322 ENGLISH LITERATURE II 3 HOURS
A survey of principal British authors and literary movements from the Romantic period to the present time. (Fall, odd years)

ENGL 330 CREATIVE WRITING 3 HOURS
The intensive study and practice of writing poetry, short stories, and nonfiction, with the goal of constructing a polished portfolio of work. The course includes the exploration of contemporary genres and writing techniques. Prerequisite: English 120 or 125. (Fall, even years)

ENGL 340 STUDIES IN AMERICAN LITERATURE 3 HOURS
An advanced course which examines selected genres, authors, themes, or eras in American Literature. (Repeatable). (Spring, odd years)

ENGL 350 YOUNG ADULT READING AND LITERATURE 3 HOURS
An examination of reading theories and issues as they relate to literature for young adults. Works of literature for young adults are studied with regard to reading issues, human development, censorship, literary value, and life-long reading/learning. The course includes identifying reading materials for mainstream and reluctant readers with a focus on diversity such as ethnic, socio-economic, and gender. (Spring)

ENGL 360 LITERATURE IN TRANSLATION 3 HOURS
A study of representative works from non-English speaking countries with emphasis on literary representation of postcolonial and postmodern experience. (With sufficient student demand)

ENGL 391 GLOBAL SEMINAR 1-3 HOURS
Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student’s choice. Required before a study-abroad program travel. Cross-referenced with SPAN, HUM, HIST, and GEOG. (Spring)
ENGL 393 WRITING CENTER TUTORING 1 HOUR
A concentrated tutor training course for developing the knowledge and skills necessary for writing tutors to effectively assist individuals and small groups with their writing challenges. Topics include tutoring techniques, revision strategies, error identification, and VCSU’s Writing Center methodologies. Any student who wishes to work in the Writing Center must complete this course before becoming a writing tutor. The course does not count toward a major or minor in English. (Fall, Spring)

ENGL 409 LANGUAGE AND CULTURE 3 HOURS
An examination of the basic sociocultural variables in the acquisition process of first and second languages. Theories in language use, language learning, types of bilingual and multilingual education situations, and social determinants of dialect and style will also be discussed. Prerequisite: ENGL 309 (Fall, online)

ENGL 410 TECHNICAL & SCIENTIFIC WRITING 3 HOURS
An advanced writing course which focuses on formal writing projects required in technical and scientific fields to include technical and scientific research reports and proposals, RFPs, and grant writing. Prerequisite: ENGL 125. (Spring, even years)

ENGL 420 ONLINE COMMUNICATION AND DOCUMENTATION 3 HOURS
A study of the types and rhetorical demands of online communication, focusing especially on writing help documents, FAQs, software documentation, and copyright issues. Includes copy-editing concerns (clarity, conciseness, accuracy, grammatical correctness) as they relate to these types of writing. (Fall)

ENGL 430 STUDIES IN POETRY 3 HOURS
An intensive study of poetic principles as exhibited in the poetry of selected authors, themes, or types. (With sufficient student demand)

ENGL 440 COMPARATIVE LITERATURE 3 HOURS
An advanced course of selected genres, authors, themes, or eras in World Literature. (Repeatable). (Fall, odd years)

ENGL 450 STUDIES IN BRITISH LITERATURE 3 HOURS
An advanced course of selected genres, authors, themes, or eras in British literature. (Repeatable). (With sufficient student demand)

ENGL 480 SHAKESPEARE 3 HOURS
A study of Shakespeare’s life, times, and writings, emphasizing major plays. (Fall, even years)

ENGL 490 METHODS OF TEACHING COMMUNICATION ARTS 3 HOURS
An examination of the curriculum, methods, materials, trends, and philosophy in the teaching of the English language arts in secondary schools. ENGL 490 must be successfully completed prior to student teaching. Prerequisite: Successful completion of EDUC 250 and admission to Teacher Education. (Fall, odd years)

ENGL 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

ENGL 494 (394, 294) DIRECTED READINGS 1-3 HOURS
A course which deals with the individual study of a field of language or literature. Prerequisite: Consultation with and permission of Department Chair. (By arrangement)

ENGL 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study. May be repeated for up to a total of 24 hours. Application is made through Career services. Prerequisites: Senior or Junior standing; application in year previous; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

FIN 375 BUSINESS FINANCE I 3 HOURS
A course designed to study the acquisition, allocation, and management of funds within the business enterprise. Course topics include financial goals, funds flow, capital budgeting, asset management, and financing strategies. Also included is the application of financial theory to decision-making in the areas of financial analysis, planning, forecasting, budgeting, and working capital management. Problem solving and analysis is performed utilizing a spreadsheet software program. Prerequisites: MATH 103 and ECON 261. (Fall)

FIN 376 BUSINESS FINANCE II 3 HOURS
A course designed to build upon the introductory material in Business Finance I. Advanced topics in financial management include working-capital management, accounts receivable and inventory management, risk management, and international business finance. Emphasis is placed on the link between financial management and business development in a competitive environment. Prerequisite: “C” or better in FIN 375. (Spring)

FIN 380 PRINCIPLES OF INVESTMENTS 3 HOURS
A course designed to provide the student with an understanding of the mechanics and principal problems of investing. Topics include the stock market, real estate, mutual funds, gold, and collectibles. (Spring)

GEOG 100 INTRODUCTION TO EARTH SCIENCE 4 HOURS
A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOL 100. (Fall, Spring)

GEOG 106 THE EARTH THROUGH TIME 4 HOURS
A lecture and laboratory course which provides an introduction to the earth through time. Topics include the origin and history of the planet and the history and evolution of animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOL 106. Prerequisite: GEOL/GEOG 100 (Spring, even years)

GEOG 111 SURVEY OF GEOGRAPHY 2 HOURS
A survey of the human, regional, political, physical, religious, and social geography of the world. This course explores the ever-changing relationship between human activity and its impact on the geographical landscape. The course also investigates spatial interaction and mapping, the use of natural resources, and socioeconomic development. (Fall online & F2F; Spring online; Summer online)

GEOG 151 HUMAN GEOGRAPHY 3 HOURS
A non-ethnocentric examination of the geography of human lifestyles and activities and their roles in human-environment interaction. (Spring)
GEOG 300 ENVIRONMENTAL EARTH SCIENCE 4 HOURS
Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United States, and the world. Working as a class, in groups, or as individuals, students do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOL 300. Prerequisite: GEOG 100. (Spring, odd years)

GEOG 315 SOIL SCIENCE & SURVEY 4 HOURS
A systematic investigation of the morphology, genesis, classification, and field determination of major soil types. Lab work and field analysis are included. Cross-referenced with GEOL 315. (With sufficient student demand)

GEOG 320 APPLIED GEOGRAPHY WORKSHOP 1 HOURS
A study of applied geographical issues of the world. This course is designed to present field related topics that are new or changing in the discipline of geography. (With sufficient student demand)

GEOG 325 HISTORY & GEOGRAPHY OF ENGLAND & BRITAIN 3 HOURS
A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with HIST 325. (Spring, odd years)

GEOG 345 HISTORY & GEOGRAPHY OF SPAIN & LATIN AMERICA 3 HOURS
The history and geography of Spain and Latin America from the time of the Roman occupation of Spain to modern times. The course is based on SPAN 345 but is offered in English. Cross-referenced with HIST 345. (With sufficient student demand)

GEOG 362 GEOGRAPHY OF NORTH AMERICA 3 HOURS
A spatial approach to the development of the United States and Canada which stresses changing cultural landscapes and assessing impacts of planning for resource utilization. (Fall, odd years)

GEOG 365 RUSSIA AND HER NEIGHBORS 3 HOURS
An investigation of the past, present and future of the countries which were formerly part of the Union of Soviet Socialist Republics. Cross-referenced with HIST 365. (With sufficient student demand)

GEOG 391 GLOBAL SEMINAR 1-3 HOURS
Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student’s choice. Required before a study-abroad program travel. Cross-referenced with ENGL, HUM, HIST, and SPAN. (Spring)

GEOG 394 FIELD METHODS IN EARTH SCIENCE 1-4 HOURS
A flexible requirement providing an opportunity for students to study a variety of environments. A special project or internship may be substituted with departmental approval. Cross-referenced with GEOL 394. (Fall, even-numbered years)

GEOG 460 THE ATLANTIC WORLD 3 HOURS
This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with HIST and ECON 460. (Spring, odd years)

GEOG 492 FIELD EXPERIENCE IN GEOGRAPHY 4 HOURS
A flexible requirement providing the opportunity for students to study a variety of environments in the field and to gain experience in outdoor living. A special project or internship may be substituted with departmental approval. (Repeatable) (Fall, even years)

GEOG 494 INDEPENDENT STUDY 1-3 HOURS
Directed study and reading concerning a problem in geography selected by the student. Prerequisite: Permission of Department Chair. (With sufficient student demand)

GEOG 499 SPECIAL READINGS 1-3 HOURS
A course designed for students who want instruction in subjects not covered in usual course offerings. Prerequisites: Permission of instructor and approval of Department Chair. (With sufficient student demand)

GEOLOGY

GEOL 100 INTRODUCTION TO EARTH SCIENCE 4 HOURS
A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOG 100. (Fall, Spring)

GEOL 106 THE EARTH THROUGH TIME 4 HOURS
A lecture and laboratory course which provides an introduction to the earth through time. Topics include the Earth’s origin and the history and evolution of its animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOG 106. Prerequisite: GEOL/GEOG 100 (Spring, even years)

GEOL 300 ENVIRONMENTAL EARTH SCIENCE 4 HOURS
Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United State, and the world. Working as a class, in groups, or as individuals, students will do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOG 300. Prerequisite: GEOL 100. (Spring, odd years)

GEOL 315 SOIL SCIENCE & SURVEY 4 HOURS
A systematic investigation of the morphology, genesis, classification, and field determination of major soil types. Lab work and field analysis are included. Cross-referenced with GEOG 315. (With sufficient student demand)

GEOL 394 FIELD METHODS IN EARTH SCIENCE 1-4 HOURS
A flexible requirement providing an opportunity for students to study a variety of environments. A special project or internship may be substituted with departmental approval. Cross-referenced with GEOL 394. Prerequisite: GEOL 100. (Fall, Spring with student demand)

GEOL 397, 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore, cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)
HEALTH, PHYSICAL EDUCATION & RECREATION

**HPER 100 CONCEPTS OF FITNESS & WELLNESS**  2 HOURS
A course designed for students of all ages that teaches the facts about exercise and physical fitness. This general education course combines lecture about the theory of exercise and health issues with laboratory, activity, and technology experiences to introduce the student to concepts of holistic living. (Fall, Spring, Summer)

**HPER 109 EXERCISE TECHNIQUES AND PROGRAM DESIGN**  3 HOUR
An introductory course that instructs students in the safety and proper mechanics of weight training. Students will acquire knowledge as to the development of specific resistance training protocols. This course also focuses on the design and application of programs for aerobic and anaerobic training. (Fall, Spring)

**HPER 112 BASEBALL-VARSITY (SPRING)**  1 HOUR
The study, practice, and performance of baseball on a varsity level. This course may be repeated for credit. (Spring)

**HPER 113 BASKETBALL-VARSITY (SPRING)**  1 HOUR
The study, practice, and performance of basketball on a varsity level. This course may be repeated for credit. (Spring)

**HPER 114 CROSS COUNTRY-VARSITY (FALL)**  1 HOUR
The study, practice, and performance of cross-country on a varsity level. This course may be repeated for credit. (Fall)

**HPER 115 FOOTBALL-VARSITY (FALL)**  1 HOUR
The study, practice, and performance of football on a varsity level. This course may be repeated for credit. (Fall)

**HPER 116 GOLF-VARSITY (SPRING)**  1 HOUR
The study, practice, and performance of golf on a varsity level. The men’s and women’s golf teams practice and perform both in the fall and spring semesters. Open to all student-athletes. This course may be repeated for credit. (Spring)

**HPER 117 SOFTBALL-VARSITY (SPRING)**  1 HOUR
The study, practice, and performance of softball on a varsity level. This course may be repeated for credit. (Fall)

**HPER 118 VARSITY-TRACK & FIELD**  1 HOUR
The study, practice, and performance of track & field events on a varsity level. This course may be repeated for credit. (Spring)

**HPER 120 VOLLEYBALL-VARSITY (FALL)**  1 HOUR
The study, practice, and performance of volleyball on a varsity level. This course may be repeated for credit. (Fall)

**HPER 124 CLINICAL EXPERIENCE I**  2 HOURS
This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Skills include: emergency care, taping and bracing techniques, and initial exposure to the role and skills of a Certified Athletic Trainer. (Fall)

**HPER 126 APPLICATIONS FOR TAPING, PROTECTIVE DEVICES, AND EQUIPMENT**  3 HOURS
An introductory course that offers principles and techniques in regard to athletic protective equipment, taping and bracing in the Sports Medicine field. The athletic training student will become proficient in design, construction, maintenance and reconditioning of protective equipment; as well as splinting and taping applications and procedures according to regulations. (Spring)

**HPER 127 INTRODUCTION TO ATHLETIC TRAINING**  2 HOURS
An introductory preview into the occupation of Athletic Training and the understanding of Athletic Training history, the role and function of the NATA, BOC, CAATE, and state regulatory boards. (Spring)

**HPER 207 PREVENTION & CARE OF ATHLETIC INJURIES**  2 HOURS
An investigation of the methods of prevention and care used for injuries received in athletic activities. The course includes a study of prevention, treatment, and rehabilitation for common athletic injuries from a coach’s perspective. The course includes a unit on athletic taping techniques and instruction in the universal precaution of AIDS and other infectious diseases. (Fall, Spring)

**HPER 208 INTRODUCTION TO PHYSICAL EDUCATION**  2 HOURS
An introduction to the nature and scope of physical education by means of a critical examination of sport, play, exercise, and dance. The course is designed to provide historical foundations for physical education as a profession and for sport as a part of physical education. Special attention is focused on the role of physical education within the total educational program. (Fall, Spring)

**HPER 209 SPORT NUTRITION CONCEPTS**  3 HOURS
An introductory course that examines the principles of Nutrition as specifically related to sports participants. Students will acquire the knowledge necessary to apply sound nutritional practices in the athletic population (Fall, Spring)

**HPER 210 FIRST AID & CPR**  1 HOUR
An introductory course that includes instruction and laboratory practice in first aid procedures, including CPR/AED. Upon successful completion of this course students will be certified by the American Red Cross in basic first aid and CPR/AED procedures. (Fall, Spring)

**HPER 211 FIRST AID & CPR FOR THE PROFESSIONAL RESCUERS**  2 HOURS
An advanced course that examines and evaluates current First Aid/ CPR/AED skills for the professional rescuer maintained by the American Red Cross. The student will become proficient in the evaluation and immediate management of acute injuries and illnesses and become certified in First Aid/CPR/AED for the professional rescuer upon successful completion of the course. (Fall)

**HPER 220 PRACTICAL APPLICATION OF FITNESS EDUCATION**  3 HOURS
The purpose of this course is to help students improve their health related fitness components through active participation in a variety of safe and effective activities. The class includes a variety of aerobic activities, resistance training, core strength and flexibility exercises. Students will gain an understanding of the components of health-related fitness, training principles, and the benefits of being physically active. Students will participate in activities that will increase physical fitness levels and develop health practices that value physical activity and its contribution to lifelong fitness. Prerequisite: HPER 100 or with instructor permission. (Fall, Spring)

**HPER 224 CLINICAL EXPERIENCE II**  2 HOURS
This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: anatomy and physiology, injury recognition and evaluation, and psychology as related to Athletic Training. Prerequisite HPER 124. (Spring)
HPER 226 INJURY RECOGNITION AND EVALUATION OF THE LOWER EXTREMITY 3 HOURS
An in-depth course that examines the lower extremity of the human body using clinical assessment techniques. Orthopedic evaluation and injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the foot, ankle, lower leg, knee complex, hip and pelvis. (Fall)

HPER 227 INJURY RECOGNITION AND EVALUATION OF THE UPPER EXTREMITY 3 HOURS
An in-depth course that examines the human body using orthopedic clinical assessment techniques. Orthopedic evaluations and injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the hand, wrist, elbow and shoulder complex. (Spring)

HPER 258/259 APPLIED ANATOMY, PHYSIOLOGY & HUMAN PERFORMANCE 3 HOURS EACH
A course designed to be an integrated learning experience in understanding the structure and function of the human body and its application to human movement. HPER 258 and 259 will not satisfy the hours required for the pre-professional students planning to enter the field of science or elementary education majors. (258 Fall; 259 Spring)

HPER 300 DRUG EDUCATION & INFORMATION 2 HOURS
A course offering basic information about substances including the use, misuse, and abuse of drugs. The impact of drugs on society is presented along with a discussion of the most effective approaches used in promoting the responsible use of chemical substances. (Fall, Spring)

HPER 301 PHILOSOPHY & APPLICATION OF FOOTBALL COACHING 2 HOURS
A course designed to develop the student’s coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual and team offense and defense, and offensive and defensive team strategy. (Fall)

HPER 302 PHILOSOPHY & APPLICATION OF BASKETBALL COACHING 2 HOURS
A course designed to develop the student’s coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual and team offense and defense, and offensive and defensive team strategy. (Fall)

HPER 303 PHILOSOPHY & APPLICATION OF VOLLEYBALL COACHING 2 HOURS
Instruction in the offensive and defensive strategy and the practical application of fundamental skills and skill drills for playing volleyball. (Fall)

HPER 304 PHILOSOPHY & APPLICATION OF BASEBALL/SOFTBALL COACHING 2 HOURS
A course designed to develop the student’s coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual position play, and offensive and defensive team strategy. (Spring)

HPER 305 PHILOSOPHY & APPLICATION OF TRACK & FIELD COACHING 2 HOURS
A basic introduction to coaching track and field. Topics are covered through demonstration, practice, and video analysis. (Spring)

HPER 315 ELEMENTS OF HEALTH 3 HOURS
A presentation of the principles of nutrition with respect to basic body needs; nutrients and foods needed to satisfy those needs; and when nutrient intake is adequate, deficient, or excessive. The disease prevention and control part of the course covers the host-agent-environment interaction process, the causes of disease, measures for their prevention, and specific disease etiology. (Spring, Summer)

HPER 320 FIRST AID & CPR INSTRUCTOR CERTIFICATION 2 HOURS
Instructor training for First Aid & CPR, using American Red Cross methods of instruction. The course includes instruction, lesson planning, laboratory experience, teacher presentation, and testing. Students assist the Instructor Trainer in HPER 210 and, upon successful completion of the course, receive American Red Cross Instructor certification in First Aid and Cardiopulmonary Resuscitation (CPR.) Prerequisite: HPER 210 or permission of instructor. (With sufficient student demand)

HPER 324 CLINICAL EXPERIENCE III 2 HOURS
This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: psychosocial aspects of sport and injury recognition and evaluation. (Fall)

HPER 325 PHYSICAL EDUCATION IN THE ELEM GRADES 3 HOURS
A study of movement concepts and skill mechanics for the elementary age child, including motor learning concepts. Content areas include physical fitness & wellness, lifetime activity skills, tumbling, rhythmic activities, elementary dances, positive social skills, and game skills. (Fall)

HPER 326 THERAPEUTIC MODALITIES 3 HOURS
An advanced course that details the body’s response to the following: thermal-agents, electrical-agents, ultra-sound and mechanical modalities. (Spring)

HPER 328 THERAPEUTIC EXERCISE 3 HOURS
An advanced course in the analysis and application of therapeutic rehabilitation using an evidence-based approach. (Fall)

HPER 331 INJURY RECOGNITION AND EVALUATION OF HEAD, NECK, AND SPINE 3 HOURS
An in-depth course that examines the human body using orthopedic clinical assessment techniques. Orthopedic evaluations and injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the head, neck and spine. (Fall)

HPER 332 GENERAL MEDICAL CONDITIONS 3 HOURS
An advanced course that provides an overview of general medical conditions pertaining to the athlete and athletic performance. The course offers skills necessary for the use of Medical Evaluation Techniques and equipment, understanding of pharmacology, Infectious Diseases, Dermatological Conditions, Musculoskeletal, neurological, respiratory, cardiovascular, gastrointestinal, systemic, genitourinary and gynecological disorders.(Fall)

HPER 333 MODERN SPORTS OFFICIATING 2 HOURS
A study of officiating requirements and mechanics. The course focuses on understanding and interpreting the spirit and intent of the rules in today’s sports. The sports covered include baseball, softball, basketball, football, track and field, soccer, volleyball, and wrestling. (Fall)
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>HPER 350</td>
<td>Sport Ethics</td>
<td>2 HOURS</td>
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<td>HPER 360</td>
<td>Instruction &amp; Organization of Individual/Dual</td>
<td>3 HOURS</td>
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<td>HPER 361</td>
<td>Instruction and Organization of Team Activities</td>
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<td>HPER 380</td>
<td>Human Sexuality</td>
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<td>HPER 385</td>
<td>Introduction to Adapted Physical Education</td>
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<td>HPER 390</td>
<td>Fitness Assessment and Prescription</td>
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<td>HPER 400</td>
<td>Current Issues in Community Health</td>
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<td>HPER 405</td>
<td>Advanced Topics in Strength and Conditioning</td>
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<td>HPER 410</td>
<td>Administration of Health, Physical Education &amp;</td>
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An investigation of the ethical issues facing coaches in today's society. Focus is placed on moral reasoning in sport and the preservation of moral development in athletics. The course examines how to diminish ethical problems by targeting those things which are positive in sport. (Fall, Spring)

The instruction, practice and organization of individual/dual activities. Units include badminton, tennis, and golf, as well as the measurement and evaluation of physical education activities and secondary dance. (Spring)

The instruction, practice and organization of team activities. Units include basketball, flag football, korfbal, lacrosse, soccer, softball, team handball, and volleyball. (Spring)

A study of the role and meaning of human sexuality in relation to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with BIOL/PSYC 380. (Fall F2F, Spring F2F)

An introductory course designed to address all major areas of Adapted Physical Education roles and competencies of the Adapted Physical Educator. The course examines the law, generalities of specific disabilities, assessments, IEP writing, modifications, and service delivery. It stresses professionalism in the workplace, awareness, of the strength and limitation of those with disabilities and methods for inclusion. (Fall)

An exploration of fitness evaluation and exercise prescription. The course investigates activities that promote cardiovascular endurance, flexibility, resistance training, and anaerobic fitness. Students must have a basic knowledge of Exercise Physiology before taking the course. Prerequisite: HPER 258. (Spring)

A focus on identifying community or public health problems and the educational as well as environmental measures used for their prevention and control. Emphasis is placed on current health issues in our society and the principles involved in public health planning. (Fall)

An advanced course that assists students in the preparation for the national board examination to become a NSCA-Certified Strength and Conditioning Specialist. This course also allows students to assess their readiness as they prepare for the actual examination. By permission only. (Spring, even years)

A study of administrative philosophy and techniques in administering physical education, health, and athletic programs. The course also includes the principles of financial management, personnel management, and legal aspects. (Fall)

