Hello and Welcome to VCSU!

Thank you for your interest in Valley City State University. VCSU is a campus centered on teaching excellence coupled with opportunities for students to participate and succeed in research, leadership, student clubs and organizations, the fine arts, and athletics. We take great pride in our outstanding record for student satisfaction. VCSU has served the state and region for over 120 years, and is comprised of a strong team of faculty and staff dedicated to your success.

This catalog is your road map to opportunity and success at VCSU. The courses and program requirements are designed to ensure you succeed, and to prepare you for the next exciting chapter in your life.

Your decision to attend VCSU is certainly a good one. Another outstanding decision will be to use this catalog on a regular basis. It will help you make effective decisions, understand the options available to you, and identify the necessary requirements to achieve your academic goals.

Best wishes and warm regards,

Dr. Steven W. Shirley, 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 Divisions. 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/division of your intended major.

Each major has a department, within a division, 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 division 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

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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, (Derek Hughes, McFarland 208, 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.
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=1200.

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 students should contact Enrollment Services and returning 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?
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. Students are required to take CIS 170 during their first semester on campus, to gain the skills necessary for maximizing the benefit of the notebook in your 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.
Valley City State University is a comprehensive institution of higher education that offers a range of academic programs leading to bachelor’s and master’s degrees. Subject areas include Business, Information Technology, Communication Arts, Social Science, Psychology, Education, Fine Arts, Mathematics, Science, Health and Physical Education. The university’s service area centers on southeastern North Dakota, but VCSU’s approximately 1300 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. On-campus students are issued a notebook computer and have easy access to high-speed wireless networking throughout campus, the latest multimedia technology, and classrooms equipped with the latest 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 up-to-date facilities equipped with the latest educational technology. Located less than one hour’s drive from 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 Corporation, Eagle Creek Software, Oracle Corporation, Cisco Systems, and many others.

The annual U.S. News and World Report College edition has listed VCSU as a “Best College” for every year from 1999 through 2012.

VCSU earned the #1 spot among the Top Public Regional Colleges in the Midwest in the 2012 edition of America’s Best Colleges by U.S. News Media Group.

In January 2012 VCSU’s Online Master of Education program earned national rankings in U.S. News & World Report’s first-ever edition of Top Online Education Programs.
**VCSU’s Mission**

Valley City State University prepares people for life through visionary leadership and exemplary practices in teaching, learning and service.

**VCSU’s Vision**

Valley City State University is nationally acclaimed for attracting and retaining talented individuals who advance quality learning opportunities and economic growth through technology and innovation.

**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.

**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.

**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.

**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.
South East Education Consortium

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.

Great Plains STEM Education Center

Director: Don Mugan
Valley City State University - McCarthy Hall
701.845.7441
http://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.

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.
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 and Art
VCSU partners with North Dakota State University in delivering its Elementary Education and Art 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
2012-2013

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

Fall Semester 2012

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

September
3 Holiday - Labor Day

November
6-7 Early Spring Registration
8 Spring Registration Opens
12 Holiday - Veterans Day
21 Holiday - Thanksgiving Break Begins 5:00 p.m.
23 Holiday - Day after Thanksgiving
26 Classes Resume

December
1 Last Day to Apply for Spring Graduation
10-14 Last Week of Classes/Finals Week
18 Grades Due

Spring Semester 2013

January
7 Registration/Classes start at 4:00 p.m.
8 First full day of classes
21 Holiday - Martin Luther King Jr. Day

February
18 Holiday - Presidents Day

March
8 Spring Break Begins 5:00 p.m.
18 Classes Resume
28 Holiday Break Begins 5:00 p.m.
29 Holiday

April
1 Holiday
2 Classes Resume
2-3 Early Fall Registration
4 Fall Registration Opens

May
1 Last Day to Apply for Summer and Fall Graduation
6-10 Last Week of Classes/Finals Week
11 Commencement
14 Grades Due
27 Holiday

Summer Semester 2013

June
3 Undergraduate Summer Session Begins

July
4 Holiday
2013-2014
Academic Calendar
(Specific Add/Drop dates for each semester can be found at www.vcsu.edu/registrar.)

Fall Semester 2013

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

September
2 Holiday - Labor Day

November
11 Holiday - Veterans Day
12-13 Early Spring Registration
14 Spring Registration Opens
27 Holiday - Thanksgiving Break Begins 5:00 p.m.
28 Holiday - Thanksgiving
29 Holiday - Day after Thanksgiving

December
1 Last Day to Apply for graduation
2 Classes Resume
16-20 Last Week of Classes/Finals Week
24 Grades Due

Spring Semester 2014

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

February
17 Holiday - Presidents Day

March
14 Spring Break Begins 5:00 p.m.
24 Classes Resume

April
8-9 Early Fall Registration
10 Fall Registration Opens
17 Holiday Break Begins 5:00 p.m.
18 Holiday
21 Holiday
22 Classes Resume

May
1 Last Day to Apply for Summer and Fall Graduation
12-16 Last Week of Classes/Finals Week
17 Commencement
20 Grades Due
26 Holiday

Summer Semester 2014

June
9 Undergraduate Summer Session Begins

July
4 Holiday
UNDERGRADUATE ADMISSIONS

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. The undergraduate admission procedures are designed to enroll those persons who will benefit from and contribute to the University as it meets the challenges of the 21st Century. In addition to the traditional admission program, VCSU endeavors to provide opportunities in education for the nontraditional student. An application for admission to VCSU is required of all traditional and nontraditional freshman and transfer candidates, as well as non-degree candidates interested in taking courses but not pursuing a degree. Application forms are available from the Office of Enrollment Services or by visiting www.vcsu.edu to apply online or download an application.

Admission of Freshman Students

A freshman applicant is one who has not attended a post-secondary institution after having graduated from high school. In order to be considered for admission, freshman applicants must meet core course requirements outlined in item five. A complete application to Valley City State University requires a completed application form along with the following:

1. A non-refundable fee of $35.00.
2. An official copy of the high school transcript or proof of successful completion of the General Education Development Test (GED)*.
3. Verification of measles immunization*. 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.

4. Results of the American College Test (ACT) or the Scholastic Aptitude Test (SAT). Currently VCSU does not require the writing component of the ACT. The following students are exempt from the ACT, SAT requirement:
   - Age 25 or older on the first day of class,
   - From foreign countries other than Canada.

5. To be considered eligible for admission, all beginning freshman applicants under the age of 25 are required to have completed or be in the process of completing the following high school curriculum**:
   - 4 Units of English
   - 3 Units of Mathematics, Algebra I and above
   - 3 Units of Laboratory Science, including at least one