A course designed to acquaint students with the meaning, problems, and scope of the recreation and leisure industry. Material provides an introduction to the history, philosophy, and principles of recreation; the agencies providing recreation programs; and facility and personnel development, management, and programming. Students investigate professional employment opportunities in recreation including commercial, tourism, therapeutic, and special recreation in community, state, federal, and private settings. (Spring, odd years)

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: general medical conditions, therapeutic exercise, and injury recognition and evaluation. (Spring)

An upper-level course that combines the social sciences of sociology and psychology in the sport setting. Sociology units include sport and racism, politics, economics, religion, and societal pressures. Psychology units include learning processes, motivation, mental preparation, and communication skills. Cross-referenced with SOC 425. (Fall, odd years)

This course offers clinical athletic training experience under the supervision and guidance of a program-approved health care provider in an approved setting. Course meets periodically for formal competency development will receive supervised clinical education experience in a variety of clinical education settings. Clinical experience settings may include VCSU, local high school, local junior high school, sports medicine facilities, and other colleges and universities. (Fall)

An advanced course which develops skills in the Organization and Administration in Athletic Training. This course gives the student an understanding of risk management, healthcare delivery mechanisms, insurance, reimbursement, documentation, patient privacy, and facility management. Students will acquire the knowledge necessary to maintain a functional and qualified athletic training room according to national and state standards. (Spring)

An advanced course that focuses on the role of Exercise Physiology in the training and conditioning of sports participants of all ages and activity levels. Students will acquire knowledge in regard to the benefits of exercise as a therapeutic agent in the rehabilitation of injury and disease, and its use to improve quality of life. Prerequisite HPER 390. (Fall, even years)

A dynamic course intended to expand students’ ability to appropriately use research literature to guide clinical decision making and practice. Current issues, trends and research in the athletic training profession will be examined along with the fundamentals of resume writing and the interview process. (Fall)
HIST 103 U.S. TO 1877 3 HOURS
A survey of U.S. History from the pre-Columbian era through 1877. The course examines causes of European exploration and colonization, the American Revolution, and the Civil War. Topics include abolitionism, political, social, and economic development of the new nation, Manifest Destiny, and Reconstruction. (Fall, Spring)

HIST 104 U.S. TO PRESENT 3 HOURS
A survey of U.S. History from Reconstruction through the last decade. Attention is given to social, economic and political history as well as the role of minorities and women in the development of modern American society. Topics addressed include segregation, immigration, major political movements, U.S. foreign policy, and civil rights. (Spring)

HIST 211 WORLD CIVILIZATIONS TO 1500 3 HOURS
A survey of civilization to 1500 including a focus upon the early Middle East, Egypt, Rome, and Europe with attention to Asia, Africa, and South America. (Fall)

HIST 212 WORLD CIVILIZATIONS SINCE 1500 3 HOURS
A survey of civilization since 1500. Topics include the Reformation, Absolutism, the French Revolution, the Industrial Revolution, Colonialism, Nationalism, and 20th Century World History including that of Africa, Asia, and South America. (Spring)

HIST 220 NORTH DAKOTA HISTORY 3 HOURS
A general survey of North Dakota geography, government, and history from 1800 to the present. Special emphasis is placed on the diversity of native and immigrant peoples. (Spring, odd years)

HIST 260 WOMEN IN AMERICA 3 HOURS
A survey of the history of women in America from pre-Colonial times to the present. Special attention is given to the role women played in the cultural, social, economic, and political development of the United States. (With sufficient student demand)

HIST 267 ENVIRONMENTAL HISTORY 3 HOURS
A survey of the interrelationship between the natural environment and the people who inhabit the land. Emphasis is given to the factors and events which have changed and challenged America's attitude toward the land and its natural resources. The course covers both grassroots movements and government policies that have resulted in the conservation and environmental movements in American history. Cross-referenced with BIOL 267. (Spring, odd years)

HIST 270 NATIVE AMERICAN STUDIES 3 HOURS
A multicultural study of Native American cultural and historical development. Topics addressed include interactions with European and Anglo-American settlers and government, agency and the concept of the Middle Ground, U.S. federal Indian policy, cultural resurgence, and North Dakota Indian tribes. Cross-referenced with SOC 270. (Fall, even years)

HIST 300 RACE, ETHNIC, AND GENDER RELATIONS 3 HOURS
The social-historical study of racial, ethnic, and gender relations. Cross-referenced with SOC 300. (Spring, even years)

HIST 314 HISTORY OF ECONOMIC THOUGHT 3 HOURS
A study of the development of economic thought from pre-Mercantilism through post-Keynesian. Cross-referenced with ECON 314. Prerequisites: ECON 201 and ECON 202. (Fall, odd years)

HIST 320 HISTORY OF THE AMERICAN WEST 3 HOURS
A study of the political, economic and social impact of the West upon the course of American history. (Spring, even years)

HIST 321 HISTORY OF ANCIENT GREECE & ROME 3 HOURS
A study of the political, economic, and social history of the two ancient foundations of Western Civilization. (Fall, odd years)
HIST 325 HIST & GEOGRAPHY OF ENGLAND & BRITAIN 3 HOURS
A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with GEOG 325. (Spring, odd years)

HIST 330 HISTORY OF THE CIVIL WAR ERA (1850-1877) 3 HOURS
A study of the political, economic, and social causes and consequences of the Civil War era upon U.S. History. (Fall, odd years)

HIST 345 HISTORY & GEOGRAPHY OF SPAIN & LATIN AMERICA 3 HOURS
The history and geography of Spain and Latin America from the time of the Roman occupation of Spain to modern times. Cross-referenced with GEOG 345. (With sufficient student demand)

HIST 365 RUSSIA AND HER NEIGHBORS 3 HOURS
An investigation of the past, present, and future of the countries which were formerly part of the Union of Soviet Socialist Republics. Cross-referenced with GEOG 365. (With sufficient student demand)

HIST 375 THE U.S. CONSTITUTION: FEDERALISM 3 HOURS
A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the development of Federalism in fact and theory. Cross-referenced with POLS 375. (Spring, even years)

HIST 376 THE U.S. CONSTITUTION: CIVIL LIBERTIES 3 HOURS
A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the exercise of civil liberty in fact and theory. Cross-referenced with POLS 376. (Fall, odd years)

HIST 380 THE AMERICAN PRESIDENCY 3 HOURS
A study of the political, economic, and social history of Canada from the 17th century to the present. Special attention is given to Canadian multiculturalism and to Canada’s development within the British Empire. (With sufficient student demand)

HIST 385 HISTORY OF CANADA 3 HOURS
A study of the political, economic, and social history of Canada from the 17th century to the present. Special attention is given to Canadian multiculturalism and to Canada’s development within the British Empire. (With sufficient student demand)

HIST 391 GLOBAL SEMINAR 1-3 HOURS
Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student’s choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, HUM 391, SPAN 391, and GEOG 391. (Spring)

HIST 400 HISTORIOGRAPHY 3 HOURS
A detailed and analytical examination of the evolution of the study of history through time. Special emphasis is given to representative works of major historians. (Spring, even years)

HIST 450 HISTORY OF THE U.S. SINCE 1950 3 HOURS
An in-depth study of the key social, political, and economic developments in the U.S. since 1950. Particular emphasis is given to the Cold War, the counter-culture movements of the 1960s, the Civil Rights Movement, the emergence of a strong Women’s Movement, the American War in Vietnam, and the conservative backlash of the 1980s, and the War on Terror. Issues of ethnocentrism, cultural diversity, and shifting demographic patterns are also discussed. (With sufficient student demand)

HIST 454 RENAISSANCE/REFORMATION 3 HOURS
An in-depth study of the religious, scientific, maritime, social, and political events in Europe between 1450 and 1648. Particular attention is given to the impact of the Reformation in Europe. This course delineates those qualities of life which transformed Europe and the Transatlantic World. (Fall, even years)

HIST 460 THE ATLANTIC WORLD 3 HOURS
This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with ECON and GEOG 460. (Spring, odd years)

HIST 465 THE CONTEMPORARY WORLD 3 HOURS
A study of the world of the study since 1945, with particular emphasis on recent history. This course encourages students to view the world around them through the eyes of developing nations, emerging nation-states, and the global village concept, as represented by the vast array of information technologies available to the average person. Issues surrounding nuclear proliferation, apartheid, decolonization, international development, and the politics of oil receive special attention. (With sufficient student demand)

HIST 470 TOPICS IN NON-WESTERN HISTORY 3 HOURS
A study of selected areas of the world that lie outside of the purview of Western history. Special attention is given to Africa, India, China, Japan, Latin America, or Asia. (Fall, odd years)

HIST 490 SOCIAL SCIENCE TEACHING METHODS 3 HOURS
A study of methods used in teaching social science. Emphasis is on techniques and sources of materials. This course must be successfully completed before student teaching. Prerequisites: admission to the teacher education program. (Fall, even years)

HIST 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

HIST 492 HISTORICAL RESEARCH METHODS 3 HOURS
A study of methodologies and sources historians use when conducting research. Students conduct original research. (With sufficient student demand)

HIST 494 INDEPENDENT STUDY 1-3 HOURS
Directed reading and study in a selected area of history chosen by the student and instructor. Prerequisites: Permission of instructor and approval of Department Chair. (With sufficient student demand)

HIST 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)
HIST 499 SPECIAL TOPICS & READINGS 1-3 HOURS
An opportunity for students to study subjects not covered in usual course offerings. Prerequisites: Permission of instructor and approval of Department Chair. (With sufficient student demand)

HUMANITIES

HUM 201 CIVILIZATION, THOUGHT, & LITERARY HERITAGE 3 HOURS
An introductory course designed to provide a chronological framework for the exploration of Western culture within a global context, emphasizing a humanistic approach to history, religion, philosophy, and literature. (Spring)

HUM 202 FINE ARTS AND AESTHETICS 3 HOURS
An introductory course designed to acquaint the student with the development of music and the visual arts within the context of world civilization and to nurture aesthetic responsiveness. (Fall)

HUM 391 GLOBAL SEMINAR 1-3 HOURS
Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student’s choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, HUM 391, SPAN 391, and GEOG 391. (Spring)

LIBRARY MEDIA & INFORMATION SCIENCE

LMIS 250 INTRODUCTION TO LIBRARIES & INFORMATION SCIENCE 3 HOURS
An introduction to the types of libraries and their organization, services, standards, technology, and issues with an emphasis on the role of the school librarian. (Fall online)

LMIS 360 COLLECTION DEVELOPMENT 3 HOURS
An examination of the basic principles of selection and evaluation of library materials, study and practice in the use of selection aids, and the development of collection policies and procedures. (Fall online)

LMIS 365 THE ORGANIZATION OF INFORMATION 3 HOURS
An introduction to the principles and theories of library cataloging, and practical experience in the use of descriptive and subject cataloging, classification and the MARC format. (Spring online)

LMIS 370 REFERENCE SOURCES & SERVICES 3 HOURS
An exploration of reference services and information literacy instruction with an emphasis on conducting reference interviews, online searching techniques, and using reference sources in multiple formats. (Fall online)

LMIS 430 ADMINISTRATION OF THE SCHOOL LIBRARY MEDIA CENTER 3 HOURS
A study of the objectives and functions of a school library media center and the principles of library management. Consideration is given to teacher-librarian relationships and to current library issues. (Spring online)

LMIS 445 STANDARDS FOR EFFECTIVE LIBRARIES 3 HOURS
An introduction to national and state curricular and library media standards, with a focus on teaching and learning strategies to integrate information literacy into the curriculum and fostering collaboration among librarians and classroom teachers. (Fall online)

LMIS 470 CURRENT ISSUES IN LIBRARIANSHIP 3 HOURS
An exploration of current and/or controversial issues in librarianship, with an emphasis on emerging technologies and their use in the library or classroom. (Spring online)

LMIS 494 DIRECTED STUDIES 1-3 HOURS
Directed study for the advanced student in selected topics in the field of Library Media & Information Science. Prerequisite: Permission of director of the program. (Fall, Spring, Summer)

MANAGEMENT

MGMT 330 PRINCIPLES OF MANAGEMENT 3 HOURS
A study of management and organizational theory with special attention given to the functions of planning, organizing, leading, and controlling in business organizations. (Fall, Spring)

MGMT 335 DIVERSITY IN THE WORKPLACE 3 HOURS
The course will explore several aspects of the role of diversity in the workplace, including its importance across business functions. Topics will include legality of diversity in the workplace, managing inclusion and varying perspectives and contributions of diverse groups. (Fall)

MGMT 340 HUMAN RESOURCE MANAGEMENT 3 HOURS
A study of human resource management (HRM) including HRM planning, labor relations, and labor law, job analysis, recruitment, selection, evaluation, compensation, benefits, training, discipline, safety/health, and international labor issues. Prerequisite: MGMT 330. (Fall, Spring)

MGMT 350 OPERATIONS MANAGEMENT 3 HOURS
This course provides students with an introduction to concepts and techniques related to the design, planning, control to improve business processes in manufacturing and service operations. Students will be exposed to topics in the areas of process analysis, materials management, production scheduling, project management, quality improvement and product design. Prerequisites: MGMT 330 and ECON 261. (Fall, Spring)

MGMT 370 BUSINESS ETHICS 3 HOURS
An investigation of the ethical dilemmas that the contemporary American and global business worlds face. The course examines the role of business in society, the nature of corporate social responsibility, environmental issues, and the influences of the social, political, legal and regulatory environment. The course also challenges students’ thinking about the impact of diversity on organizations, the relationship between business and the media, and the growth of e-business. (Fall, Spring)

MGMT 372 FOUNDATIONS OF LEADERSHIP 3 HOURS
A course designed to introduce the foundations of leadership. The course examines a theoretical background and practical information. Major theories of leadership will be examined and leadership will be integrated to various internal and external organizational factors. Students will learn to think critically about the leadership phenomenon and about the boundary conditions of leadership theories. (Fall, Spring)

MGMT 381 PROJECT MANAGEMENT 3 HOURS
An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381, SE 381. (Spring)
MGMT 427 RECRUITMENT AND SELECTION  3 HOURS
A study of the principles and practices of recruitment and hiring in organizations. The course focuses on analyzing staffing needs, developing recruitment plans, and completing the selection process to best meet the needs of an organization while maintaining compliance with the law. Prerequisite: MGMT 340. (Spring)

MGMT 430 ORGANIZATIONAL BEHAVIOR  3 HOURS
An interdisciplinary study of behavior in the work environment to improve skills in leadership, motivation, and communication. Prerequisite: MGMT 330. (Fall, Spring)

MGMT 460 INTERNATIONAL BUSINESS  3 HOURS
A study of the international dimensions of business. Topics include the global business environment (economic, cultural, legal, political) and international business functions (management, marketing, finance, exporting, importing). Prerequisites: MGMT 330 and MRKT 305. (Fall, Spring)

MGMT 480 STRATEGIC PLANNING  3 HOURS
A study of strategic management processes on how organizations formulate, implement, and evaluate strategies. The course integrates the knowledge acquired in the functional areas of marketing, human resources, productions/operations, and finance. Prerequisite: Senior standing. (Fall, Spring)

MGMT 485 ENTREPRENEURSHIP  3 HOURS
A review of the application of business policies and procedures to the small business environment. MGMT 485 includes the basic steps in creating, building, operating and selling an enterprise. Prerequisites: Senior standing. (Fall, Spring)

MGMT 498 INTERNATIONAL EXPERIENCE  6-12 HOURS
An opportunity to apply classroom learning in a foreign setting. The experience must be related to the student’s area of study and is granted in a range of six to twelve credits per semester with a maximum of twelve hours available. Application is made through the Department of Business. Prerequisites: Junior standing, a grade point average of 2.50 or better, and approval of Chair of the VCSU Department of Business. S/U grading only. (Fall, Spring, Summer)

MARKETING

MRKT 305 PRINCIPLES OF MARKETING  3 HOURS
An analysis of the activities, sets of institutions, and processes for facilitating the exchange of products, services, and information. Topics include strategic planning; marketing segmentation, targets, and positioning; marketing research; sales; and public relations; creating, communicating, delivering, and exchanging offerings that have value for customers, clients, partners, and society at large. (Fall, Spring)

MRKT 319 WEBSITE AUTHORING  3 HOURS
A course designed to provide intermediate students with the knowledge and skills to create digital graphics and video with an emphasis on incorporating these features into a well designed website. This course familiarizes students with graphic design, fundamental video/multimedia production, website design and creation, web languages, and standard web development tools. (Fall, Spring)

MRKT 370 ADVERTISING & PROMOTIONS  3 HOURS
A thorough exploration of the communication process and consumer responses throughout that process. Students will acquire the skills needed to make strategic decisions regarding the use of traditional and/or new media to develop and carryout advertising campaigns. Prerequisite: MRKT 305. (Fall)

MRKT 405 RETAILING  3 HOURS
A study of the field of retailing. Topics include establishing and maintaining relationships, basic principles of strategic planning, goods/services categories, targeting customers, gathering information, choosing a store location, merchandise management and pricing, and communicating with the customer. (Fall)

MRKT 414 SOCIAL MEDIA MANAGEMENT  3 HOURS
An exploration of managing social media and analytical tools. This course explores the tools and strategical use of social media in promoting the goals and mission of both for-profit and non-profit organizations, covering advertising, marketing, public relations, and promotional strategies within the media scope of social media. Cross-referenced with COMM 414. Prerequisite: COMM 314 or COMM 315 or MRKT 305. (Spring online)

MRKT 415 MARKETING RESEARCH & INFORMATION  3 HOURS
A study of the role of marketing research in strategic decision-making and the basics of scientific research. Topics include the marketing research process; exploratory, descriptive, and casual research designs; scales of measurement; questionnaire and focus group design; fieldwork; data preparation; and basics of interpreting statistical results of research. Prerequisites: MRKT 305 and ECON 261. (Spring)

MATHEMATICS

MATH 103 COLLEGE ALGEBRA  3 HOURS
The study of algebraic relations and functions. Topics include equations and inequalities; complex numbers; polynomial, rational, exponential and logarithmic functions; and systems of equations. Prerequisite: ASC 093 or a ACT score of 21 or higher on the Math portion or Placement Test. (Fall, Spring, Summer)

MATH 104 FINITE MATHEMATICS  3 HOURS
An extension of basic algebra to areas that have applications in the economic, behavior, social, and life sciences. Topics include systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, elementary probability and descriptive statistics. Prerequisite: ASC 093 or ACT Math Score of 21 or Placement Test. (Fall, Spring)

MATH 105 TRIGONOMETRY  2 HOURS
The study of trigonometric functions and their properties. Topics include angle measure; trigonometric and inverse trigonometric functions; trigonometric identities and equations; parametric and polar coordinates; and general applications. Prerequisite: MATH 103 or Placement Test or Departmental Consent. (Fall, odd years)
MATH 107 PRECALCULUS 3 HOURS
The study of algebraic functions in preparation for calculus. Topics include equations and inequalities; polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions; trigonometric identities and equations; and applications. Prerequisite: ASC 093 or ACT Math Score of 21 or Placement Test. (Fall, Spring—with sufficient demand)

MATH 146 APPLIED CALCULUS I 3 HOURS
A study of limits, derivatives, integrals, exponential, and logarithmic functions and applications. Prerequisite: MATH 103 or permission of instructor. (Spring)

MATH 165 CALCULUS I 4 HOURS
The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include limits, continuity, differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus, and applications. Prerequisite: MATH 105 or MATH 107 or Placement Test or Departmental Consent. (Spring)

MATH 166 CALCULUS II 4 HOURS
The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include applications and techniques of integration; polar equations; parametric equations; sequences and series; power series and applications. Prerequisite: MATH 165. (Fall)

MATH 208 DISCRETE MATHEMATICS 3 HOURS
Sets, relations and functions, combinatorics, logic, methods of proof, Boolean Algebra, difference equations, mathematical induction, combinatorics, introduction to graph theory and automata. Prerequisite: MATH 103 or MATH 104. (Fall)

MATH 265 CALCULUS III 4 HOURS
The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include multivariate and vector calculus including partial derivatives; multiple integration and its applications; line and surface integrals; Green’s Theorem and Stokes’ Theorem. Prerequisite: MATH 166 (Spring)

MATH 266 INTRO to DIFFERENTIAL EQUATIONS 3 HOURS
The study of differential equations. Topics include solutions of elementary differential equations by elementary techniques: Laplace transforms; systems of equations; matrix methods; numerical techniques; and applications. Prerequisite: MATH 265 or Departmental consent. (Fall)

MATH 277 MATHEMATICS FOR ELEMENTARY TEACHERS I 3 HOURS
A course designed to provide elementary teachers with the ability to integrate the understanding of content with the understanding of how students learn arithmetic concepts. Students study the application of arithmetic concepts to the solutions of problems. Mathematical content includes algebra fundamentals, functions, graphing, inductive and deductive reasoning, whole number operations, number bases, numeration systems, place value, number theory topics, sets, integers, decimals, percentages, and fractions. (Fall)

MATH 278 MATHEMATICS FOR ELEMENTARY TEACHERS II 2 HOURS
A course designed to provide elementary teachers with the ability to integrate the understanding of content with the understanding of how students learn mathematical concepts. Students study the application of mathematical concepts to the solution of problems. Mathematical content includes topics in geometry, measurement, modular arithmetic, algebra, statistics, and probability. Prerequisite: MATH 277 or permission of instructor. (Spring)

MATH 300 SYMBOLIC LOGIC 1 HOUR
A study of truth values, truth tables, conjunctions and disjunctions, negation, quantifiers, and an introduction to Boolean algebra. (Spring, odd years)

MATH 311 COLLEGE GEOMETRY I 2 HOURS
The advanced study of geometry from an axiomatic viewpoint. Topics include incidence and separation properties of planes and space; metric and synthetic approaches to congruencies; geometric transformations; and parallelism and similarity. Prerequisite: MATH 103, MATH 165, MATH 146, or permission of instructor. (Fall, even years)

MATH 312 COLLEGE GEOMETRY II 3 HOURS
A continuation of the advanced study of geometry. Topics include area theory, circles in a plane, constructions with ruler and compass, solid mensuration, and an introduction to non-Euclidean geometries. (With sufficient demand)

MATH 321 APPLIED PROBABILITY & STATISTICS 3 HOURS
This is a non-calculus-based introduction to methods of probability and statistics intended for non-major majors. Topics covered are combinatorial probability, random variables and their distributions, distribution functions and their properties, and the Central Limit Theorem and its applications. Within the framework of the Central Limit Theorem, sample-based inferences of population means and standard deviations, significance tests and confidence limits, tests of hypotheses, sequential paired t-tests, and regression analysis are covered. Prerequisite: MATH 103 or permission of instructor. (Spring)

MATH 330 LINEAR ALGEBRA AND MATRICES 3 HOURS
An introduction to linear algebra which includes matrix algebra, linear systems, the notion of a vector space, and linear transformations and their matrix representations. (Spring)

MATH 331 EUCLIDEAN GEOMETRY AND TOPICS 3 HOURS
The course will start with the plane geometry of congruence, similarity, and constructions with compass and straightedge. The class will augment this by choosing elective topics from among modern geometry, complex analysis, differential equations (ordinary and/or partial), analysis, modern algebra, number theory, statistics, fractal structures, and/or other mathematical topics. (Fall, even years)

MATH 340 ALGEBRAIC STRUCTURES 4 HOURS
A study of algebraic structures. Topics include sets, mappings, relations, and operations; axiomatic development of familiar algebraic systems; examples and basic algebraic properties of groups, rings and fields. Prerequisite: MATH 165. (Fall, even years)

MATH 390 PEDAGOGICAL CONTENT KNOWLEDGE 3 HOURS
An overview and application of secondary school mathematical content knowledge (based on the common core math standards) and the pedagogical strategies for teaching it, including lesson plan development involving differentiated instruction, assessment strategies, and implementation of math technologies. Pre-requisite: Admission to teacher education. (Fall, odd years)
MATH 400 HISTORY AND PHILOSOPHY OF MATHEMATICS  3 HOURS
An introduction to the history and philosophy of mathematics. Topics include informal origins; ancient, medieval, and modern mathematics; the role of proofs, the status of mathematical objects, logicism, intuitionism and constructive proofs, formalism and the axiom of choice. (Spring, even years)

MATH 410 REAL ANALYSIS I  3 HOURS
An introduction to rigorous theory of calculus. Topics covered include the real number system, sequences, limits, continuous functions in R, continuous functions of several variables, metric spaces, uniform convergence, interchange of limit operations, infinite series, mean value theorems and their applications, and Riemann integrals. Prerequisite: MATH 265 and Math 330. (Fall, even years)

MATH 412 ORDINARY DIFFERENTIAL EQUATIONS  3 HOURS
A continuation of the study of differential equations in MATH 266. Topics covered are Laplace Transforms, Existence and Uniqueness of Solutions, Higher Order Linear Equations, Linear Systems, regular singular points, Sturm-Liouville Theory, Nonlinear Differential Equations that arise in Biology, physics, chemistry, and engineering (e.g., Competing Species, Predator-Prey Equations, Liaponov’s method, the Lorenz Equations in Fluid Mechanics and Chaos). Prerequisites: MATH 266 and MATH 330 (With sufficient demand)

MATH 413 PARTIAL DIFFERENTIAL EQUATIONS  3 HOURS
A continuation of the study of differential equations in MATH 266. Topics covered are classification of second order equations, boundary value problems for elliptic and parabolic equations, initial value problems for hyperbolic equations (e.g., Steady State Equations, Heat Equations, Diffusion Equations, Wave Equations, Evolution Equations with various boundary conditions and initial conditions), existence and uniqueness theorems, maximum principles, a priori bounds, the Fourier transform, and their applications to science and engineering. Prerequisites: MATH 266 and MATH 330 (With sufficient demand)

MATH 421 MATHEMATICAL PROB & STAT I  3 HOURS
An introduction to the rigorous theory of probability and statistics. Topics to be covered are Discrete and Continuous Random Variables, Joint Densities, Combining Random Variables, Conditional densities, Moment Generating Functions, Binomial Distribution, Normal Distribution, Gamma Distribution, Poisson Distribution, Normal Distribution, Gamma Distribution, Parameter Estimation using the Method of Maximum Likelihood and the Method of Moments, Interval Estimation, Minimum-Variance Estimators, and Bayesian Estimation. Prerequisite: MATH 265 (Fall, odd years)

MATH 422 MATHEMATICAL PROB & STAT II  3 HOURS
A continuation of MATH 421. Topics covered are: Hypothesis Testing, Generalized Likelihood Ratio, Drawing Inferences about the Mean and Variance of a normal distribution, the theory and applications of 2-Sample t-Test and F-Test, Confidence Intervals for 2-Sample problems, Goodness-of-Fit Tests, Regression Analysis, Bivariate Normal Distributions. Prerequisite: MATH 421 (With sufficient demand)

MATH 430 COMPLEX ANALYSIS  3 HOURS
An introduction to the theory of functions of one complex variable. Topics covered include Analytic Functions of One Complex Variable, Cauchy’s Integral Theorem, Power Series, Laurent Series, Singularities of Analytic Functions, the Residue Theorem with Application to Improper Integrals, Conformal Mappings and their applications, and the Schwarz-Christoffel Transformations and their applications. Prerequisite: MATH 265 (With sufficient demand)

MATH 490 TEACHING SECONDARY SCHOOL MATHEMATICS  3 HOURS
An opportunity for students planning to teach math in the secondary schools to understand and apply content topics which align with NCTM Standards to projects, presentations, activities, and reports. Course topics include current issues, art of teaching, learning, curricular materials, alternative assessment, bias, equity, standards, and technology. Prerequisite: Admission to Teacher Education. (Fall, even years)

MATH 491 SENIOR PORTFOLIO  1 HOUR
The course addresses both technical application and content. (Fall, Spring)

MATH 494 INDEPENDENT STUDY  1-3 HOURS
An individual study program designed to meet the needs of students interested in a particular area of mathematics not included in the regular program. (By arrangement)

MATH 497 INTERNSHIP  3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

MUSIC

APPLIED MUSIC

100-LEVEL APPLIED MUSIC  1-2 HOURS
1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before attempting the proficiency exam and passing to the next level. Applied lessons may not be audited.

MUS 150 PIANO  1-2 HOURS
Students with little or no previous piano training will enroll in MUS 111 Class Piano.

MUS 151 ORGAN  1-2 HOURS

MUS 153 VOICE  1-2 HOURS
Students with little or no previous vocal training will enroll in MUS 152 Voice Class. Vocal secondsaries may substitute MUS 152 for one semester of MUS 153.

MUS 154 GUITAR  1-2 HOURS

MUS 155 VIOLIN  1-2 HOURS

MUS 156 VIOLA  1-2 HOURS

MUS 157 CELLO  1-2 HOURS

MUS 158 STRING BASS  1-2 HOURS

MUS 159 PERCUSSION  1-2 HOURS

MUS 160 TRUMPET  1-2 HOURS

MUS 161 FRENCH HORN  1-2 HOURS

MUS 162 TROMBONE  1-2 HOURS

MUS 163 EUPHONIUM  1-2 HOURS

MUS 164 Tuba  1-2 HOURS

MUS 165 FLUTE  1-2 HOURS
MUS 100 MUSIC APPRECIATION 1 HOUR
An introduction to some of the world’s greatest music. Students learn to react to music on emotional and intellectual levels. Emphasis is placed on listening for basic elements of music, with a goal of establishing a life-long enjoyment of this art form. (Fall, Spring, Summer)

MUS 101 MUSIC FUNDAMENTALS 3 HOURS
The study of fundamental music skills, including: reading notes, scales, and chords; listening skills; and music terminology. The course is open to all students. (Fall, Spring, Summer)

MUS 102 INTRODUCTION TO DIGITAL AUDIO RECORDING 3 HOURS
An introduction to recording techniques, software and hardware solutions for recording and mixing, and music composition with electronic and acoustic sounds. Topics include digital audio effects processing, MIDI and electronic instruments, and film scoring. (Spring, odd years)

MUS 103 INTRO TO MUSIC TECHNOLOGY 1 HOUR
The development of basic skills and technology in the field of music. Students will become familiar with music software including educational, sequencing and notational software; will use word processing, database applications, spreadsheet programs, and graphics to produce sample classroom materials; and will learn sound reinforcement, recording technology, MIDI applications and programs, and CD-ROM applications. (Fall)

MUS 104 GROUP PIANO for NON-MAJORS I 1 HOUR
The first course in a two semester option intended for non-music majors who wish to learn to play the piano. Topics include basic note and rhythm reading, ensemble playing, and repertoire. Class instruction is given in an electronic piano laboratory. (Fall)

MUS 105 GROUP PIANO for NON-MAJORS II 1 HOUR
The second course in a two semester option intended for non-music majors who wish to learn to play the piano. Topics include basic note and rhythm reading, ensemble playing, and repertoire. Class instruction is given in an electronic piano laboratory. (Spring)

MUS 109 MUSIC THEORY I 3 HOURS
The first course in a two-semester sequence designed to develop the basic musicianship skills required to analyze, read, write, and perform music. This course uses portfolios to document work, to demonstrate competencies, and to apply concepts to real musical situations. Prerequisite: Successful completion of MUS 101 or score of 80% on theory placement exam. (Fall)

MUS 110 MUSIC THEORY II 3 HOURS
The second course in a two-semester sequence designed to develop the basic musicianship skills required to analyze, read, write, and perform music. This course uses portfolios to document work, to demonstrate competencies, and to apply concepts to real musical situations. Prerequisite: Successful completion of MUS 109. (Spring)

MUS 111 CLASS PIANO I 1 HOUR
The first course in a four-semester sequence which supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility. For music majors only. (Fall)

MUS 112 CLASS PIANO II 1 HOUR
A continuation of the development of skills introduced in MUS 111. For music majors only. Prerequisite: Successful completion of MUS 111 or a keyboard placement exam to determine placement in the class piano sequence. (Spring)

MUS 120 COMPOSITION 1-2 HOURS
Elaboration of weekly projects using simple compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. Acquired skills will be applied in the final composition project. May be repeated once for credit. Composition lessons may not be audited. Prerequisite: Successful completion of MUS 109 Theory I. (Fall, Spring, Summer)

MUS 121 AURAL SKILLS I 1 HOUR
A companion course to Theory I, designed to develop the visual and aural skills of the student. Content includes rhythm and meter exercises; singing in scale degrees and solfege; and rhythmic, melodic and harmonic dictation. Prerequisite: Successful completion of MUS 101 or score of 80% on theory placement exam. (Fall)

MUS 122 AURAL SKILLS II 1 HOUR
A companion course to Theory II and a continuation of the development of skills introduced in MUS 121. Prerequisite: Successful completion of MUS 121. (Spring)

MUS 130 VALKYRIES 0-1 HOUR
The study, rehearsal, and performance of choral literature for women’s voices. The choir presents on- and off-campus concerts throughout the year. Open to all female students. May be repeated for credit. (Fall, Spring)

MUS 131 CONCERT CHOIR 0-1 HOUR
The study, rehearsal, and performance of music for larger choral ensembles. The choir presents on- and off-campus concerts throughout the year. The course is open to all students with prior experience or by permission of the instructor and may be repeated for credit. (Fall, Spring)

MUS 132 UNIVERSITY SINGERS 0-1 HOUR
The study, rehearsal, and performance of music specific to opera, oratorio, and musical theatre. Admission is by audition only. May be repeated for credit. MUS 132 may not be substituted by music education majors for MUS 131. (Fall, Spring)

MUS 133 OPERA ENSEMBLE 1 HOUR
The study, rehearsal, and performance of music specific to opera, oratorio, and musical theatre. Admission is by audition only. May be repeated for credit. (Fall, Spring)

MUS 134 PIANO ENSEMBLES 1 HOUR
The study, rehearsal, and performance of music for all types of piano ensembles. Prerequisite: permission of instructor. May be repeated for credit. (Fall, Spring)

MUS 135 ACCOMPANYING 1 HOUR
Studio accompanying during one private lesson and one studio class weekly, as well as in the lessons, studio classes, recitals, and/or juries of various student performers. May be repeated for credit. (Fall, Spring)
MUS 140 ATHLETIC BAND 0-1 HOUR
The Athletic Band rehearses weekly and represents the VCSU Music Department at football games and basketball athletic events, serving student athletics, the Athletic Department, and the University. Repertoire will focus on standard and modern popular genres and styles, with emphasis on musical energy.

MUS 141 CONCERT BAND 0-1 HOUR
The study and performance of fine quality symphonic wind and percussion literature. The group presents concerts on- and off-campus annually. Band members also perform for home football and basketball games as members of the VCSU Viking Pep Band. The course is open to all students by permission of the instructor and may be repeated for credit. (Fall, Spring)

MUS 142 JAZZ ENSEMBLE 0-1 HOUR
The study and performance of big band music from the blues to modern jazz. The band presents concerts on- and off-campus. The course is open to all students by permission of the instructor and may be repeated for credit. MUS 142 may not be substituted by music education majors for MUS 141. (Fall, Spring)

MUS 143 GARAGE BAND 1 HOUR
The study and performance of popular music for guitarists, drummers, singers, and keyboardists. The group presents concerts on- and off-campus. The course is open to all students by permission of the instructor and may be repeated for credit. (Fall, Spring)

MUS 144 PERCUSSION ENSEMBLE/STEEL DRUM BAND 1 HOUR
The study and performance of percussion music representing various style periods. Admission is by permission of the instructor. Required for percussion primaries. May be repeated for credit. (Fall, Spring)

MUS 145 BRASS ENSEMBLE 1 HOUR
The study and performance of brass music representing various style periods. Admission is by permission of the instructor. May be repeated for credit. (Fall, Spring)

MUS 146 WOODWIND ENSEMBLE 1 HOUR
The study and performance of woodwind music representing various style periods. Admission is by permission of the instructor. May be repeated for credit. (Fall, Spring)

MUS 147 HANDBELL CHOIR 1 HOUR
The study, pedagogy, rehearsal, and performance of music for Handbell Choir. This ensemble serves as a basic preparation for leading Handbell Choirs. Admission is by permission of instructor. May be repeated for credit.

MUS 152 VOICE CLASS 1 HOUR
The fundamentals of vocal production for students with little or no previous vocal training, intended as a preliminary to individual applied study or choral ensemble participation. Vocal secondaries may substitute MUS 152 for one semester of MUS 153. Admission is by permission of the instructor. (Fall, Spring)

MUS 170 JAZZ IMPROVISATION 1-2 HOURS
The development of the ability to improvise music based upon a variety of chord structures. Instruction is in individual lessons or small groups. May be repeated for credit. (Fall, Spring)

APPLIED MUSIC

200-Level Applied Music 2 hours
The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the proficiency exam and passing to the next level. Prerequisite: two semesters (2-4 credits) of 100-level applied music, proficiency examination, and permission of the department. Applied lessons may not be audited.

MUS 250 PIANO 2 HOURS
MUS 251 ORGAN 2 HOURS
MUS 253 VOICE 2 HOURS
MUS 254 GUITAR 2 HOURS
MUS 255 VIOLIN 2 HOURS
MUS 256 VIOLA 2 HOURS
MUS 257 CELLO 2 HOURS
MUS 259 PERCUSSION 2 HOURS
MUS 260 TRUMPET 2 HOURS
MUS 261 FRENCH HORN 2 HOURS
MUS 262 TROMBONE 2 HOURS
MUS 263 EUPHONIUM 2 HOURS
MUS 264 TUBA 2 HOURS
MUS 265 FLUTE 2 HOURS
MUS 266 CLARINET 2 HOURS
MUS 267 SAXOPHONE 2 HOURS
MUS 268 OBOE 2 HOURS
MUS 269 BASSOON 2 HOURS

MUS 200 CONCERT ATTENDANCE 0 HOURS
A documentation of concert attendance by semester. The course is required of all music majors and minors for the duration of the program. Exceptions are made only for students who are practice teaching, or for majors or minors who have completed all program requirements. (Fall, Spring)

MUS 201 MUSIC THEORY III 3 HOURS
The study of harmonic and contrapuntal procedures used in western music from 1500 to the present. Emphasis is placed on formal structure, style characteristics, visual and aural analysis, and part-writing. Prerequisite: Successful completion of MUS 110. (Fall)

MUS 202 MUSIC THEORY IV 3 HOURS
A continuation of MUS 201. Emphasis is placed on formal structure, style characteristics, visual and aural analysis, and part-writing. Prerequisite: Successful completion of MUS 201. (Spring)

MUS 203 AURAL SKILLS III 1 HOUR
A companion course to Theory III, designed to develop the visual and aural skills of the student. Content includes rhythm and meter exercises; singing in scale degrees and solfege; and rhythmic, melodic and harmonic dictation. Prerequisite: Successful completion of MUS 122. (Fall)

MUS 204 AURAL SKILLS IV 1 HOUR
A companion course to Theory IV and a continuation of development of the skills introduced in MUS 203. Prerequisite: Successful completion of MUS 203. (Spring)

MUS 205 BASIC CONDUCTING 2 HOURS
A study of basic conducting techniques, score preparation, and interpretation of choral and instrumental literature. Prerequisites: Successful completion of MUS 110. (Fall, even years)
MUS 207 HISTORY OF ROCK’N’ROLL  3 HOURS
A historical survey of American popular music, expressly the Rock’n’Roll genre, from the turn of the 20th century to the present day. (Fall)

MUS 209 ADVANCED RECORDING & MASTERING  2 HOURS
An opportunity for real-world experience in the Viking Production Studio, with potential for advancement into a managerial position. Class members are responsible for recording music department performances, creating regular backups, and mastering mixes as needed. Prerequisites: MUS 102 or permission of the instructor. (Fall, Spring)

MUS 211 CLASS PIANO  1 HOUR
A course that supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility. For music majors only. Prerequisite: Successful completion of MUS 112 or a keyboard placement exam to determine placement in the class piano sequence. (Fall)

MUS 212 CLASS PIANO  1 HOUR
A course that supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility. For music majors only. Prerequisite: Successful completion of MUS 211 or a keyboard placement exam to determine placement in the class piano sequence. (Spring)

MUS 213 CLASS PIANO  1 HOUR
Keyboard instruction for online and face-to-face students working toward satisfaction of the keyboard proficiency requirement. Student must continue enrollment until completion of the proficiency. May be repeated for credit. Pre-requisite: Approval of the instructor. (Fall, Spring)

MUS 220 COMPOSITION  1-2 HOURS
Elaboration of weekly projects using intermediate compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. The course includes study and enhancement of transformational techniques. Acquired skills will be applied in the final composition project. May be repeated once for credit. Prerequisite: Successful completion of two semesters of MUS 120. Composition lessons may not be audited. (Fall, Spring)

MUS 231 DICTION FOR SINGERS I  1 HOUR
A detailed study of the pronunciation and articulation of sung English and German using the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds. Prerequisite: 1 semester of MUS 152 or MUS 153. (Fall, odd years)

MUS 232 DICTION FOR SINGERS II  1 HOUR
A detailed study of the pronunciation and articulation of sung French and Italian using the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds. Prerequisite: Successful completion of MUS 231. (Spring, even years)

MUS 233 DICTION FOR ONLINE STUDENTS  2 HOURS
A study of the pronunciation and articulation of sung English, Italian, German and French languages. Students will acquire an understanding of the use of the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds. Prerequisite: Two semesters of MUS 153 Applied Voice; or one semester of MUS 152 Voice Class and one semester of MUS 153. (Spring, even years)

MUS 209 ADVANCED RECORDING & MASTERING  2 HOURS
The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 300-level music lessons before attempting the proficiency exam and passing to the next level. Prerequisite: two semesters (4 credits) of 200-level applied music, proficiency examination, and permission of the department. Applied lessons may not be audited.

MUS 350 PIANO  2 HOURS
MUS 351 ORGAN  2 HOURS
MUS 353 VOICE  2 HOURS
MUS 354 GUITAR  2 HOURS
MUS 355 VIOLIN  2 HOURS
MUS 356 VIOLA  2 HOURS
MUS 357 CELLO  2 HOURS
MUS 358 STRING BASS  2 HOURS
MUS 359 PERCUSSION  2 HOURS
MUS 360 TRUMPET  2 HOURS
MUS 361 FRENCH HORN  2 HOURS
MUS 362 TROMBONE  2 HOURS
MUS 363 EUPHONIUM  2 HOURS
MUS 364 TUBA  2 HOURS
MUS 365 FLUTE  2 HOURS
MUS 366 CLARINET  2 HOURS
MUS 367 SAXOPHONE  2 HOURS
MUS 368 OBOE  2 HOURS
MUS 369 BASSOON  2 HOURS

MUS 301 SCORING & ARRANGING  2 HOURS
A study of the technique of scoring and arranging for instrumental and vocal ensembles in the public school. Attention is given to arranging and composing for ensembles with limited instrumentation. Students will complete several scoring assignments with hand manuscript, the latest computer scoring systems, and programmable synthesizer. Prerequisite: Successful completion of MUS 201. (Spring, odd years)

MUS 302 ADVANCED SCORING & ARRANGING  2 HOURS
An advanced study of scoring and arranging for band, jazz band, and vocal ensemble. Special attention is given to contemporary styles and the development of a personal compositional style. Students receive one private lesson per week. Prerequisite: Successful completion of MUS 301. (Fall)

MUS 303 INSTRUMENTAL CONDUCTING & LITERATURE  2 HOURS
A study of basic conducting techniques, score preparation, and interpretation of instrumental literature in various historical styles, including rehearsal techniques and conducting of live ensembles. Prerequisite: Successful completion of MUS 110. (Spring)

MUS 304 CHORAL CONDUCTING & LITERATURE  2 HOURS
A study of basic conducting techniques, score preparation, and interpretation of choral literature in various historical styles, including rehearsal techniques and conducting of live ensembles. Prerequisite: Successful completion of MUS 110. (Fall)

MUS 309 MUSIC INDUSTRY SEMINAR  3 HOURS
An introductory seminar class. The course explores various aspects of the music business such as copyright laws, digital media, arts marketing and management, distribution, song writing and publishing, business affairs, music in broadcasting and film, and career planning and development. (Fall, even years)
MUS 311 VIKING STUDIO MANAGEMENT  2 HOURS
Studio management experience in the Viking Productions Studio. Under the supervision of the instructor, students will be responsible for the management of the studio and staff, including time-sheets, recording schedules, verifying that assigned tasks were completed successfully, and monitoring all activities within the studio. Prerequisite: Successful completion of MUS 209 and permission of the instructor. (Fall, Spring)

MUS 320 COMPOSITION  1-2 HOURS
Elaboration of weekly projects using advanced compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. The course includes study and enhancement of transformational techniques and various compositional styles. Acquired skills will be applied in the required final composition project. May be repeated once for credit. Prerequisite: Successful completion of two semesters of MUS 220. Composition lessons may not be audited. (Fall, Spring, Summer)

MUS 321 PERCUSSION METHODS  1 HOUR
An introduction to basic techniques for performance and instruction of percussion instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences. (Spring, even years)

MUS 322 BRASS METHODS  1 HOUR
An introduction to basic techniques for performance and instruction of brass instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences. (Fall, odd years)

MUS 323 WOODWIND METHODS  1 HOUR
An introduction to basic techniques for performance and instruction of woodwind instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences. (Fall, odd years)

MUS 324 STRING METHODS  1 HOUR
An introduction to basic techniques for performance and instruction of string instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences. (Spring, odd years)

MUS 325 VOCAL METHODS  1 HOUR
An introduction to basic knowledge of correct vocal production techniques, vocal literature for students ages 13-23, and techniques for classification and instruction of changing and changed voices. An emphasis is placed on pedagogical experiences. Prerequisite: MUS 152 or MUS 153. (Spring, odd years)

MUS 326 GUITAR METHODS  1 HOUR
Basic techniques for performance and instruction of guitar. Selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences. (Spring, even years)

MUS 331 MUSIC HISTORY & LITERATURE  3 HOURS
A survey of the history and literature of Western music from the ancient Greeks through the Renaissance (900 BC-1699). The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers. Music, including examples related to non-Western cultures, is studied within the context of its social-cultural epoch. Prerequisite: Successful completion of MUS 110. (Fall 2014, Spring 2016)

MUS 332 MUSIC HISTORY & LITERATURE  3 HOURS
A survey of the history and literature from the Baroque and Classical periods. The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers. Music, including examples related to non-Western cultures, is studied within the context of its social-cultural epoch. Prerequisite: Successful completion of MUS 110. (Fall 2015, Fall 2016)

MUS 333 MUSIC HISTORY & LITERATURE  3 HOURS
A survey of the history and literature of music from the Romantic period through the present day. The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers. Music, including examples relating to non-Western cultures, is studied within the context of its respective social-cultural epoch. Prerequisite: Successful completion of MUS 110. (Fall 2015; Spring 2017)

MUS 375 APPLIED PEDAGOGY  3 HOURS
A foundational course for teaching any applied instrument (including piano) through private lessons. The class focuses on teaching techniques and evaluation of materials relevant to applied instruction. Business and professional issues facing the independent studio teacher are covered as well as planning a well-rounded studio curriculum, including music theory, music history, chamber music, improvisation, summer camps, and uses for technology. Prerequisite: permission of instructor. (Fall)

MUS 376 PIANO PEDAGOGY  3 HOURS
A course designed to provide an essential foundation for teaching piano. The class focuses on teaching techniques, evaluations of recent piano method books, piano repertoire, piano technique, and the skills of practicing, memorizing, and performing. An integral part of the class is observation of instruction and student teaching of private and/or group lessons under faculty supervision. Prerequisite: permission of instructor. (Spring)

MUS 379 MUSIC IN THE ELEMENTARY SCHOOL  3 HOURS
An introduction to the basic knowledge of music teaching techniques in K-6, including a functional knowledge of guitar and behavior management strategies. The course includes school observations, peer supervised teaching opportunities, and development of standards-based curricula. Models of instruction include Orff, Kodaly, Dalcroze, and Gordon. Prerequisite: MUS 303 or MUS 304 and admission to Teacher Education. (Fall, odd years)

MUS 390 VCSU CSA INTERNSHIP  1-3 HOURS
An opportunity for students to serve as interns in the VCSU Community School of the Arts on either a teaching track or a conducting track. Student teachers are assigned students and have their teaching supervised and critiqued on a regular basis. Student conductors are given regular conducting and ensemble duties and are also supervised and critiqued regularly. The course may be repeated for credit. Prerequisite: Permission of the Director of the Community School of the Arts or the appropriate ensemble director. (Fall, Spring)

MUS 397 VCSU CSA INTERNSHIP  1-3 HOURS
An opportunity for the music industry student to gain a real-life experience in a local music business. Students research their particular business placement and spend time working in the environment under the guidance of the proprietor and the university faculty. (Fall, Spring)
**APPLIED MUSIC**

**400-LEVEL APPLIED MUSIC** 2 HOURS
Senior recital is the final course in the sequence of applied music for music majors and culminates in a public performance by the student. Prerequisite: two semesters (4 credits) of 300-level applied music for Music Education majors and three semesters (6 hours) for BA/BS in Music majors proficiency examination, and permission of the department. Senior Recital may not be audited.

**MUS 450 SENIOR RECITAL PIANO** 2 HOURS
**MUS 451 SENIOR RECITAL ORGAN** 2 HOURS
**MUS 453 SENIOR RECITAL VOICE** 2 HOURS
**MUS 454 SENIOR RECITAL GUITAR** 2 HOURS
**MUS 455 SENIOR RECITAL VIOLIN** 2 HOURS
**MUS 456 SENIOR RECITAL VIOLA** 2 HOURS
**MUS 457 SENIOR RECITAL CELLO** 2 HOURS
**MUS 458 SENIOR RECITAL STRING BASS** 2 HOURS
**MUS 459 SENIOR RECITAL PERCUSSION** 2 HOURS
**MUS 460 SENIOR RECITAL TRUMPET** 2 HOURS
**MUS 461 SENIOR RECITAL FRENCH HORN** 2 HOURS
**MUS 462 SENIOR RECITAL TROMBONE** 2 HOURS
**MUS 463 SENIOR RECITAL EUPHONIUM** 2 HOURS
**MUS 464 SENIOR RECITAL TUBA** 2 HOURS
**MUS 465 SENIOR RECITAL FLUTE** 2 HOURS
**MUS 466 SENIOR RECITAL CLARINET** 2 HOURS
**MUS 467 SENIOR RECITAL SAXOPHONE** 2 HOURS
**MUS 468 SENIOR RECITAL OBOE** 2 HOURS
**MUS 469 SENIOR RECITAL BASSOON** 2 HOURS

**MUS 490 MUSIC IN THE JUNIOR & SENIOR HIGH SCHOOL 3 HOURS**
An introduction to the basic methods, materials, models, organization, and rehearsal techniques for the complete music program in grades 7-12. The course includes school observations, peer and supervised teaching opportunities, and development of standards-based curricula. Prerequisite: MUS 303 or MUS 304 and admission to Teacher Education. (Spring, even years)

**MUS 491 PORTFOLIO DEVELOPMENT 1 HOUR**
A course to assist the student in developing the digital portfolio used to assess completion of the VCSU requirements for Abilities and Skills. The course will address both technical application and content. (Fall)

**MUS 497 INTERNSHIP 3-12 HOURS**
An opportunity for students to apply classroom learning to an on-the-job work experience. The internship must be related to the student’s major or minor program and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or Senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring)

**MUS 199-499 SPECIAL TOPICS 1-3 HOURS**
Individualized courses allowing the student to pursue special interests. Prerequisite: permission of the department. (By arrangement)

**PHYSICS**

**PHYS 100 CONCEPTS OF PHYSICS 4 HOURS**
An introduction to the concepts of physics as they apply to everyday life. Ideas are presented with a conceptual rather than mathematical approach. The laboratory is a co-requisite of this course. pre-requisite ACS 93 or equivilant. (Fall, Spring)

**PHYS 110 INTRODUCTORY ASTRONOMY 4 HOURS**
An introductory study of the universe including the solar system, stars, stellar evolution, galaxies, black holes, big bang cosmology, and the expanding universe. Laboratory experiments, visual observations, and telescopic observations are included to reinforce the concepts covered. (Fall)

**PHYS 161, 162 INTRO TO COLLEGE PHYSICS I, II 4 HOURS EACH**
A general physics sequence for those who do not plan to take advanced courses in science. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, vibrations and waves, electricity and magnetism, light and optics. The laboratory is a co-requisite of each course. PHYS 161 has no mathematical prerequisite but knowledge of elementary algebra is recommended. Prerequisites: For PHYS 161, none; For PHYS 162, PHYS 161. (PHYS 161-Fall; PHYS 162-Spring)

**PHYS 251, 251L, 252, 252L UNIVERSITY PHYSICS I, II 4/1 HOURS EACH**
A general physics sequence for students majoring in chemistry, physics, or engineering. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics, vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. The laboratory is a corequisite of each course. Prerequisites: For PHYS 251, MATH 165; for PHYS 252, MATH 166 and PHYS 251. (Fall and Spring, alternate years)

**PHYS 275 PLANETARIUM SCIENCE 1 HOUR**
An opportunity for students to learn about the operation and maintenance of the Spitz Space System 512 Planetarium and to demonstrate the astronomical principles which this instrument models. Topics include star and constellation identification and the planetary analog. Students participate in the production and performance of planetarium shows. This course may be repeated for credit up to 3 semester credit hours. (Fall, Spring)

**PHYS 395 LABORATORY PREPARATION & MANAGEMENT 1 HOUR**
A practicum-like course giving students the opportunity to directly assist the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratory by storeroom management, laboratory preparation and operation, evaluation of laboratory, equipment maintenance and repair, safety, classroom demonstrations and related topics. This course may be repeated for credit up to three semester credit hours. (Fall, Spring)

**PHYS 490 SEC. SCIENCE METHODS & TECHNIQUES 3 HOURS**
A course designed to prepare prospective science teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and in the ordering of equipment and supplies. The course includes laboratory practicum experience. Prerequisites: Status of at least a second semester junior with a major or minor in science and admission to Teaching Education. (Fall, even years)

**PHYS 294, 394, 494 INDEPENDENT STUDY/UNDERGRADUATE RESEARCH 4 HOURS**
A capstone course for all science majors. The course is designed to integrate the subject matter from basic science courses and other disciplines into the formulation, investigation, analysis, and presentation of the results of a scientific project. Project requests should be submitted three semesters before graduation. Prerequisites: Junior status; approval of the project by the science department faculty. (By arrangement)
POLITICAL SCIENCE

PHYS 397, 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

POLS 115 AMERICAN NATIONAL GOVERNMENT 3 HOURS
A study of the history, institutions, and principles of the United States government, along with its current major policy concerns and political behavior. (Fall, even years)

POLS 116 STATE AND LOCAL GOVERNMENT 3 HOURS
A study of the development, structure, and operation of American state and local governments and their roles in the lives of the American people. (Fall, odd years)

POLS 252 INTRODUCTION TO THE SOCIAL AND CRIMINAL JUSTICE SYSTEM 3 HOURS
An overview of the criminal justice process, including law-making, law enforcement, criminal proceedings, and societal responses. Cross-referenced with SOC. Prerequisite: State and Local Government and/or Introduction to Sociology (Fall)

POLS 303 CANADIAN GOVERNMENT & POLITICS 3 HOURS
A study of the development, structure, and operation of Canadian government with special emphasis on the parliamentary system. (With sufficient student demand)

POLS 330 UNDERSTANDING STATISTICS 3 HOURS
This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM/PSYC/SOC 330. Prerequisite: MATH 103 or 104. (Fall, F2F)

POLS 340 RESEARCH METHODS 3 HOURS
An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed. Cross-referenced with COMM/PSYC/SOC 340. Prerequisite: ENGL 110, 120, or 125; COMM/POLS/PSYC/SOC 330 (Fall, online; Spring F2F)

POLS 375 THE U.S. CONSTITUTION: FEDERALISM 3 HOURS
A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the development of Federalism in fact and theory. Cross-referenced with HIST 375. (Spring, even years)

POLS 376 THE U.S. CONSTITUTION: CIVIL LIBERTIES 3 HOURS
A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the exercise of civil liberty in fact and theory. Cross-referenced with HIST 376. (Fall, odd years)

POLS 380 THE AMERICAN PRESIDENCY 3 HOURS
A study of the development of the American presidency through time including representative presidential administrations, i.e. Washington, Jefferson, Jackson, Lincoln, Theodore Roosevelt, Wilson, Franklin D. Roosevelt, Truman, Eisenhower, Johnson, Nixon, Carter, Reagan, and Bush. Cross-referenced with HIST 380. (Fall, even years)

POLS 395 STUDENT GOVERNMENT PRACTICUM 1 HOUR
A practicum experience in student government for students who are elected to Student Senate. (Fall, Spring)

POLS 494 INDEPENDENT STUDY 1-3 HOURS
Directed study and reading concerning a topic in political science. Prerequisites: Permission of instructor and approval of Department Chair. (With sufficient student demand.)

POLS 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

POLS 499 SPECIAL TOPICS AND READINGS 1-3 HOURS
An opportunity for students to study subjects not covered in usual course offerings. Prerequisite: Permission of instructor and approval of Department Chair. (With sufficient student demand.)

PSYCHOLOGY

PSYC 111 INTRODUCTION TO PSYCHOLOGY 3 HOURS
A survey of the scientific study of behavior and mental processes. (Fall, F2F and online; Spring, F2F and online)

PSYC 250 DEVELOPMENTAL PSYCHOLOGY 3 HOURS
A survey of the psychology of human life span development. Prerequisite: PSYC 111 (Fall, F2F and online, Spring, F2F and online, Summer online)

PSYC 310 BEHAVIOR MODIFICATION 3 HOURS
Introduction to basic principles and techniques of behavior modification. Emphasis is placed on the use of behavior modification techniques in self-management, education, child rearing, and helping professions. Prerequisite: PSYC 111 Cross-referenced with SPED 310 (Spring online)

PSYC 330 UNDERSTANDING STATISTICS 3 HOURS
This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM/POLS/PSYC/SOC 330. Prerequisite: MATH 103 or 104. (Fall, F2F)

PSYC 340 RESEARCH METHODS 3 HOURS
An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed. Cross-referenced with COMM/PSYC/SOC 340. Prerequisite: ENGL 110, 120, or 125; COMM/POLS/PSYC/SOC 330 (Fall, online; Spring F2F)

PSYC 350 SOCIAL PSYCHOLOGY 3 HOURS
A study of the effects of social influence and physical environment on human behavior. The course examines how people affect each other and how they are affected by social situations. Among the topics covered are social cognition, attitudes, social interaction, attraction, aggression, prejudice, conformity, and gender roles. Cross-referenced with SOC 350. Prerequisite: PSYC 111, COMM/POLS/PSYC/SOC 340. (Spring even, F2F; Spring odd, online)

PSYC 360 CRIMINAL PSYCHOLOGY 3 HOURS
A study of the effects of legal environment on human behavior. Prerequisite: PSYC 111. Cross-referenced with SPED 310. (Spring, F2F)

PSYC 395 ANTHROPOLOGY OF GENDER 3 HOURS
A study of the effects of social environment on human behavior. The course examines how people affect each other and how they are affected by social situations. Among the topics covered are social cognition, attitudes, social interaction, attraction, aggression, prejudice, conformity, and gender roles. Cross-referenced with SOC 350. Prerequisite: PSYC 111, COMM/POLS/PSYC/SOC 340. (Spring even, F2F; Spring odd, online)
PSYC 360 GROUP DYNAMICS  3 HOURS
A study of the phenomena of interpersonal interactions in small groups. An opportunity for interaction in small groups is provided. Theories of interpersonal relations are discussed. Cross-referenced with COMM 360 and SOC 360. Prerequisite: PSYC 111 or permission of instructor. (Fall)

PSYC 370 ABNORMAL PSYCHOLOGY  3 HOURS
A survey of the classification, symptoms, etiology, and treatment of psychological disorders. Prerequisite: PSYC 111. (Fall, F2F and online)

PSYC 380 HUMAN SEXUALITY  3 HOURS
A study of the role and meaning of human sexuality in relation to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with BIOL/PER 380. (Fall, F2F; Spring, F2F)

PSYC 410 MENTAL HEALTH  3 HOURS
A study of the ongoing process of adjustment. This course focuses on how to help people apply psychological insights and principles to their own lives as a way of achieving better understanding of themselves and living more effectively. Prerequisite: PSYC 111 (Fall, Online)

PSYC 416 CORRECTIONS: INSTITUTIONAL AND COMMUNITY  3 HOURS
Analysis of institutional and community based corrections. Emphasis on historical, contemporary, and developing trends and processes. Cross-referenced with SOC 416. Prerequisite: PSYC 111 and/or SOC 110. (Spring, even years)

PSYC 450 PERSONALITY THEORIES  3 HOURS
An examination of major psychological theories related to personality. Special attention is given to the interrelated subparts of personality development, personality dynamics, complex personality processes, and evaluation. Prerequisite: PSYC 111. (Spring odd, F2F; Spring even, online)

PSYC 470 COUNSELING THEORY & PRACTICE  3 HOURS
A study of counseling principles and practices in educational, industrial, and community settings. Philosophy, objectives, and organization are stressed. Prerequisite: PSYC 111. (Spring odd, online; Spring, even F2F)

PSYC 491 SENIOR PORTFOLIO  1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

PSYC 494 INDEPENDENT STUDY  1-4 HOURS
A directed study of selected topics in the field of psychology for the advanced student. Prerequisite: Permission of Division Chair. (By arrangement)

PSYC 497 INTERNSHIP  3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore, cumulative grade point average of 3.0. S/U grading only. (Fall, Spring, Summer)

SOCIOLOGY

SOC 110 INTRODUCTION TO SOCIOLOGY  3 HOURS
The study of human behavior in social groups, institutions, and organization, including the impact of human interactions and social problems on human behavior. (Fall, F2F; Spring, Online)

SOC 111 INTRODUCTION TO ANTHROPOLOGY  3 HOURS
An introductory course on human evolution and the cross-cultural development of social institutions. (Fall, Online)

SOC 130 INTRODUCTION TO HUMAN SERVICES  3 HOURS
An introduction to the human service professions, including the various roles, functions, values, and personal attributes needed to function effectively in these careers. This course covers the history, practice setting, career opportunities, and philosophical concepts related to working with vulnerable populations. (Spring, even years)

SOC 220 THE FAMILY  3 HOURS
A study of the family as an important societal institution. The course takes a historical and sociological perspective, examining the impact of gender, social class, and race/ethnicity on families in the U.S. (Spring, even years)

SOC 251 INTRODUCTION TO GERONTOLOGY  3 HOURS
The analysis of aging within the context of the life cycle with emphasis on the major concerns of the elderly and social policies that affect the lives of the elderly. Prerequisite: SOC 110. (Fall, even years)

SOC 252 INTRODUCTION TO THE SOCIAL AND CRIMINAL JUSTICE SYSTEM  3 HOURS
An overview of the criminal justice process, including law-making, law enforcement, criminal proceedings, and societal responses. Cross-referenced with POLS 252. Prerequisite: State and Local Government and/or Introduction to Sociology (Fall)

SOC 270 NATIVE AMERICAN STUDIES  3 HOURS
A multicultural study of Native American cultural and historical development. Topics addressed include interactions with European and Anglo-American settlers and government, agency and the concept of the Middle Ground, U.S. federal Indian policy, cultural resurgence, and North Dakota Indian tribes. Cross-referenced with HIST 270. (Fall, even years)

SOC 300 RACE, ETHNIC, & GENDER RELATIONS  3 HOURS
The social-historical study of racial, ethnic, and gender relations. Cross-referenced with HIST 300. Prerequisite: SOC 110. (Spring, even years)

SOC 330 UNDERSTANDING STATISTICS  3 HOURS
This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM/POLS/PSYC 330. Prerequisites: MATH 103 or 104. (Fall, F2F)

SOC 340 RESEARCH METHODS  3 HOURS
An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed. Cross-referenced with COMM/POLS/PSYC 340. Prerequisite: ENGL 110, 120, or 125; COMM/POLS/PSYC/SOC 330 (Fall, online; Spring F2F)
SOC 350 SOCIAL PSYCHOLOGY 3 HOURS
An introduction to the field of social psychology designed to offer the student a better understanding of the effects of the social and physical environment on human behavior. Cross-referenced with PSYC 350. Prerequisite: PSYC 111, COMM/POLS/PSYC/SOC 340. (Spring even, F2F; Spring odd, online)

SOC 360 GROUP DYNAMICS 3 HOURS
A study of the phenomena of interpersonal interactions in small groups. An opportunity for interaction in small groups is provided. Theories of interpersonal relations are discussed. Cross-referenced with COMM/ PSYC 360. Prerequisites: SOC 110 and PSYC 111 or permission of instructor. (Fall)

SOC 390 CRIMINOLOGY AND DELINQUENCY 3 HOURS
A study of the causation, detection, prevention, and correction of criminal and delinquent behavior. Prerequisite: SOC 110. (Spring, odd years)

SOC 416 CORRECTIONS: INSTITUTIONAL AND COMMUNITY 3 HOURS
Analysis of institutional and community based corrections. Emphasis on historical, contemporary, and developing trends and processes. Cross-referenced with PSYC 416. Prerequisite: SOC 110 and/or PSYC 111. (Spring, even years)

SOC 422 SOCIAL SCIENCE THEORY 3 HOURS
A focus on sociological and social psychological theories and conceptual frameworks. Both classic and contemporary theories and conceptual frameworks are discussed and explored. Examples of theoretical frameworks discussed include functionalism, conflict theory, symbolic interaction and feminist theories. The course should be taken in junior or senior year. Cross-referenced with PSYC 422. Prerequisite: SOC 110. (Fall)

SOC 425 SOCIOLOGY/PSYCHOLOGY OF SPORT 2 HOURS
Sociology units include the relationship between sport and racism, politics, economics, religion, and societal pressures on athletes and coaches. Psychology units include learning processes, practice planning, motivation, mental preparation, and communication skills. Cross-referenced with HPER 425. Prerequisite: SOC 110. (Fall, Spring)

SOC 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

SOC 494 INDEPENDENT STUDY 1-3 HOURS
Directed study and reading concerning an area in sociology. Prerequisites: Permission of instructor and approval of Department Chair. (With sufficient student demand)

SOC 497 BEHAVIORAL SCIENCE INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

SOC 499 SPECIAL TOPICS AND READINGS 1-3 HOURS
An opportunity for students to study subjects not covered in usual course offerings. Prerequisites: Permission of instructor and approval of Department Chair. (With sufficient student demand.)

SOFTWARE ENGINEERING

SE 201 INTRODUCTION TO SOFTWARE ENGINEERING 3 HOURS
An introduction to principles of software engineering concepts including lifecycle models, requirements, design, implementation, testing, documentation and the related tools and techniques. Prerequisite: CSCI 161 (Fall)

SE 211 SOFTWARE CONSTRUCTION 3 HOURS
An introduction to low-level design issues, including formal approaches, basics of formal languages, overview of principles of programming languages, criteria for selecting languages and platforms, tools for automating design and construction, and concurrency. Prerequisite: SE 201 (Spring)

SE 212 SOFTWARE ENGINEERING APPROACH TO HUMAN COMPUTER INTERACTION 3 HOURS
Overview of a wide variety of topics relating to designing and evaluating user interfaces, as well as psychological principles of human-computer interaction. Prerequisites: SE 201 (Spring)

SE 242 DATA STRUCTURES 3 HOURS
The study of abstract data types (ADTs) and alternatives for implementation of lists, arrays, sets, trees, and graphs. The course explores dynamic and static data structures; time and space analysis of algorithms for initializing; and accessing, searching, sorting and traveling. Cross-referenced CSCI 242. Prerequisites: CSCI 161. (Fall, even years)

SE 311 SOFTWARE DESIGN & ARCHITECTURE 3 HOURS
An in-depth coverage of advanced software design, particularly aspects relating to distributed systems and software architecture. Prerequisites: SE 211 (Fall)

SE 321 SOFTWARE QUALITY Assurance & TESTING 3 HOURS
A broad coverage of software quality and testing to include quality assurance, inspections and reviews, software validation, and testing techniques. Prerequisites: SE 201 (Spring)

SE 379 SOCIAL IMPLICATIONS OF COMPUTERS 3 HOURS
An examination of social, legal, philosophical, and ethical implications of computing in society and obligations as professionals in software engineering related fields. Prerequisites: Junior Standing (Spring)

SE 380 SYSTEMS ANALYSIS AND DESIGN 3 HOURS
A practical approach to systems analysis and design using a blend of traditional development methods and current technologies with a focus on gathering requirements. Cross-referenced with CIS 380. (Fall)

SE 381 PROJECT MANAGEMENT 3 HOURS
An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381, MGMT 381. (Spring)
SE 385 DATABASE THEORY/DESIGN 3 HOURS
An introduction to relational database concepts, theory, design and management. Cross-referenced with CIS 385. Prerequisite: CIS 104. (Fall)

SE 480 CAPSTONE 3 HOURS
A capstone course that provides students, working in groups, with a significant project experience in which they can integrate much of the material they have learned in their program, including matters relating to requirements, design, human factors, professionalism, and project management. Prerequisites: SE 380, SE 381 and Senior standing. (Spring)

SE 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the student’s completion of the VCSU requirement for Abilities and Skills. Prerequisites: Co-enroll with SE 480 Capstone. Senior standing. (Spring)

SE 497 INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or Senior standing; application made as a sophomore; cumulative grade point average of 2.50. (Fall, Spring, Summer)

SPANISH

SPAN 101, 102 1ST YEAR SPANISH I & II 4 HOURS EACH
A study of grammar, speaking, reading, and writing in Spanish for students who have had no previous knowledge of the language. (101-Fall; 102-Spring)

SPAN 201, 202 2ND YEAR SPANISH I & II 4 HOURS EACH
A continuation of SPAN 101, 102, with further development of reading skills to increase vocabulary. The course includes selected readings and conversation in Spanish and an introduction to the literature of Spain and Latin America. Prerequisite: SPAN 102 or equivalent. (201-Fall; 202-Spring)

SPAN 305 SPANISH PHONOETICS 3 HOURS
Theoretical and practical approach to the phonetics and phonology of Spanish. Prerequisite: SPAN 202 or equivalent. (Fall, even years)

SPAN 320 INTRODUCTION TO HISPANIC LITERATURE 3 HOURS
The reading and discussion of outstanding literary works of Spanish and Spanish American literature. Prerequisite: SPAN 202. (Fall, odd years)

SPAN 345 HISTORY & GEOGRAPHY OF SPAIN & LATIN AMERICA 3 HOURS
An exploration of the history of Spain and Latin America from the time of the Roman occupation of Spain to Latin America colonization, as well as concepts of geography and human development. (Spring, even years)

SPAN 350 HISPANIC CULTURE & CIVILIZATION 3 HOURS
A study of various aspects of Hispanic culture and civilization through the centuries. Prerequisite: SPAN 345. (With sufficient demand)

SPAN 391 GLOBAL SEMINAR 1-3 HOURS
Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student’s choice. Required before a study-abroad program travel. Cross-referenced with ENGL, HUM, HIST, and GEOG. (Spring)

SPAN 393 PRACTICUM IN TEACHING SPANISH 1-3 HOURS
An opportunity for firsthand experience in teaching Spanish. (By arrangement)

SPAN 396, 496 TRAVEL TO A SPANISH SPEAKING COUNTRY 1-4 HOURS
An opportunity to travel to a Spanish-speaking country in order to improve the understanding of language and culture. Up to four semester hours of credit may be earned. With Departmental approval. (By arrangement)

SPAN 415 ADVANCED SPANISH CONVERSATION 3 HOURS
An opportunity for advanced skill development in speaking and listening to the language. Prerequisite: SPAN 202 or the equivalent. (Spring, odd years)

SPAN 420 READINGS IN HISPANIC LITERATURE 3 HOURS
A study of selected literary texts in the Spanish language. Prerequisite: SPAN 320. (With sufficient demand)

SPAN 445 READINGS IN HISPANIC HISTORY 3 HOURS
An in-depth examination of primary and secondary historical documents related to specific topics in Hispanic history. (With sufficient student demand)

SPAN 490 METHODS OF TEACHING SPANISH 3 HOURS
A study of the curriculum, methods, materials, and trends in the teaching of Spanish. SPAN 490 must be taken prior to student teaching. Prerequisite: Admission to Teacher Education. (With sufficient demand)

SPAN 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall)

SPAN 494 DIRECTED READINGS 1-4 HOURS
A directed study in literature or language according to interest of the student. (By arrangement)

SPAN 497 SPANISH INTERNSHIP 3-12 HOURS
An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student’s major or minor course of study and may be in any geographic location. Credit is granted in a range of three to twelve hours per semester and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: Junior or Senior standing; application made as a sophomore; cumulative grade point average of 2.50. S/U grading only. (By arrangement)

SPECIAL EDUCATION

SPED 310 BEHAVIOR MODIFICATION 3 HOURS
Introduction to basic principles and techniques of behavior modification. Emphasis is placed on the use of behavior modification techniques in self-management, education, child rearing, and helping professions. Cross-referenced with PSYC 310. Prerequisite: PSYC 111. (Spring online)
SPED 333 ASSESSMENT OF STUDENTS WITH DISABILITIES 3 HOURS
A course in assessment for those who will be required to understand and use assessment data for students in all educational settings including students with disabilities. The course covers basic assessment concepts and evaluation of standardized tests and their use in decision making in regular and special education settings. Prerequisite: EDUC 240 (Spring)

SPED 334 PRACTICUM - ASSESSMENT OF STUDENTS WITH DISABILITIES 2 HOURS
A course for those who will be required to understand and use assessment data for students in all educational settings including students with disabilities. The course covers basic assessment concepts and evaluation of standardized tests and their use in decision making in regular and special education settings. Prerequisite: EDUC 240 and SPED 333 may be taken concurrently. (Spring)

SPED 380 COLLABORATION, CONSULTATION, AND TRANSITION PLANNING FOR STUDENTS WITH DISABILITIES 3 HOURS
This introductory course is designed to prepare special education personnel, classroom teachers, paraeducators and other school district staff in collaborative school consultation and teamwork in serving the educational needs of students at all levels, including the transition planning need of secondary students. Prerequisite: Admission to Teacher Education and EDUC 240 (Fall)

SPED 382 METHODS AND MATERIALS OF SLD 2 HOURS
Methods and materials of SLD is designed to prepare students with information to help them make appropriate decisions concerning students with learning problems. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social, emotional and behaviors and to teach academic skills adapted to the students unique needs. Prerequisite: Admission to Teacher Education and EDUC 240 or concurrently with EDUC 340 (Spring)

SPED 383 METHODS AND MATERIALS OF ED 2 HOURS
Methods and material of ED is designed to prepare students with information to help them make appropriate decisions concerning students with emotion or behavioral problems. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social, emotional and behaviors. Prerequisite: Admission to Teacher Education and EDUC 240 or concurrently with EDUC 340 (Fall)

SPED 384 METHODS AND MATERIALS OF ID 2 HOURS
Methods and material of ID is designed to prepare students with information to help them make appropriate decisions concerning students with cognitive impairments and/or developmental delays. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social, emotional and behaviors and to teach academic skills adapted to the students unique needs. Prerequisite: Admission to Teacher Education and EDUC 240 or concurrently with EDUC 340 (Fall)

SPED 385 PRACTICUM IN SLD 1 HOUR
Practicum in Specific Learning Disabilities is an opportunity for the student working for an endorsement in special education to have hands on experience working in special education and regular classrooms serving students with a wide range of learning, cognitive and emotional disabilities. Prerequisite: Admission to Teacher Education and SPED 382 or concurrently with SPED 382 (Fall, Spring)

SPED 386 PRACTICUM IN ED 1 HOUR
Practicum in Emotional Disturbance is an opportunity for the student working for an endorsement in special education to have hands on experience working in special education and regular classrooms serving students with a wide range of learning, cognitive and emotional disabilities. Prerequisite: Admission to Teacher Education and SPED 383 or concurrently with SPED 383 (Fall, Spring)

SPED 387 PRACTICUM IN ID 1 HOUR
Practicum in Intellectual Disabilities is an opportunity for the student working for an endorsement in special education to have hands on experience working in special education and regular classrooms serving students with a wide range of learning, cognitive and emotional disabilities. Prerequisite: Admission to Teacher Education and SPED 384 or concurrently with SPED 384 (Fall, Spring)

STEM EDUCATION

STEM ED 306 INVENTIONS & INNOVATIONS – TECHNOLOGY EDUCATION FOR CHILDREN 2 HOURS
A focus on innovation and inventions, as well as methods for the use of STEM activities in the elementary classroom. (Elementary) (Fall)

STEM ED 306L INVENTIONS AND INNOVATIONS – TECHNOLOGY EDUCATION FOR CHILDREN LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 306 course. (Fall)

STEM ED 310 DESING, TECHNOLOGY & ENGINEERING FOR ELEMENTARY 2 HOURS
A focus on the design and engineering process, as well as methods integrate STEM activities into the elementary school curriculum. (Elementary) (Spring)

STEM ED 310L DESIGN, TECHNOLOGY & ENGINEERING FOR ELEMENTARY LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 310 course. (Spring)

STEM ED 331 INNOVATION & ENGINEERING DESIGN 2 HOURS
The preparation of prospective teachers to teach a middle school course using engineering design activities to understand how criteria, constraints, and processes affect designs. Activities include brainstorming, visualizing, modeling, constructing, testing and refining designs. (Fall)

STEM ED 331L INNOVATION & ENGINEERING DESIGN LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 331 Course. (Fall)

STEM ED 342 BUILDING MATH 3 HOURS
A course that focuses on hands-on transdisciplinary investigations integrated with project-based engineering design activities for middle school students. The course emphasizes algebraic thinking skills through the collection and analysis of data to solve real problems. (Fall)
STEM ED 355 STEM CURRICULUM AND METHODS ELEMENTARY 3 HOURS
Foundational course for fully implementing effective elementary-level STEM Education. Reviews and explores current trends in STEM Education; standards-based education and backward design; integration of content; evolution, philosophy, purpose, methods, and standards of STEM disciplines; and interdisciplinary methods for successfully engaging students and achieving STEM literacy. (Spring)

TECH 330 EXPLORING TECHNOLOGY 2 HOURS
A course designed to prepare prospective teachers to teach technology concepts in middle school. Students explore the widest possible range of technologies and their impact on society, including the most significant developments of the modern world. (Spring)

TECH 330L EXPLORING TECHNOLOGY LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 330 course. (Spring)

TECH 371 TECHNOLOGY SYSTEMS 2 HOURS
A focus on content and processes associated with technological systems with a middle school emphasis. Students apply systems concepts to design and problem solving activities. (Spring)

TECH 371L TECHNOLOGY SYSTEMS LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 371 course. (Spring)

TECH 391 FOUNDATIONS OF TECHNOLOGY 2 HOURS
An exploration of the foundations of technology. Through group and individual activities, the students engage in discussion and laboratory activities based on science, mathematics, and engineering in a secondary education setting. Creating ideas, developing innovations, and engineering practical solutions are explored. (Fall, odd years)

TECH 391L FOUNDATIONS OF TECHNOLOGY LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 391 course. (Fall, odd years)

TECH 394 INDEPENDENT STUDY 1-3 HOURS
A student-initiated course designed to expand course offerings to meet a special need. The major student effort may be a project or research activity. Prerequisite: Instructor-approved proposal. (By arrangement)

TECH 416 INNOVATIONS IN TECHNOLOGY 2 HOURS
A focus on how the student applies his or her knowledge and research to areas of mass production, manufacturing, resources, management, marketing of inventions and innovations, analytical thinking, decision-making, and continuous design improvements are emphasized. (Fall)

TECH 416L INNOVATIONS IN TECHNOLOGY LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 416 course. (Fall)

TECH 456 INTELLIGENT MACHINES 2 HOURS
A focus on practical interfacing of computers to peripheral devices such as digital cameras, scanners, printers, storage devices, robots, actuators, motors, black boxes, and data capture probes. Commercial software components are also explored. (Spring, even years)

TECH 478 TECHNOLOGY ASSESSMENT 2 HOURS
Familiarizes the student with issues surrounding technology assessment in a secondary school including the need for assessment, the role of the citizen, the role of the expert, the role of the government, the strengths and limitations of assessment. (Spring, odd years)
TECH 478L TECHNOLOGY ASSESSMENT LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 478 course. (Spring, odd years)

TECH 491 SENIOR PORTFOLIO 1 HOUR
A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content. (Fall, Spring)

TECH 495 SENIOR PROBLEMS 1-3 HOURS
A course designed to demonstrate the student’s ability to draw upon his or her knowledge and research skills obtained in the various courses to solve a problem of his or her selection. A significant research report is required. (By arrangement)

THEATRE

THEA 110 INTRODUCTION TO THEATRE ARTS 3 HOURS
An introduction to the principles and history of the theatre arts, including play analysis, acting, design, and directing. (Fall)

THEA 161 ACTING ONE 3 HOURS
A course designed to acquaint the students with basic stage movement and vocal performance techniques. Acquaints students with basic acting techniques, including skills for movement and voice. (Fall)

THEA 201 THEATRE PRACTICUM 1-3 HOURS
An opportunity for students to gain practical experience through participation in theatre productions. Option A includes technical theatre practice. Option B includes performance in a dramatic production before an audience. The number of credit hours is granted at the discretion of the instructor. (Fall, Spring) (Repeatable)

THEA 229 FUNDAMENTALS OF CREATIVE DRAMATICS 3 HOURS
An introduction to dramatic materials and techniques that may be used in the classroom to stimulate students’ imagination and enhance the teaching of nearly all academic disciplines. (With sufficient student demand)

THEA 270 STAGECRAFT 3 HOURS
A lecture and practical application covering basic design and construction. Students address and challenges in preparing and presenting live theatre productions in various venues. (Fall, even years)

THEA 350 COSTUME & MAKEUP DESIGN 3 HOURS
An opportunity for students to become familiar with various historical costume styles, the methods and materials for constructing them. Students participate in hands-on activities that include , and with theatrical makeup materials design and methods of application. (Fall, odd years)

THEA 361 ACTING II - ADVANCED ACTING 3 HOURS
A review of acting styles and periods beyond modern realism, including classic, romantic, and other genres. Curriculum includes a film acting component. Prerequisite: THEA 161. (Spring, even years)

THEA 365 DIRECTING THE PLAY 3 HOURS
An introduction to the basic principles for preparing, rehearsing, and presenting a dramatic production. (Spring, odd years)

THEA 401 THEATRE WORKSHOP 1-3 HOURS
An advanced workshop in which students complete significant assignments in theatre production, including acting, directing, stage management, and design. The number of credit hours is granted at the discretion of the instructor. Prerequisites: At least junior status and previous experience or course work in theatre production. (Fall, Spring)

THEA 404 MUSICAL THEATRE 3 HOURS
An exploration of the history of Musical Theatre through performance techniques. Students study acting, singing, and dancing styles specific to the American Musical Theatre, throughout the history of the genre. Movement and voice issues, as applied to performance, are addressed. Prerequisite: THEA 361 or permission of instructor (Spring, odd years)

THEA 494 DIRECTED STUDY 1-3 HOURS
An advanced study of a specialized field of playwrights, theatre history, or an area of technical production. Prerequisite: permission of Department Chair and by arrangement.

THEA 497 INTERNSHIP 3-12 HOURS
Gives the student an opportunity to apply classroom learning to an on-the-job work experience. Internship positions may be anywhere (geographically). The positions must be related to the student’s major or minor course of study. Internship credit is granted in a range of three to twelve credits per semester, and may be repeated up to a maximum of 24 hours. Application is made through Career Services. Prerequisites: the student should be of junior or senior standing, but should apply while a sophomore; cumulative grade point average of 2.50. S/U grading only. (Fall, Spring, Summer)

UNIVERSITY STUDIES

UNIV 110 STUDY SKILLS 1 HOUR
Teach/ refresh concepts that students can implement in their course work to improve academic success. Upon successful completion of the course, each student will have improved his/her ability to maximize success in college course work & reflection procedures through utilization & demonstration of time management, goal setting, and learning styles along assignment completion through BB content and email. Ability project level 1 or 2 problem solving.

UNIV 150 LEARNING TO LIVE, LIVING TO LEARN 1 HOUR
A freshman experience that begins during opening weekend and extends through 13 weeks of the fall semester. Topics include group service learning projects, team building, campus services, adjusting to college life, academic advising, and academic policies. (Fall)

UNIV 180 PRIOR LEARNING ASSESSMENT FOR CREDIT 1 HOUR
An opportunity for the adult learner to assemble knowledge from experiences such as work, leisure, and independent study into a portfolio for faculty evaluation of potential university academic credits. (Fall, Spring, Summer)

UNIV 250 LEARNING TO LIVE MENTOR 0-1 HOUR
An opportunity for upper level students to act as mentors in the Learning to Live, Living to Learn program. (Fall)
Graduate Catalog

Office of Graduate Studies

McFarland Hall 3rd Floor

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701.845.7197

Director of the Office of Graduate Studies:  James Boe, Ph.D.

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www.vcsu.edu/graduate/

Master of Education Areas of Concentration

Elementary Education
English Education
Library and Information Technologies
Teaching and Technology
Teaching English Language Learners
Technology Education
  • Option 1: Secondary STEM Education
  • Option 2: Elementary STEM Education
  • Option 3: Career and Technical Education

Graduate Certificates
  • Library and Information Technologies
  • Teaching English Language Learners
  • STEM
    - Elementary Focus
    - Secondary Focus

Graduate Faculty
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  Shou-Ching Chao, Ph.D.
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  Erin Kvingeborg, Ph.D.
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  Terry Corwin, Ph.D.
  Buffy Edwards, Ph.D.
  Lana Forhes, M.Ed.
  Konda Klifel-Wightman, M.L.S.
  Jackie Owen, M.Ed.
  Janet Welk, Ph.D.
GENERAL INFORMATION

The Degree Program

Valley City State University’s School of Education and Graduate Studies offers a Master of Education degree (M.Ed.) with six specific areas of concentration.

Accreditation

Valley City State University is fully accredited by the Higher Learning Commission of the North Central Association. This accreditation was extended in 2005 to include the Master of Education with concentrations in Teaching and Technology and Technology Education. In 2007 the HLC approved the concentration in Library and Information Technologies; in 2009 the Teaching English Language Learners concentration was approved; and in 2013 the Elementary Education concentration and the English Education concentration were approved. In 2009 the National Council for the Accreditation for Teacher Education (NCATE) granted its approval to the advanced preparation level. The next NCATE visit will take place in fall 2015.

Master of Education Degree

The Master of Education degree (M.Ed.) is designed for individuals who have experience in the field of education. Concentrations currently available include Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, Technology Education, Elementary Education, and English Education. The concentrations each require a core of four education courses and a varying number of required credits in each concentration. Options in Career and Technical Education, and Science, Technology, Engineering, and Mathematics (STEM) elementary and secondary education are also available within the Technology Education concentration.

Student Responsibility

It is the responsibility of each graduate student to understand the graduate policies and procedures and to maintain the standards for graduate study at Valley City State University.

Graduate Faculty

Membership to graduate faculty status recognizes the faculty members’ teaching and research qualifications which enable them to conduct graduate level instruction and supervise graduate student research and scholarship. The graduate faculty is expected to contribute to the advancement of knowledge, the practice of teaching, and service to the institution and discipline. Graduate faculty have an appropriate terminal degree (or equivalent), successful teaching experience, and continuing evidence of scholarly achievement and professional activity in their discipline.

Graduate Council

The Graduate Council derives its powers from the Constitution of the Valley City State University Faculty Association. All matters impacting graduate education will be conducted in accordance with the policies of the Faculty Association Constitution and Graduate Council. Graduate Council is the graduate unit policy making and curriculum body. The Director of the Office of Graduate Studies and Research is the Chair.

Continuing Education Courses

Graduate-level professional development courses are delivered primarily to teachers for the purpose of continued licensure. VCSU offers a variety of courses and workshops that fulfill the academic needs and interests of teachers. Courses are offered in several formats, including face-to-face, online, workshops, and combined formats. These credits are not eligible to be applied to a degree program. Individuals who have not completed an undergraduate degree may not take courses dual-listed between graduate and undergraduate levels for graduate credit. Visit www.vcsu.edu/extend for more information.

ADMISSION

Admission to VCSU Graduate Studies

Admission to Graduate Studies at Valley City State University requires a baccalaureate degree from a regionally accredited institution with a minimum 3.0 grade point average on a 4.0 scale. Official transcripts must be sent directly from the college or university that issued the credit or the baccalaureate degree to the Office of Graduate Studies and Research.

Program Admission Procedures

Applicants must submit to the VCSU Office of Graduate Studies and Research an Application for Admission, official transcripts, letters of recommendation, a resume, and a written statement of professional goals. The application, letters of recommendation, resume, and written statement can be completed online through the VCSU website. It is the applicant’s responsibility to ensure that all admission documents are received in the Office of Graduate Studies by specified deadlines. All credentials submitted by or on behalf of an applicant become the property of VCSU. Once an application has been submitted, applicants should notify the Office of Graduate Studies and Research of any change in plans regarding enrollment at VCSU. Application materials must be received at least 30 days before classes begin for the fall, spring and summer terms.

A complete application includes:

- The online application form
- Official transcripts from each college or university attended
- Three letters of recommendation
- Resume
- A written statement of professional goals in light of the applicants’ philosophy including a description of their preparation in the field of education
- A non-refundable application fee of $35.

International Students

In addition to all other required admission materials, the following must be completed:

- Official academic transcript certifying a four-year baccalaureate degree from an accredited college or university.
- All foreign credentials must be officially translated into English.
- All academic credentials must be either original records or certified copies of original records. Non-certified photocopies are not acceptable.

A complete application includes:

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- Official transcripts from each college or university attended
- Three letters of recommendation
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- All foreign credentials must be officially translated into English.
- All academic credentials must be either original records or certified copies of original records. Non-certified photocopies are not acceptable.
• Official Test Scores from TOEFL (Test of English as a Foreign Language). The minimum required TOEFL score on the paper-based test (PBT) is 525, 71 for the internet-based test (iBT) or 5.5 for the International English Language Testing System (IELTS). Scores must be sent directly from the testing center to Valley City State University. Go to www.ets.org for information on the TOEFL.

TYPES OF ADMISSION

Full Admission

Regular admission is granted when the applicant:
• Holds a bachelor’s or an advanced degree from an accredited institution.
• Has no deficiencies in the chosen area of study.
• Meets all program admission requirements.

Certificate Admission

Two classes of graduate certificates are distinguished:

1. A certificate awarded with a master’s degree indicating that a specific program of coursework has been followed within the regular program coursework. A certificate awarded with a Master’s Degree requires no additional admission procedures. Admission to the graduate program admits the student to the certificate. Certificates of this type must be applied for prior to, or at the time of degree completion.

2. A certificate awarded for completing a specified program of post-baccalaureate courses, not constituting a regular graduate degree program, and awarded independently of a regular graduate degree. Applicants for this certificate must have a bachelor degree from a regionally accredited institution and have an overall undergraduate GPA of at least 3.0 on a 4.0 scale. Applicants whose last degree completed is a graduate degree may be admitted in full standing if the final GPA of that degree is at least 3.0 or equivalent. If applicants have taken any graduate courses, the graduate GPA must be at least 3.0.

Admission into the Graduate Certificate program does not guarantee admission into a graduate degree program nor imply the waiver of any requirements for admission in to a graduate degree program. Certificate students may only take courses restricted to the certificate program.
• Complete online application.
• Submit $35 nonrefundable application fee.
• Submit official transcript stating degree.

Program Provisional Admission

Students may be admitted with provisional status when not all requirements for admission are met, or their GPA is below 3.0, but other materials show potential. Applicants with a GPA below 3.0 must submit scores from at least one examination such as the Graduate Record Examination (GRE), the Miller Analogies Test (MAT), the Praxis II–Principles of Learning and Teaching, or National Teaching Board for Professional Standards. Scores will be used to assess students’ previous educational achievement levels and to evaluate their potential for meeting the demands of coursework at the graduate level.
• The concentration faculty may make a recommendation to the administrator of the Office of Graduate Studies and Research for Provisional Admission. Accompanying the recommendation will be specific standards of performance that must be satisfied for a change to full graduate status. Students admitted under Provisional status may not earn more than nine (9) semester hours of graduate credit in this status.
• Students admitted with full admission will be given academic probation and assigned provisional status if their cumulative grade point average drops below 3.0 after completing nine (9) semester hours in the program.

Canadians complete the above listed Program Admission Procedure.

Provisional Admission

Provisional admission may be granted
• By recommendation of the administrator of the Office of Graduate Studies and Research and the concentration representative.
• If the student has program deficiencies, Graduate courses may be taken to fulfill the deficiencies, but will not apply to the degree.
• When an official undergraduate or graduate transcript has not been received but completion of a bachelor’s degree has been confirmed.
• When the applicants’ undergraduate GPA is below 3.0 a test is required.

Non-Degree Admission

Individuals who desire to pursue study beyond the baccalaureate degree for professional growth and improvement of skills but not to work toward an advanced degree objective may be admitted as non-degree graduate students under certain conditions. The applicant must:
• Complete an application form.
• Hold a bachelor’s degree from a regionally accredited institution.
• Submit a non-refundable application fee of $35.
• Submit a copy of a transcript stating degree.
• Have the prerequisite courses or background/experience necessary for the course or courses in which they desire to enroll. This may require consultation and approval from course instructors.
• Be approved by an administrator of the Office of Graduate Studies and Research.

Students enrolled with Non-Degree status may subsequently be considered for admission to Graduate Studies and Research to pursue an advanced degree. Such a change in status may be accomplished for a subsequent term submitting a new application to The Office of Graduate Studies and Research as a degree-seeking student and completion of all other requirements. No more than nine (9) credits earned in the non-degree status may be used to fulfill graduate degree
requirements if approved by graduate faculty from a program concentration, the concentration representative, and the administrator of the Office of Graduate Studies and Research.

**Appeal of Admission Denial**

Applicants to a graduate academic program may appeal decisions on their admission status by petition. The petition is available from the Office of Graduate Studies and Research website (www.vcsu.edu/graduate) under Resources and Forms.

The petitions must be submitted to the administrator of the Office of Graduate Studies and Research who will process the petition with the Graduate Council and notify the applicant of the result in a timely manner.

**PROGRAM ADVISING**

The concentration representative with approval of the administrator of the Office of Graduate Studies and Research, will make an initial advisor assignment.

The advisor will:

- Guide the student in formulation of the Degree Plan.
- Approve research proposal.
- Provide guidance related to the credit transfer, IRB requirements, portfolio progress, and timely completion of the Degree Plan.
- Communicate with the student concerning his/her fulfillment of requirements for the degree.

All degree-seeking students should work closely with their program advisors to prepare a Degree Plan (plan of study).

**GRADUATE POLICIES & PROCEDURES**

Once admitted the student is expected to maintain a high level of academic achievement. The graduate degree is a defined program of courses, research, and practice offered by a department, school, or multiple units that focuses on a field of study. Any deviation from the courses, research, or practice must be appealed by petition. The petition is obtained from the Office of Graduate Studies and Research or the graduate website and submitted to the advisor and the administrator of the Office of Graduate Studies and Research who will process the petition.

**SCHOLASTIC STANDING**

A student shall be permitted to register for graduate study only after formal admission.

Definition of Full, Half and Part-time: A full-time student is defined as one enrolled in at least nine (9) graduate credit hours in Fall, Spring, or Summer terms. Part-time is considered anything less than stated previously. Half time is defined as five (5) graduate credit hours in Fall, Spring, or Summer terms.

**CREDITS**

Maximum Term (Semester) Load

The per semester credit hour limit for a graduate student is 12 semester hours per semester. (Fall, Spring, Summer) For an overload request please complete the Petition for the Appeal of a Graduate Policy.

**CONTINUOUS ENROLLMENT**

All enrolled students pursuing a Master’s degree will maintain continuous enrollment from matriculation until completion of all degree requirements. Continuous enrollment is defined as registration during each semester (fall, spring, and summer) of the academic year until the degree is attained or until status as a degree-seeking graduate student is terminated through an official University withdrawal.

With continuous enrollment, graduate students will have “active” status until the degree is conferred and have the option of continuous access to University services and resources – such as financial aid, advisor assistance, and information resources – throughout their graduate careers. Continuous enrollment credit does not count toward graduation requirements.

Minimum registration: Unless on approved Leave of Absence, a student must be enrolled in a minimum of one semester hour each semester until his/her degree is granted or the student’s status as a degree seeking student is terminated.

**LEAVE OF ABSENCE**

On-leave status is available to students who need to suspend their program of study. On-leave status is granted in cases where the student demonstrates good cause (e.g., illness, temporary departure from the University for employment, military service, family issues, financial need, or personal circumstances). A graduate student may request a maximum of three academic terms of leave including summer semester during the course of study for the degree. The time spent in approved on-leave status will be included in the seven-year time limit for completing requirements to the master’s degree.

A student with approved on-leave status is not required to pay tuition or fees or register for the one credit of continuous enrollment. On-leave status does not provide the student with University resources. Approval of the advisor, program administrator, and the administrator for the Office of Graduate Studies and Research are required.

A student who does not enroll in a minimum of one semester hour or apply for and receive on-leave status fails to maintain continuous enrollment. Failing to maintain continuous enrollment through minimum credit registration or the on-leave status will cause the student to relinquish his or her graduate standing in the University.

**PROGRAM REINSTATEMENT**

A student who wishes to have graduate standing reinstated will be required to file a Graduate Readmission form and pay any fees required. Acceptance to return to the graduate program is not guaranteed. The reinstatement procedures are dictated by the period of absence from enrollment.

Three Semesters or Less: The student completes the Graduate Readmission Form, and if approved, must pay any fees required before reinstatement.

More than Three Semesters: The student is considered a new applicant, and new supporting materials and fees are required. The applicable standards are those in effect when the student applies for readmission. Course work more than seven years old will not be counted toward a graduate degree.
CHANGE OF PROGRAM

A change of program is required when a student wishes to leave the current academic department/concentration to seek a degree in a different department/concentration. Questions regarding a Change of Program can be made by contacting the advisor or the Office of Graduate Studies and Research.

TRANSFER OF GRADUATE CREDITS

Applicants once admitted may petition for transfer of graduate credit earned at another regionally accredited institution. The course work must conform to the time limits and grade expectations for course work counted toward the degree at VCSU. The petition is available on the graduate website and is submitted to the advisor and administrator of the Office of Graduate Studies and Research who will process the petition. Credit counted toward the degree from VCSU through transfer from other regionally accredited institutions

- may not exceed nine (9) credits required for the degree.
- credits transferred from another regionally accredited institution must be a grade of “B” or higher.
- must be completed within a seven (7) year time limit. The time begins with the beginning of the semester when first course counted toward the degree is completed to the end of the semester when the last course counted toward the degree is completed.
- must have been earned from a U.S. or Canadian institution accredited to offer graduate courses and degrees. (Credits from international institutions can be transferred only if approved by a departmental committee.)
- must be graduate level.
- must not be continuing education, correspondence, extension, or workshop course or Pass/Fail Satisfactory/ Unsatisfactory.
- must not have been used to fulfill the requirements of a baccalaureate degree.

GRADE REQUIREMENTS

GPA Requirement

Graduate students must maintain an overall graduate GPA of 3.0. A student falling below this minimum after nine (9) semester hours will be placed on academic probation and assigned provisional status.

Passing Grade

The minimum passing grade for graduate credit is a “C”. No more than six (6) semester hours of “C” graded credit may be applied toward the degree. “D” graded graduate credit may not be applied toward the degree.

Program Requirement

The student must successfully complete a minimum of 32 graduate semester credits in an approved plan of study and maintain an overall graduate GPA of 3.0. A student falling below this minimum after nine (9) semester hours will be placed on academic probation and assigned provisional status.

Incomplete Grades

The grade of incomplete may be negotiated with an instructor when the student has failed to meet a specific and important requirement in the course but has in other respects done passing work for the semester. The grade of incomplete must be removed during the regular semester following the term in which it was reported. If the deficiency is not made up within the specified time, the incomplete will revert to the grade earned at the time the incomplete was negotiated.

Repeating a Course

Any course previously taken for which the grade received was below a “B” may be repeated once. All repeats will be recorded along with the initial attempt. The second grade becomes the grade of record and replaces the first in computing overall GPA. Only two (2) graduate courses, prerequisite and/or required, may be repeated to satisfy completion of the degree.

Academic Probation

Graduate students placed on academic probation and assigned Provisional status must raise their overall GPA to at least a 3.0 within the next nine (9) graduate credit hours taken; if not the student will be dismissed from the program/institution.

Notification of Degree Requirement Changes

It is VCSU’s responsibility to inform active and potential students of changes to the degree requirements. Students must be given sufficient notification so as to allow them to finish their program requirements. When this is not possible, substitutions must be provided.

Research Approval

To ensure adequate safeguards and to discharge the responsibility of the institution, no research including grant applications, development, or related activity involving human subjects may be undertaken unless the Institutional Review Board (IRB) has reviewed and approved such proposed activity. All human subject research connected with Graduate Studies must be approved by the IRB.

REGISTRATION

Office of the Registrar

800.532.8641 extension 37295
701.845.7295
www.vcsu.edu/registrar/

Registration

Students are expected to contact their advisors before registering. Registration for classes occurs online through ConnectND in the term prior to the semester those classes begin. The registration process is not complete until all fees are paid.

Adding or Dropping a Course

Course schedule changes may be processed in Campus Connection (online student self-service) through the tenth calendar day of the fall term and the eleventh calendar day of the spring term. After the tenth calendar day of the fall term or the eleventh calendar day of the spring term, course schedule changes must be processed by submitting a petition to appeal VCSU policy to the Graduate office.
Add: A student may add a semester-length course through the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to add. Specific add dates for the term and each session can be found at www.vcsu.edu/registrar/.

Drop with No Record: A student may drop a semester-length course and no record of the course will appear on the student's transcript if the drop is processed on or before the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to drop with no record. Specific drop with no record dates for the term and each session can be found at www.vcsu.edu/registrar/.

Drop with Record: A student may drop a semester-length course at any time during the first twelve weeks of the semester. A grade of "W" will be recorded on the student's transcript if the drop is processed on or before the tenth calendar day of class in a term (or between the first and tenth day of class in a summer session). This request will remain in effect for one year. The specified directory information will then be treated the same as educational records information. In responses to public inquiries, the university will verify only whether or not an individual is currently enrolled at the university.

No course schedule changes are permitted after the Drop/Add deadlines except in highly unusual circumstances. Such changes require the student to submit a petition to the Academic and Scholastic Standing Committee for a decision on whether or not the change will be permitted.

Petitions are available at www.vcsu.edu/graduate under the resources and forms page.

Withdrawal from the University
If for any reason a graduate student finds it necessary to withdraw from Valley City State University during the semester, an email should be sent to the Director of Student Academic Services. The last day to withdraw from the university is the last business day of the twelfth week of classes. The withdrawal form is available on the graduate website (www.vcsu.edu/graduate) under Resources and Forms.

Failure to follow the regular procedure may result in the student receiving failing grades in all courses for that semester. The final day to withdraw from a semester is the final day of the course. If the student is receiving financial aid he or she must visit with a Financial Aid counselor to develop a repayment plan. In case of an emergency withdrawal it is the responsibility of the student to notify a university official.

Family Education Rights and Privacy Act (FERPA)
As custodian of student records and in compliance with the Family Educational Rights and Privacy Act of 1974, the university assumes the trust and obligation to ensure full protection of student records which includes maintaining the confidentiality of educational records. The administrative procedures outlined in this section are to be complied with by university personnel who have or accumulate educational records which are in a personally identifiable form. The term “student” in this section means an eligible student under FERPA (a student at VCSU). Students may review a copy of FERPA and the regulations at the Office of the Registrar.

Student records maintained by the university fall into two general categories—directory information and educational records.

Directory Information
a. Directory information is information concerning a student which may be released publicly. It includes the following: the student’s name, address, e-mail address, telephone number, date and place of birth, major and minor field of study, class level, enrollment status, participation in officially recognized activities and sports, weight, height and photos of members of athletic teams, photographs, video and electronic images, dates of enrollment, degrees and honors/awards received, date degree earned and name(s) of previous educational institution(s) attended by the student.

b. Students may request that any or all of their directory information not be made public by completing a form in the Office of the Registrar between the first and tenth day of class in a term (or between the first and tenth day of class in a summer session). This request will remain in effect for one year. The specified directory information will then be treated the same as educational records information. In responses to public inquiries, the university will verify only whether or not an individual is currently enrolled at the university.

Educational Records
Educational records are those records, files, documents, and other materials which contain information directly related to a student’s academic progress, financial status, medical condition, etc. and are maintained by Valley City State University or a party acting on behalf of the university. Educational records include more than academic records. Educational records, with the exception of those designated as directory information, may not be released without the written consent of the student to any individual, agency, or organization other than specifically authorized personnel. A complete copy of the VCSU Student Record Policy can be found in the Graduate Student Handbook.

FERPA privileges cease upon the death of a student. A written and signed request from the decedent’s parent, guardian or spouse is required for release of this information. FERPA privileges end when an individual is no longer a student.

TUITION AND OTHER EXPENSES
Business Office
800.532.8641 extension 37232
701.845.7232
www.vcsu.edu/businessoffice/

TUITION AND OTHER FEES
Valley City State University charges tuition per credit hour. Mandatory fees, also, are charged per credit hour. For an estimate of charges, go to www.vcsu.edu/business office/ and click on “Net Price Calculator.”

All financial obligations with the university must be paid on or before the due date at the beginning of each semester unless alternative arrangements have been approved by the Business Office. A student who has not paid in full or set up an arrangement with the Business Office by the due date can be withdrawn for nonpayment at the current withdrawal rate. VCSU enrolled students may view their account balance and activity by accessing the VCSU website and clicking on the Campus Connection link, enter their user ID and password. Since Valley
City State University is a state-supported institution governed by the State of North Dakota, tuition and fees are subject to change by the Board of Higher Education or by the State Legislature at any time.

The University employs financial aid crediting as a means of delivering student financial aid. Under this process, financial aid awards to a student are applied as credits to the student’s account with the University, rather than being processed as payments to the student. After aid is credited any balance owed by the student must be paid according to the general guidelines presented above. If financial aid credited exceeds the amount owed by the student, a refund will be issued to the student.

**Refund Policy**

Tuition refunds will be made according to the refund schedule to students who officially withdraw from the University. Requests for official withdrawal are made through the Office of Student Academic Services. Students receiving financial aid must also contact the Director of Financial Aid to determine aid “earned” for the time enrolled. The refund is defined as the difference between the amount paid towards institutional charges (including financial aid and/or cash paid) and the amount the school can retain under the appropriate refund policy.

Refunds will be calculated on a percentage basis up to the 60% point in the semester. Please view the refund schedule and policy online at www.vcsu.edu/businessoffice/vp.htm?p=1036. This Refund Schedule is subject to change at any time.

**FINANCIAL AID**

**Student Financial Aid**

800.532.8641, extension 37412  
701.845-7412  
www.vcsu.edu/financialaid/

Education is the foundation upon which this country continues to build. Valley City State University serves as a vital link in this process by complying with federal regulations to enable graduate students to receive consideration for aid in achieving their goal. Applicants are eligible for consideration in regard to the Federal Stafford loan.

**Application Period and Deadline**

The application period begins January 1 of each year for the following academic year. In order to have all paperwork completed on time, it is recommended that applicants start the application process at least three months before a semester starts. In order to apply for aid, applicants should first have a PIN # (which serves as an electronic signature) and can be applied for at: www.pin.ed.gov. Once the PIN is obtained, one can apply for aid online at www.fafsa.ed.gov.

**Eligibility**

In order to receive aid, students must meet Satisfactory Progress requirements published on the VCSU Financial Aid website.

**Types of Financial Aid**

**Federal Unsubsidized Stafford Loan**

Valley City State University students may be eligible to borrow funds through this federal program to help cover the expected family contribution or help meet unmet need. Interest does accrue while enrolled. No loan can exceed the estimated budget for enrollment.

**Federal Teach Grant**

This Grant was established to prepare teachers for the “high teacher shortage” areas. The program has stiff eligibility requirements and eligible students must complete “An Agreement to Serve” each year the grant is awarded.

Check the following link for a “Fact Sheet” with the information/details regarding eligibility: studentaid.ed.gov/PORTALSWebApp/students/english/TEACH.jsp.

**ALLEN MEMORIAL LIBRARY**

701.845.7277  
800.532.8641, extension 37277  
FAX: 701.845.7284  
Email: library@vcsu.edu  
library.vcsu.edu

The university’s library is located at the heart of the VCSU campus, between McFarland Hall and the Student Center. While many of the library resources are online and accessible 24 hours a day, print and media items, access to printers and other equipment, and reference assistance is available six days a week, when the library building is open. The building - like many others on campus - provides building-wide wireless access to the Internet, a student lounge and meeting areas, a classroom on second floor, and several listening areas with a variety of multimedia equipment. Building hours during the academic year are 7:45 am to 11:00 pm, M-Th. 7:45 am to 4:00 pm, Friday and from 5:00 to 11:00 pm, Sunday. Summer and holiday hours may vary. Please phone.

To support the overall mission of Valley City State University, Allen Memorial Library personnel provide access to resources through expedited cataloging and technical processing procedures, information literacy instruction at point of need and informal educational settings, an efficient interlibrary loan system, and a customized request-for-purchase system that fills over 90% of suggestions for purchase. Professional reference services are available in person Monday through Friday from 9:00 a.m. to 3:00 p.m., and some weekday evenings from 7:00 to 11:00 p.m., and via email, online chat and phone.

The Library’s website at library.vcsu.edu provides customized access points for both distance and on-campus students in the form of a variety of resources including links to the state-wide OPAC via the Aleph interface, both state and federal government documents, online eBooks, eReserves, electronic journals, and many other resources. On-campus access to all resources is IP authenticated, while members of the VCSU community from a distance can access the subscription resources through a simple remote authentication process using the Blackboard portal information.

The lower level of Allen Memorial Library houses the Curriculum Library which supports the University’s undergraduate and graduate library education programs as well as the Teacher Education program. It provides a representative collection of pre-school through high school instructional resources including textbooks and instructional multimedia, along with children’s fiction and nonfiction books. In addition, the library cooperates with the Valley City Area Teacher Center and the South East Education Cooperative (SEEC).
Special collections include:
- The North Dakota and North Dakota Documents Collection
- The Larry Woiwode Manuscript Collection
- The James D. Ployhar Score Collection
- VCSU Archives

**VCSU BOOKSTORE**
800.532.8641 extension 37141
701.845.7141
bookstore.vcsu.edu/

The Bookstore, housed in the Student Center, is able to meet all textbook needs. Textbooks can be shipped directly to the student. Visit the website or call 800-532-8641, extension 37141, to order. Be prepared to provide course, shipping, and payment information.

In addition to textbooks, the Bookstore carries a variety of trade books, office supplies, giftware, and apparel. Questions or comments may be directed to bookstore@vcsu.edu.

**TECHNOLOGY SERVICES**
technology.services@vcsu.edu
800.532.8641 extension 37340
701.845.7330
technology.services.vcsu.edu/

**Technology Service Desk Technical Support**
The VCSU Technology Service Desk located in VCSU Rhoades Science Center 117 provides technical support for computers, computer networking, telephone, and interactive video services. The VCSU Help Desk is available for phone and walk-in support approximately 12 hours per day, Monday–Thursday and 8 hours on Friday. A North Dakota University System Help Desk provides additional phone support 24 hours per day, 7 days per week.

**Personal Web Portal**
All registered students have access to a personalized web-based portal. The portal organizes web-based services and provides a single point of access to email, a personal calendar, custom technical support documents, VCSU news and information, personal web site and file storage space, software downloads, and class information. Students have access to these services anytime, anywhere, on any computer with a modern web browser and network connectivity.

**Online Learning Management System**
All VCSU classes use an LMS (Learning Management System) to enhance student learning. The LMS includes tools for course handouts, announcements, group and private discussions, test administration, internet links, and delivery of course content. The typical classroom course uses one or more of the tools, while totally online classes use all or most of the available tools. An internet link to each online course a student is registered for automatically appears within the student’s personal web portal.

**IP Telephony and Unified Messaging**
All VCSU employees and students have an IP (internet protocol) telephone extension and a Microsoft Exchange account. A special Cisco Systems “software phone” is available at no extra charge for all registered students. The software phone turns an ordinary computer into a sophisticated video phone that can be used to contact other users. Cisco System “Presence Detection” allows a user to see when another user can be contacted and the communication means available, e.g., voice call, video conference, chat, or voicemail. Calls and messages between users can be placed anywhere in the world without incurring long distance fees. Voice mail messages appear in the user Microsoft Exchange account along with email messages.

**Web Conferencing**
Faculty and students use a web conferencing system to allow guest speakers and students located at distant locations to participate in a live session. The system is occasionally used for general student advising and communication purposes. Users can collaborate via chat, voice, video, information appearing on the computer screen, and an electronic whiteboard.

**Class Recordings**
Some classes use a recording system to capture voice, computer, and video information. The system is used by faculty to create reusable multimedia resources and store them in the online learning management system.

**Software Licensing and the VCSU Private Cloud**
VCSU obtains institutional site licenses for a variety of professional software. Some software, such as Microsoft Office Professional is available to all registered students. Other software is distributed to users based on the unique needs of a specific course. The software is typically accessed in one of two ways: 1) The software is professionally installed on University owned laptop computers, or 2) The VCSU cloud option allows student computers, iPads and other handheld computing devices to run sophisticated University provided software, because the computation is done on powerful servers located in a data center. With the VCSU cloud option, students do not need to download the software and all that is needed is a modern web browser and a broadband internet connection.

**Internet Access to Electronic Library Subscriptions**
Web based servers provide registered students with convenient access to nearly all of the subscription based, electronic journals of the VCSU Library. This service extends valuable library resources to online students and to students studying off campus.

**Campus Connection for Administrative Computing**
Campus Connection is a North Dakota University System administrative computing service that provides all students with internet access to class registration, class schedules, grades, fee statements, and financial aid award statements.

**Notebook Computers**
Depending on the amount of technology fee paid as part of normal course registration, some graduate students qualify to receive a notebook computer on a full time basis at no extra charge. If they do not qualify under the no-additional-fee provision, graduate students may elect to pay an additional fee in order to have a computer issued to them on a full-time basis. The rules and process for full time computer access is available at the VCSU Technology Service Desk or online at www.vcsu.edu/documents/policymanual/vp.htm?p=259.
Technology Requirements for Online Coursework
See the Distance Learning website for specific PC and Mac requirements at distancelearning.vcsu.edu/vp.htm?p=1288.

GRADUATION REQUIREMENTS

Completing Credits
Students must successfully complete a minimum of 32 graduate semester credits with course grades received of A, B, C, S in an approved plan of study to be eligible for graduation.

Transfer Credits
Students may not transfer more than nine (9) credit hours required for the degree.

Degree Requirements
Students must successfully complete course requirements, a research report, a final comprehensive portfolio, and any other program concentration requirements.

Grade Point
Students must attain a minimum overall graduate grade point average of 3.0 with no more than two (2) course repeats. No course may be repeated more than once.

Application for Graduation
Application for graduation must be made to the Office of Graduate Studies and Research. Students must apply for graduation according to the dates established by VCSU. See Catalog calendar.

Time Limit
The time elapsed from the beginning of the first course applied toward degree requirements to the degree awarded date will not exceed seven (7) years.

DUE PROCESS

Waiver of Admission Status
Applicants to a graduate academic program may appeal decisions on their admission status by petition. The petition will be obtained on the graduate website and submitted to the administrator of the Office of Graduate Studies and Research. The applicant should consult with the administrator of the Office of Graduate Studies and Research who will process the petition with the Graduate Council and notify the applicant of the result in a timely manner.

Waiver of Regulations
A graduate student may appeal a graduate policy by petition. The petition will be obtained from the graduate website and be submitted through the advisor and to the administrator of the Office of Graduate Studies and Research. The graduate student should consult with the administrator of the Office of Graduate Studies.
Master of Education Program
Concentration in Elementary Education

Valley City State University has designed this concentration for teachers at the elementary level wishing to pursue a master’s degree. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology.

Curriculum in this concentration is designed for K-6 educators who seek to deepen their understanding of teaching and learning. The program of study anchors coursework in learning theory, effective use of technology, and the principles of assessment, as well as providing elective coursework to support the student’s unique professional goals. The coursework may also apply in situations where states require an advanced degree with a focus on Elementary Education.

Core Values/Learning Outcomes
1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program’s Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Concentration Requirements
The Master of Education in Elementary Education requires 35 hours of coursework, an action research report, and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All M.Ed. students are required to complete 12 hours of core courses and three hours of Special Program Courses.

Core Required Courses 12 Hours
EDUC 610 Research in Education 3
EDUC 625 Issues in School, Community, and Family 3
EDUC 640 Supervision and Assessment of Teachers and Learners 3
EDUC 657 Exceptionality, Diversity, and Differences 3

Required Courses 14 Hours
EDUC 631 Principles for Teaching & Learning in Elementary 3
EDUC 650 Field Design and Implementation 3
EDUC 667 Literacy as Communication in Elementary 3
EDUC 675 Teaching with 21st Century Tools 2
EDUC 685 Action Research in Education 3

Elective Courses 6 Hours
EDUC 642 Supervision of Student Teachers 3
EDUC 664 Literature & Literacy for Children and Young Adults 3
STEM ED 655 STEM Curriculum and Methods, Elementary 3
STEM ED 670 Design, Tech, and Engineer for Elem 3

Special Program Requirements 3 Hours
EDUC 689 Research Applications 1
EDUC 698 Capstone 2

Total Core 12 Hrs
Total Required 14 Hrs
Total Electives 6 Hrs
Total Special Program Requirements 3 Hrs
Total Credits Needed to Graduate 35 Hrs

Concentration Contact:
Heather Kvilvang, Ph.D.
Mcfarland 327D
(701) 845-7199
heather.kvilvang@vcsu.edu
Master of Education Program
Concentration in English Education

Valley City State University has designed this concentration for teachers of English wishing to pursue a master’s degree. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology.

Curriculum in this concentration is designed to help secondary school educators become more effective users of technology in the English classroom and enhance the learning experience for their students. The coursework can also apply in situations where states require an advanced degree with a focus on a specific content area.

**Core Values/Learning Outcomes**

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program’s Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

**Concentration Requirements**

The Master of English Education in Elementary requires 35 hours of coursework, an action research report, and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All M.Ed. students are required to complete 12 hours of core courses and three hours of Special Program Courses.

**Core Required Courses**

- EDUC 610 Research in Education 3
- EDUC 625 Issues in School, Community, and Family 3
- EDUC 640 Supervision and Assessment of Teachers and Learners 3
- EDUC 657 Exceptionality, Diversity, and Differences 3

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 650 Field Design and Implementation</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 675 Teaching with 21st Century Tools</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 685 Action Research in Education</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 650 Studies in Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 653 Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 664 Literature &amp; Literacy for Children and Young Adults</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 676 Research in Teaching Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Special Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 689 Research Applications</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 698 Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Core** 12 Hrs
**Total Required** 20 Hrs
**Total Special Program Requirements** 3 Hrs
**Total Credits Needed to Graduate** 35 Hrs

**Concentration Contact:**
Julee Russell, Ph.D.
McFarland 315
(701) 845-7440
julee.russell@vcsu.edu
Valley City State University (VCSU) has designed this concentration for teachers at either primary or secondary levels wishing to pursue a master’s degree. The VCSU master’s degree with the LIT Concentration is accredited by NCATE and has been reviewed by the American Library Association’s AASL program reviewers using the ALA/AASL Standards for Initial Preparation of School Librarians. The program is recognized by the AASL as an appropriate first professional degree for school librarians, and is listed among other nationally recognized programs at the AASL website. The curriculum meets North Dakota Department of Public Instruction standards for the preparation of library media specialists at the highest credential level—LM01.

Core Values/Learning Outcomes
1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program’s Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Concentration Requirements
The Master of Education in Library and Information Technologies requires 37 hours of coursework, an action research report, 120 hours of customized field experience, and oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All students are required to complete 12 hours of core courses:

- EDUC 610 Research in Education 3
- EDUC 625 Issues in School, Community, and Family 3
- EDUC 640 Supervision and Assessment of Teachers and Learners 3
- EDUC 657 Exceptionality, Diversity, and Differences 3

These courses are designed to support the student in completing graduation requirements culminating in the program’s core values as outcomes.

Special Program Requirements
- LMIS 680 Using Information Resources 3
- LMIS 687 Administering and Evaluating Program Resources 3
- LMIS 688 Collaboration, Management and Leadership 3

Note: Students interested in North Dakota Library Media Specialist Certification (or another state’s reciprocity certification) may also need to complete an “Introduction to Libraries” course. The university offers two non-program options designed to meet the state requirement: LMIS 250 An Introduction to Libraries and LMIS 700 Introduction to Libraries in the Information Age.

Concentration Contact:
Donna James, M.L.S.
Allen Memorial Library
(701) 845-7275
donna.james@vcsu.edu
Capitalizing on the university's excellent reputation and historic role in teacher preparation, this concentration serves teachers who seek the ELL endorsement at the graduate level. The program meets the requirements of the North Dakota Education Standards and Practices Board (ESPB), offers a viable online graduate program option to teachers outside the state seeking to improve their credentials, and enhances the educational opportunities for teachers in reservation school districts and tribal colleges in the region by providing graduate-level ELL content embedded in a master's degree.

**Core Values/Learning Outcomes**
1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

**Concentration Requirements**

The Master of Education in English Language Learners requires 34 hours of coursework, an action research report, and the oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology. All M.Ed. students are required to complete 12 hours of core courses.

**Core Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 610</td>
<td>Research in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 625</td>
<td>Issues in School, Community, and Family</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 640</td>
<td>Supervision and Assessment of Teachers and Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 657</td>
<td>Exceptionality, Diversity, and Differences</td>
<td>3</td>
</tr>
</tbody>
</table>

These courses are designed to support the student in completing graduation requirements culminating in the program's core values as outcomes.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 660</td>
<td>Authentic Assessment Strategies and Evaluation of ELLs</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 663</td>
<td>Methods of Teaching English and Academic Content to ELLs</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 670</td>
<td>Second Language Acquisition Theory and Practice</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 673</td>
<td>Foundations of Bilingual Education and Bilingualism</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 685</td>
<td>Action Research</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 693</td>
<td>ELL Practicum</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 653</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 673</td>
<td>Linguistics for ELL Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>

**Special Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 689</td>
<td>Research Application</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 698</td>
<td>Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Core: 12 Hrs
Total Required: 19 Hrs
Total Special Program Requirements: 3 Hrs
Total Credits Needed to Graduate: 34 Hrs
Master of Education Program
Concentration in Teaching & Technology (T&T)

VCSU has designed this concentration for teachers at either primary or secondary levels wishing to pursue a master’s degree. It is a unique program, not only in the state, but also in the country. Curriculum focuses on the use of technologies to enrich teaching and learning and provides content specific course work in some subject areas. Curriculum in this concentration is set up to provide students with an understanding of the National Educational Technology Standards (NETS) as defined by the International Society for Technology in Education (ISTE).

Core Values/Learning Outcomes
1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program’s Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Concentration Requirements
The Master of Education in Teaching and Technology requires 32-35 hours of coursework, an action research report, and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All M. Ed. students are required to complete 12 hours of core courses and three hours of Special Program courses.

Core Required Courses
EDUC 610 Research in Education 3
EDUC 625 Issues in School, Community, and Family 3
EDUC 640 Supervision and Assessment of Teachers and Learners 3
EDUC 657 Exceptionality, Diversity, and Differences 3

These courses are designed to support the student in completing graduation requirements culminating in the program’s core values as outcomes.

Teaching and Learning
Required Courses
EDUC 635 Technology for Learning 3
EDUC 650 Field Design and Implementation 3
EDUC 675 Teaching with 21st Century Tools 2
EDUC 685 Action Research in Education 3

Electives
EDUC 642 Supervision of Student Teachers 3
EDUC 665 Learning Theory & Instructional Design 3
STEM ED 660 Design for Engineering 3
STEM ED 665 Invention and Innovation 3
STEM ED 670 Design, Technology & Engineering for Elementary 3

Special Program Requirements
EDUC 689 Research Application 1
EDUC 698 Capstone 2

Total Core 12 Hrs
Total Required 11 Hrs
Total Electives 6 Hrs
Total Special Program Requirements 3 Hrs
Total Credits Needed to Graduate 32 Hrs

Concentration Contact:
Patricia Gegelman, Ed.D.
McFarland 327C
(701) 845-7195
patricia.gegelman@vcsu.edu
Master of Education Program  
Concentration in Technology Education (Tech Ed)

Valley City State University (VCSU) has designed this concentration for primary and secondary level educators wishing to pursue a master’s degree in Technology Education or Career and Technical Education. Curriculum in the courses is set up to be consistent with the Standards for Technological Literacy defined by the International Technology Education Association (ITEA) as well as the North Dakota Department of Career and Technical Education.

Core Values/Learning Outcomes
1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program’s Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Concentration Requirements
The Master of Education in Technology Education requires 36 hours of coursework, an action research report and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology. All M. Ed students are required to complete 12 hours of core courses and three hours of Special Program Courses.

Core Required Courses  
12 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 610 Research in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 625 Issues in School, Community, and Family</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 640 Supervision and Assessment of Teachers &amp; Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 657 Exceptionality, Diversity, &amp; Differences</td>
<td>3</td>
</tr>
</tbody>
</table>

These courses are designed to support the student in completing graduation requirements culminating in the program’s core values as outcomes.

Special Program Requirements  
3 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 689 Research Applications</td>
<td>1</td>
</tr>
<tr>
<td>TECH 698 Capstone</td>
<td>2</td>
</tr>
</tbody>
</table>

Students must select one of the options to complete the concentration in Technology Education.

Option 1: Secondary STEM Education  
Required Courses  
18 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 650 Standards-Based Curr &amp; Methods</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 660 Design for Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 665 Invention and Innovation</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 670 Design, Tech &amp; Engineer for Elem</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 680 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 682 Engineering the Future</td>
<td>3</td>
</tr>
<tr>
<td>TECH 675 Research and Assess in Tech Ed</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses  
3 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 688 Safety &amp; Manage in the Tech Lab</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 635 Technology for Learning</td>
<td>3</td>
</tr>
</tbody>
</table>

Option 2: Elementary STEM Education  
Required Courses  
15 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>STEM ED 655 STEM Curr &amp; Methods, Elem</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 670 Design, Tech, &amp; Engineer for Elem</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 671 Inquiry Based Thematic Instruc</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 680 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>TECH 675 Research &amp; Assess in Tech Ed</td>
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</table>

Elective Courses  
6 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>STEM ED 665 Invention and Innovation</td>
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</tr>
<tr>
<td>TECH 688 Safety &amp; Manage in the Tech Lab</td>
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<tr>
<td>EDUC 635 Tech for Learning</td>
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Option 3: Career and Technical Education  
Required Courses  
15 Hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>TECH 651 Curriculum Development in Career &amp; Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>TECH 652 Instructional Strategies in Career &amp; Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>TECH 653 Trends &amp; Issues in Career &amp; Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>TECH 654 Administration &amp; Management in Career and Technical Education</td>
<td>3</td>
</tr>
<tr>
<td>TECH 675 Research &amp; Assess in Tech Ed</td>
<td>3</td>
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</table>

Elective Courses  
6 hours
<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 680 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 682 Engineering the Future</td>
<td>3</td>
</tr>
<tr>
<td>TECH 688 Safety &amp; Management in the Tech Lab</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 635 Technology for Learning</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 660 Design for Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 665 Invention and Innovation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Core  
12 Hrs
Total Required  
15-18 Hrs
Total Electives  
3-6 Hrs
Total Special Program Requirements  
3 Hrs
Total Credits Needed to Graduate  
36 Hrs

Concentration Contact:  
Peder Gjovik, Ph.D.  
McCarthy Hall 156  
(701) 845-7448  
peder.gjovik@vcsu.edu
Graduate Certificate

Students interested in North Dakota Library Media Specialist certification (or another states reciprocity certification) may also need to complete an “Introduction to Libraries” course. The university offers two non-program options designed to meet the state requirement: LMIS 250 and Introduction to Libraries and LMIS 700 Introduction to the Information Age.

Graduate Certificate

This certificate allows the university to serve the needs of in-service teachers who seek a STEM Education credential. This online certificate is available to teachers both in and outside North Dakota. Through the teachers enrolled in the certificate, STEM education will reach students at the primary and secondary levels and prepare them for the world as it has become. VCSU’s STEM certificate will enhance the curricular understandings of in-service teachers who may already have a master’s degree or may decide later to expand the certificate into a Master’s degree.

Graduate Certificate

This Graduate Certificate in Teaching ELL provides in-service teachers with the cultural and linguistic pedagogy needed to address the ELL needs of North Dakota teachers and will also meet other state requirements. This certificate provides a path for in-service teachers who already possess baccalaureate teaching credentials and may have M.Ed.s with the necessary coursework to be credentialed as an ELL instructor. The program also helps meet the increasing demand for graduate credentials for career and salary advancement. A certificate program meets the needs of those seeking professional development, endorsement, or licensure.

Library & Information Technologies (LIT)

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMIS 660</td>
<td>Applied Research in Current School Library Issues</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 664</td>
<td>Literature &amp; Literacy for Children and Young Adults</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 670</td>
<td>Integrating Information Literacy &amp; Research Standards</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 676</td>
<td>Contemporary Cataloging for the School Library</td>
<td>2</td>
</tr>
<tr>
<td>LMIS 677</td>
<td>Collection Development for the 21st Century</td>
<td></td>
</tr>
<tr>
<td></td>
<td>School Library</td>
<td>2</td>
</tr>
<tr>
<td>LMIS 680</td>
<td>Using Information Resource</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 687</td>
<td>Administering &amp; Evaluating Program Resources</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 688</td>
<td>Collaboration, Management &amp; Leadership</td>
<td>3</td>
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22 Hours

**STEM Education Elementary Focus**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 655</td>
<td>STEM Curriculum and Methods Elementary</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 670</td>
<td>Design, Technology, &amp; Engineering for Elementary</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 671</td>
<td>Inquiry Based Themstic Instruction</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 680</td>
<td>Building Math</td>
<td>3</td>
</tr>
<tr>
<td>OR STEM ED 665</td>
<td>Invention and Innovation</td>
<td>3</td>
</tr>
</tbody>
</table>

12 Hours

**STEM Education Secondary Focus**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 650</td>
<td>Standards-Based Curriculum and Methods</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 660</td>
<td>Design for Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 665</td>
<td>Invention and Innovation</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 680</td>
<td>Building Math</td>
<td>3</td>
</tr>
<tr>
<td>OR STEM ED 682</td>
<td>Engineering the Future</td>
<td>3</td>
</tr>
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</table>

12 Hours

**Teaching English Language Learners**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUC 660</td>
<td>Assessment Strategies for ELLs</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 663</td>
<td>Methods of Teaching ELLS</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 670</td>
<td>Second Language Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 673</td>
<td>Foundations of Bilingual Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 693</td>
<td>ELL Teaching Practicum</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 653</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 673</td>
<td>Linguistics for ELL Teachers</td>
<td>3</td>
</tr>
</tbody>
</table>

16 Hours

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Graduate Course Descriptions

EDUCATION

EDUC 610 RESEARCH IN EDUCATION 3 HOURS
An overview of research techniques and methodologies. This course covers measurement concepts and statistical analysis in educational research, current theory, and practice of qualitative and quantitative research design, and research-based applications to improve student learning. (Fall, Summer)

EDUC 625 ISSUES IN SCHOOL, COMMUNITY, & FAMILY 3 HOURS
An exploration of the shaping of education in America by law and the legal system. This course covers the current legal and educational issues of equal educational opportunities, treatment of students with disabilities, English Language Learners, school effectiveness and reform, school finance, and philosophy. Focuses on administrative leadership and technologies that develop, maintain, and enhance effective approaches in working with schools, faculty and staff, students, parents, and community members from diverse backgrounds. (Fall, Spring, Summer)

EDUC 631 PRINCIPLES OF TEACHING AND LEARNING IN ELEMENTARY 3 HOURS
An examination of several models of instruction for building effective teaching practice in the elementary classroom to meet diverse learning needs. This course covers the psychological aspects of teaching in the elementary classroom and how effective teaching assists the learning process. It explores multiple intelligences, learning styles, and cooperative learning integrated with technology. (Summer)

EDUC 635 TECHNOLOGY FOR LEARNING 3 HOURS
An overview of the knowledge and skills necessary for effective use of current instructional technologies in order to enhance learning and contribute to positive school change that supports a learner-centered environment. The course focus is on applying theory, research, and practice to instruction planning and curricular improvement within the context of the learning community, as well as examining related social, equity, ethical, and legal issues. (Spring)

EDUC 640 SUPERVISION AND ASSESSMENT OF TEACHERS AND LEARNERS 3 HOURS
An examination of the multiple means of assessing and evaluating diverse student learning including technology, theory, and practice. The course explores types of assessments that motivate students to learn, as well as approaches to planning, managing, delivering, and assessing instruction that draws on social, cultural, and historical foundations and prepares educators for leadership roles in schools. (Spring, Summer)

EDUC 642 SUPERVISION OF STUDENT TEACHERS 3 HOURS
A guide for K-12 classroom teachers to successfully mentor teacher candidates with an emphasis on applying co-teaching strategies. The course emphasizes state administrative rules and university expectations, as well as the role of the university supervisor, cooperating teacher, and teacher candidate. The course provides experiences designed to help teacher candidates become effective elementary and secondary school teachers. (Summer)

EDUC 650 FIELD DESIGN & IMPLEMENTATION 3 HOURS
An exploration of ways to integrate technology into K-12 classrooms and develop projects that use technology to improve student learning. The course allows students to plan the implementation of a field experience or an engaged project in their classroom that applies and reflects on their content, professional, and pedagogical knowledge, skills, and dispositions in a variety of settings. (Fall)

EDUC 657 EXCEPTIONALITY, DIVERSITY, AND DIFFERENCES 3 HOURS
A study of exceptionality, diversity, and difference that exists in P-12 classrooms, including issues of socio-economic status, gender, and ethnicity. The course explores related strategies for developing appropriate learning environments, instructional modifications, intervention alternatives, teaching styles, and alternative delivery systems, as well as addresses professional networking and collaboration in order to enhance the learning experience for all students. (Fall, Spring)

EDUC 660 ASSESSMENT STRATEGIES FOR ELLS 2 HOURS
A guide for K-12 classroom teachers to successfully differentiate their assessment practices for linguistically diverse student populations. The course addresses: student monitoring of academic mastery, English language proficiency, instructional and assessment accommodations, and stakeholder reporting. (Fall, odd)

EDUC 663 METHODS OF TEACHING ELL 2 HOURS
An examination of the structured strategies for effectively supporting the learning of English learners in their classroom through effective planning of language objectives and building academic vocabulary development in all lessons. The course supports the learning of students through comprehensible input on these cross-curricular strategies. Prerequisite: EDUC 660. (Spring, even)

EDUC 664 LITERATURE AND LITERACY FOR CHILDREN AND YOUNG ADULTS 3 HOURS
An examination of the literacy issues as they relate to literature for children and young adults. The course includes classic and contemporary works of literature for children and young adults will be studied with regard to reading issues, child / adolescent development, censorship, literary value, and life-long reading / learning. Cross-referenced with ENGL 664/LMIS 664. (Fall)

EDUC 665 LEARNING THEORY AND INSTRUCTIONAL DESIGN 3 HOURS
An overview of learning theories instructional design models. The course focuses on curriculum design for educators using the Backward Design model within behavioral, cognitive information processing, and constructivist approaches. (Fall)

EDUC 667 LITERACY AS COMMUNICATION IN ELEMENTARY 3 HOURS
A focus on ways to integrate effective reading strategies into all subject areas of the curriculum. Participants learn strategies for supporting the comprehension of nonfiction texts and the development of content-area vocabulary, as well as motivational techniques for reluctant learners. This course also expands background experience in literacy including study skills, vocabulary development, reading comprehension, and written, oral, and listening communication. (Spring)
EDUC 670 SECOND LANGUAGE ACQUISITION 2 HOURS
An examination of theories and models of second language acquisition for ELL students. The course covers the emotional, social, and intellectual implications of learning a second language in a cross-cultural setting. (Fall, even)

EDUC 673 FOUNDATIONS OF BILINGUAL EDUCATION 2 HOURS
An examination of the theories and models of bilingual education for ELL students from a cross-disciplinary perspective. The course includes individual and societal concepts in minority and majority languages and childhood developmental perspectives as well as the psychological and sociological aspects of bilingualism. (Summer)

EDUC 675 TEACHING WITH 21ST CENTURY TOOLS 2 HOURS
A study of the tools teachers will need to help students master the learning skills of a digital world. The participants will acquire a knowledge of information and communication technologies, an understanding of the relevance of teaching with real world examples, and the importance of involving students in areas of communication and collaboration. (Summer)

EDUC 681 CONTINUOUS ENROLLMENT 1 HOUR
An option for graduate students who must remain continuously enrolled during the graduate studies process. (Fall, Summer, Spring)

EDUC 685 ACTION RESEARCH IN EDUCATION 3 HOURS
A study of the action research process. This course covers how to conduct, analyze, and reflect upon action research. Students will complete their proposal for their action research project. Topics include the action research process, IRB paperwork, data collection, data analysis, and reflection. Prerequisite: EDUC 610. (Fall, Spring)

EDUC 689 RESEARCH APPLICATION 1 HOUR
Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with ENGL/LMIS/TECH 689. (Fall, Spring, Summer)

EDUC 693 ELL TEACHING PRACTICUM 2 HOURS
An outline for candidates to demonstrate their proficiency at planning implementing and managing curriculum and instruction for ELL students. The students will acquire the eight (8) essential elements of the Sheltered Instruction Operational Protocol and demonstrate them during the final evaluation of the practicum. Prerequisite: EDUC 663. (Fall, Spring)

EDUC 694 INDEPENDENT STUDY 1-3 HOURS
A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity. Cross-referenced with LMIS/TECH 694

EDUC 698 CAPSTONE 2 HOURS
A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with ENGL/LMIS/TECH 698. (Fall, Summer, Spring)

EDUC 699 SPECIAL TOPICS 1-3 HOURS
An advanced study covering topics not regularly taught in the Master of Education program. The course provides learners with the flexibility to investigate topics of interest. Cross-referenced with LMIS/TECH 699.

ENGL 650 STUDIES IN LITERATURE 3 HOURS
An advanced study of selected genres, authors, themes, or eras in American, British, or world literature. Students develop and share specific teaching/learning and assessment materials for literature commonly used in the secondary school classroom. The student will acquire multiple ideas, implementation plans, rubrics, and assessment ideas that will assist the secondary school language arts instructor. (Summer, odd)

ENGL 653 LANGUAGE AND CULTURE 3 HOURS
A study of the relationships between language and culture. The course considers and researches communicative functions and culture; dialect, gender, and cross cultural studies of linguistic preference; acquisition of communicative competence, and multi-lingual/bi-lingual issues. (Summer)

ENGL 664 LITERATURE AND LITERACY FOR CHILDREN AND YOUNG ADULTS 3 HOURS
An examination of literacy issues as they relate to literature for children and young adults. The course includes classic and contemporary works of literature for children and young adults is studied with regard to reading issues, child/adolescent development, censorship, literary value, and life-long reading/learning. Cross-referenced with EDUC/LMIS/TECH 664. (Fall)

ENGL 673 LINGUISTICS FOR ELL TEACHERS 3 HOURS
Guides K-12 classroom teachers to successfully implement linguistically appropriate practices that are predicated upon language theory for culturally and linguistically diverse (CLD)/ELL student populations to promote English language proficiency and content mastery. Components of the language system including phonology, morphology, syntax, semantics, pragmatics, discourse analysis, register, aspects of social and academic language, and writing conventions. Prerequisites: ENGL 653. (Spring)

ENGL 676 RESEARCH IN TEACHING WRITING 3 HOURS
This course will investigate the research related to teaching writing. Scholarly articles and texts will provide the sources. The course topics will include educational and composition theory for the purpose of informing secondary school writing instruction. (Summer)

ENGL 689 RESEARCH APPLICATION 1 HOUR
Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with EDUC/LMIS/TECH 689. (Fall, Spring, Summer)

ENGL 698 CAPSTONE 2 HOURS
A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and values in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with EDUC/LMIS/TECH 698. (Fall, Spring, Summer)
LIBRARY AND INFORMATION TECHNOLOGIES

LMIS 660 APPLIED RESEARCH IN CURRENT SCHOOL LIBRARY ISSUES 3 HOURS
A survey of current themes and issues in school library and information technology research with emphasis on identifying areas for collaborative school classroom or library research designed to support improved student learning and address state and national curriculum standards. An overview of the processes and procedures involved in designing, completing, and documenting a successful action research project. Writing a draft action research literature review using the institutionally required style and formats, submitting the required M.Ed. action research topic proposal, and preparing and submitting Institutional Review Board (IRB) forms for this research proposal. Prerequisites: EDUC 610. (Fall)

LMIS 664 LITERATURE AND LITERACY FOR CHILDREN AND YOUNG ADULTS 3 HOURS
An examination of the literacy issues as they relate to literature for children and young adults. The course includes classic and contemporary works of literature for children and young adults with regard to reading issues, child/adolescent development, censorship, literary value, and life-long reading/learning. Cross-referenced with EDUC/ENGL 664. (Fall)

LMIS 670 INTEGRATING INFORMATION LITERACY & RESOURCE STANDARDS 3 HOURS
An exploration and analyzes of research models, their application and use in meeting information literacy standards. Topics include current issues and trends in learning theory, learner behavior, and instructional design as related to information literacy. An emphasis is placed on the responsibility of the school library media specialist to collaborate with classroom teachers to integrate information literacy into all curricular areas. (Fall)

LMIS 676 CONTEMPORARY CATALOGING FOR THE SCHOOL LIBRARY 2 HOURS
Principles of organizing and cataloging materials for the school library, with emphasis on accessing resources for processing materials in a variety of print and digital formats, utilizing current standards and systems for creating bibliographic records, and developing and maintaining records in online circulation and catalog systems. Prerequisite: An introductory course (graduate or undergraduate) in libraries and the role of the school librarian. (Summer)

LMIS 677 COLLECTION DEVELOPMENT FOR THE 21ST CENTURY SCHOOL LIBRARY 2 HOURS
This course covers the selection and acquisition of school library resources, with emphasis on techniques to assure a balanced collection reflecting a diversity of format and content. Topics include: profiling the resource needs of learners to address state and national standards, analyzing the library collection, developing selection criteria for materials in a variety of formats, and managing the acquisitions process. Prerequisite: An introductory course (graduate or undergraduate) in libraries and the role of the school librarian. (Summer)

LMIS 680 USING INFORMATION RESOURCES 3 HOURS
A focus on core reference skills and reference collections essential to a successful school library program. The course places special emphasis on how the school library media specialist can assist students in becoming information literate and the need for collaboration with classroom teachers when promoting the use of information resources in the school library media center. (Spring)

LMIS 687 ADMINISTERING AND EVALUATING PROGRAM RESOURCES 3 HOURS
An exploration of leadership theory and the role of the school library media specialist as program administrator, preparing the learner to administer an effective school library program supporting the mission of the school and based on AASL standards. The course covers the professional principles and responsibilities including facilities management, budget consideration, personnel planning, and data-driven program assessment and evaluation. (Summer)

LMIS 688 COLLABORATION, MANAGEMENT & LEADERSHIP 3 HOURS
An overview of the major responsibilities of the school library media specialist as manager, collaborator, and leader relating to his/her role as teacher, instructional partner, information specialist, and program administrator. Topics include inter-library connections, opportunities for collaboration with individuals within a system, and the benefits of leadership roles in professional associations and organizations. (Summer)

LMIS 689 RESEARCH APPLICATION 1 HOUR
Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with EDUC/ENGL/TECH 689. (Fall, Spring, Summer)

LMIS 694 INDEPENDENT STUDY 1-3 HOURS
A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity. Cross-referenced with LMIS/TECH 694

LMIS 698 CAPSTONE 2 HOURS
A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and values in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with EDUC/TECH 698 (Fall, Spring, Summer)

LMIS 699 SPECIAL TOPICS 1-3 HOURS
An advanced study covering topics not regularly taught in the Master of Education program. The course provides learners with the flexibility to investigate topics of interest. Cross-referenced with EDUC/TECH 699

STEM EDUCATION (SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS)

STEM ED 650 STANDARDS-BASED CURRICULUM & METHODS 3 HOURS
A thorough review of content standards (Standards for Technological Literacy), and program standards for technology education (Advancing Excellence in Technological Literacy). The course covers standards based curriculum development and methods. (Fall)

STEM ED 655 STEM CURRICULUM & METHODS ELEMENTARY 3 HOURS
An overview for elementary teachers of the evolution, philosophy, methods, character, and purpose of each of the STEM disciplines. The course includes contemporary strategies unique and common among the disciplines such as analysis, modeling, inquiry, design, thematic instruction, team challenges, and practical problem solving. Current forces and trends acting on STEM education will also be explored. (Fall)
STEM ED 660 DESIGN FOR ENGINEERING 3 HOURS
A study of the concepts related to engineering design, a cornerstone of the standards based approach to technology education. The course covers the standards, benchmarks, content, and techniques necessary to successfully teach a recommended core course at the secondary level and utilizes the course guide produced by the International Technology Education Association Center for the Advancement of Teaching Technology and Science (CATTS). (Fall)

STEM ED 665 INVENTION AND INNOVATION 3 HOURS
A study of the concepts related to engineering design as well as concepts surrounding inventions and innovations. This course covers the standards, benchmarks, content, and techniques necessary to successfully teach a recommended core course at the middle school level and utilizes the course guide produced by the International Technology Education Association Center for the Advancement of Teaching Technology and Science (CATTS). (Summer)

STEM ED 670 DESIGN, TECHNOLOGY, AND ENGINEERING FOR ELEMENTARY 3 HOURS
The creation of standards-based thematic units at the elementary level. The students will use the engineering design process to integrate science, mathematics and other subjects thus expanding the range of activities possible in the self-contained elementary classroom. Technological literacy is a primary goal of the course. (Spring)

STEM ED 671 INQUIRY BASED THEMATIC INSTRUCTION 3 HOURS
A focus on the use of scientific inquiry and engineering design in thematic STEM education activities in elementary education. Education professionals will evaluate, develop, enhance, and implement inquiry based thematic STEM education activities. (Fall)

STEM ED 672 BUILDING MATH (STEM) 3 HOURS
Hands-on activities that investigate the integration of engineering design. Algebraic thinking skills are developed through the collection and analysis of data to solve real problems. Students will develop the ability to apply math knowledge and concepts to their investigations and use of the engineering design process. Suitable for the middle school level teachers who will learn how to create standards-based materials. (Summer)

STEM ED 680 ENGINEERING THE FUTURE (STEM) 3 HOURS
An emphasis on the concepts in physics, mathematics, and the engineering design process and offers students hands-on opportunities to explore the social, historical, and environmental contexts of emerging technologies. Appropriate for the secondary level. The students will learn how to create standards-based materials integrating the design process as well as science and math practices. (Spring)

TECH 651 CURRICULUM DEVELOPMENT IN CAREER AND TECHNICAL EDUCATION 3 HOURS
An exploration and application of curriculum theory and models for Career and Technical Education. Through this course the professional educator will integrate their content specialty and educational content standards with pedagogical knowledge, culture, curriculum, and instruction. (Spring, even)

TECH 652 INSTRUCTIONAL STRATEGIES IN TRAINING AND OCCUPATIONAL EDUCATION 3 HOURS
Explores the relationship of the individual instructor, learners, technology, and the lab/classroom in the development of successful instructional strategies. The course provides students with the knowledge of relevant learning theories as a basis for developing instructional strategies to maximize Career and Technical Education outcomes. (Spring, odd)

TECH 653 TRENDS AND ISSUES IN OCCUPATIONAL EDUCATION 3 HOURS
Explores trends in philosophy, STEM education, work-force needs, curriculum, and teaching procedures in Career and Technical Education. Students will research and analyze current issues, including STEM education, relating to Career and Technical Education. (Fall)

TECH 654 ADMINISTRATION AND MANAGEMENT IN CAREER AND TECHNICAL EDUCATION 3 HOURS
Addresses administration and management considerations of organization policy, human and financial resources, facilities, and the planning process as applied to Career and Technical Education. (Summer)

TECH 675 RESEARCH AND ASSESSMENT IN TECHNOLOGY EDUCATION 3 HOURS
A study of the action research process. Provides the opportunity to conduct practical action research in the standards based technology education classroom/laboratory. Evidence of success will be published or publishable article for professional journals. The course will also build on issues discussed in TECH 650 with emphasis on assessment of student learning. Prerequisite: EDUC 610 (Spring)

TECH 688 SAFETY AND MANAGEMENT IN THE TECHNOLOGY LABORATORY 3 HOURS
An examination of safety issues in light of a standards based environment with a team approach to prototype development and research in Technology Education. The course covers an essential discussion of hazards in addition to machine toll operation, due to the wide ranging activities encountered by students, as well as laboratory systems and management issues. (Summer)

TECH 689 RESEARCH APPLICATION 1 HOURS
Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with EDUC/ENGL/LMIS 689. (Fall, Spring, Summer)

TECH 694 INDEPENDENT STUDY 1-3 HOURS
A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity. Cross-referenced with EDUC/LMIS 694.

TECH 698 CAPSTONE 2 HOURS
A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and values in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with ENGL/EDUC/LMIS 698. (Fall, Spring, Summer)

TECH 699 SPECIAL TOPICS 1-3 HOURS
An advanced study covering topics not regularly taught in the Master of Education program. The course provides learners with the flexibility to investigate topics of interest. Cross-referenced with EDUC/LMIS 699.
North Dakota State Board of Higher Education
The State Board of Higher Education is the constitutional body responsible for governing the North Dakota state institutions of higher education. The members are appointed for four-year terms.

NDUS Interim Chancellor
Larry Skogen

Board Members
Kirsten Diederich, chair
Terry Hjelmstad, vice chair
Kevin Melicher
Don Morton
Kathleen Neset
Kari Reichert
Grant Shaft
Janice Hoffarth, staff adviser
Christopher McEwen, student member

Administration at VCSU
* Boe, James (2000), Director of Graduate Studies and Research/Assistant Professor of Technology Education. B.S. Valley City State University; M.Ed. University of North Dakota; Ph.D. North Dakota State University.

Bunn, Erica (2010), Controller. B.S., Valley City State University.

Carlson, Gregory (2012), Director of Institutional Resource and Assessment. A.A. Minot State University–Bottineau; B.A. University of North Dakota; M.Ed. University of Mary; Ph.D. North Dakota State University.

* Dahlberg, Margaret (1996), Vice President for Academic Affairs, Professor. B.A. University of Wisconsin–Platteville; M.A., Ph.D. University of North Dakota.

Dawes, Douglas (2012), Vice President for Business Affairs. C.P.A. B.S., MAcc Brigham Young University.

DeMuth, David. Executive Director of Great Plains STEM Education Center/Professor. B.S., M.S. University of Louisville; Ph.D. University of Minnesota.

Denholm, Jack (2010), Athletic Director, B.A. Wartburg College; M.A. Mankato State University.

Drake, Janet M. (1985), Director of Student Academic Services. B.S., M.A. University of North Dakota.

Egeberg, Patricia K. (1992), Director of Health Services. B.S.N. South Dakota State University.

Figueroa, Vitaliano (2012), Vice President for Student Affairs. B.A., M.S., University of Rhode Island; Ed.D. Argosy University.

Foss, Marcia (1978), Director of Career Services/Internships. B.S. Valley City State University.

* James, Donna (1999), Director of Library Services. B.S. Valley City State University; M.L.S. Emporia State University.

Johnson, Nadja (2013), Diversity, Retention and Inclusion Coordinator. B.A. Fisk University; M.S. University of Central Florida; Ph.D., Florida Atlantic University.

Klier, Jody (2005), Registrar. B.S. Valley City State University.


Kotta, Christopher (C.J.) (1996), Network Services Director/Information Technology Security Officer. B.S. Valley City State University.

Kringlie, Erik (1990), Director of Data Centers and Virtualization. B.U.S. Valley City State University.

Larson, Jennifer (2013), Director of Human Resources. B.S. Valley City State University.

Nix, Mike (1996), Director of Microcomputer Services. B.S. Valley City State University.


Potts, Mark (2013), Sports Information Director/Media Communication Specialist. B.S. North Dakota State University.

Robinson, Larry J. (1975), Director of Development. B.S. Valley City State University; M.S. North Dakota State University.

Roelfsema, Stephanie (2007), Director of Housing. B.S. Valley City State University.

Rogelstad, Todd (2000), VCSU Bookstore Manager. B.S. University of North Dakota.

Schumacher, Betty Kuss (1971), Director of Student Financial Aid. B.S. Valley City State University.

Shorma, Jodi (2009), Director, Learning Center. B.A., M.A. University of North Dakota.

Stenson, Charlene (1999) Director of Enrollment Services. B.S. Valley City State University; B.S. Moorhead State University.

Stricklin, Kari A. (1999), Director of Student Center/Student Activities. B.S. Valley City State University.

* Thompson, Gary (1987), Professor/Dean of the School of Education and Graduate Studies. B.S. in Ed. Moorhead State University; M.Ed., Ed.D. University of North Dakota.

Trautman, Stephanie (2007), Assistant Housing Director/Head Resident. B.S. in Education, Valley City State University.

Tykowski, Joseph R. (1986), Chief Information Officer/Assistant Professor. B.S., M.S., Mankato State University.

Vanney, Greg (2013), Director of Marketing and Communications. B.A. Luther College.

* Indicates Graduate Faculty
Faculty at VCSU


Adams, James (2008), Assistant Professor of Music. B.M., Brigham Young University; M.M., University of Maryland; D.A. University of Northern Colorado.

Allebach, Robin (2007), Instructor of Music. B.S. Bemidji State University; M.M. Northwestern University; Performance Certificate DePaul University.

Anderson, Amy (2003), Instructor of Education. B.S. Valley City State University; M.S. Minnesota State University Moorhead.

Anderson, Bob (2005), Associate Professor of Science. B.S., Ph.D. South Dakota State University.

Bass, Dave (1981), Assistant Professor of Education. B.S. Valley City State University; M.Ed. University of North Dakota.

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Kuipers, Gilbert (1981), Associate Professor of Science. B.S. North Georgia College; Ph.D. Georgia Institute of Technology.

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Laczkoski, Jason (2014), Instructor of Music. B.A. Mansfield University; M.A. University of Iowa.

Larson, Heidi (2013), Instructor of Business. B.S., D.C. Northwestern Health Sciences University; MBA University of Mary.

Lau, Ram (2012), Assistant Professor of Business. B.S. Georgia Tech; M.S. Johns Hopkins University.

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* Okland, Sheri (2010), Assistant Professor of Education. B.S., M.Ed. Moorhead State University. Special Endorsement University of South Dakota. Ph.D. North Dakota State University.

* Olson, Alan (1990), Associate Professor of Education. B.S. Valley City State University; M.A. Northern State University; Ph.D. University of North Dakota.

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Ramos, Armando (2009), Assistant Professor of Art. B.F.A. Kansas City Art Institute; M.F.A. Montana State University.

Redfearn, Christopher (2012), Assistant Professor/Chair of Department of Music. B.M., Brigham Young University; M.M., Michigan State University; D.A. University of Northern Colorado.

Rohla, Robert (2012), Instructor of Education. B.S., M.S. North Dakota State University.

Ross, Richard (1999), Associate Professor of Career and Technical Education. B.A., B.S. Minot State University; M.S. Tri-College University.

Rudolf, Jon (2004), Instructor of Music. B.M. Minnesota State University Moorhead.

* Russell, Julee (1995), Professor of English. B.S. Bemidji State University; M.A., Ph.D. University of North Dakota.

Russi, Jenni Lou (2009), Assistant Professor/Director of Theatre. B.A. Judson University; M.F.A. Kent State University.

Shorma, Jodi (2009), Instructor of Language and Literature. B.A., M.A. University of North Dakota.

Sundstrom, Teather (2012), Assistant Professor of Science. B.S. University of North Dakota. Ph.D. University of Connecticut.

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* van Gijsssel, Hilde (2002), Professor of Science. M.S., Ph.D. Leiden University (the Netherlands).

* VanHorn, Shannon (1999), Director of Distance Learning and Faculty Development. B.S., M.S, Ph.D. North Dakota State University.

Walsh, Rob (2008), Assistant Professor of Communication Arts. B.A., B.S., M.A. St. Cloud State University; Teaching Licensure, Northern State University; Ph.D. North Dakota State University.

Westby, Laurel (2014), Instructor, School of Education and Graduate Studies. A.A. Lake Region Junior College, B.S. Valley City State University, M.S. Walden University.

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Wirth, Jamie (2008), Assistant Professor of Mathematics. B.A. University of North Dakota; B.S. Mayville State University; M.A. Minot State University; Ph.D. North Dakota State University.

Woehl, Kathryn (2010), Assistant Professor of Social Science. B.S. North Dakota State University; M.S. St. Cloud State University, M.A., Ph.D. University of North Dakota.

Yamauchi, Takayuki (2007), Assistant Professor of Mathematics. M.A. Western Michigan University; M.S. Michigan Technological University; M.A. & Ph.D. Johns Hopkins University.

* Zahn, Cindy (2005), Assistant Professor of Education. B.S. in Ed. Moorhead State University; M.Ed. University of Wisconsin-River Falls; Ph.D. North Dakota State University.

Zavala-Petherbridge, Dina (2008), Instructor of Spanish. B.S. University of Wisconsin–River Falls; M.A. St. Mary’s University–Minneapolis.

* Ziniel, Jonna (2008), Assistant Professor/Chair of Department of Communication Arts. B.A., M.A. North Dakota State University; Ph.D. Southern Illinois University Carbondale.

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Anderson, Wes – Science/Planetarium Director

* Aus, Joan – Education

Beauchman, Alice – Art and Communication Arts

* Beattie, Annette – School of Education and Graduate Studies

Beilke, Deb – Business

* Booth, Blair – Technology Education

* Booth, Cory – Technology Education

Bratsch, Anna – Head Athletic Trainer

Breske, Jake – Assistant Football Coach

* Burgad, Allen – Education

* Corwin, Terry – Education

Cuadrado, Babette – Education

Cunningham, Cary – Business

Devries, Jill – Assistant Athletic Director/Head Women’s Basketball Coach/Lecturer

DeLorme, Carolyn – Education

Drake, Janet – Psychology

Drenth, Brock – Art

* Edwards, Buffy – Library and Information Science

Fracker, Elle – Head Softball Coach

Frenette, Kenneth – Head Track/Cross Country Coach

Glover, Lavesa – Assistant Women’s Basketball Coach/Intramural Co-director

Gredesky, Toni – Library and Information Science

Grenier, Tina – Library and Information Science

Hammerling, Margaret – Music

Horner, Gregg – Assistant Football Coach/Lecturer

Horner, Kathleen – English

* James, Donna – Library and Information Science

Jacobson, Tyler – Health and Physical Education

Kaminsky, Jeffrey – Head Men’s Basketball Coach/Lecturer

* Klifel-Wightman, Konda – Library and Information Science

Kocka, Vanessa – Education

Longmore, Adam – Head Volleyball Coach

Mathern, Donna – Liaison, Wyoming Program

McCulloch, Dennis – Assistant Athletic Director/Head Football Coach/Lecturer

Mogenson, Chris – Health and Physical Education

Murray, William – Mathematics

Nielson, Matthew – Science

Norby, Christopher – Music
Faculty

O'Day, John – Assistant Football Coach
Oberlander, Patricia – Education
Olney, Casey – Assistant Sports Information Director/Head Baseball Coach
Piccalo, Tony – Assistant Football Coach
Rhoades Ewing, Lara – Education
Ripley, Eric – Technology Education
Ritzen, John – Health and Physical Education
Schilling, Tim – Department of Business
Schons, Suzanne – Music
Shanenko, Kristi – English
Shuler, Jessica – Music
Sidotti, Vincent – Music
Simonson, Mary – Psychology
Solberg, Sheryl – Health and Physical Education
Sorensen, Alyssa – Assistant Athletic Trainer
Sperl, Brittany – Assistant Track and Field Coach
Stickler, Joe – Curator, Medicine Wheel Park
Stover, Nathan – Assistant Men’s Basketball Coach/Intramural Co-director
Stover, Sam – English
Undem, Beth – English
Vanasse, Michele – Education
* Welk, Janet – Education
Zaun, Tracey – Education

* Graduate Faculty
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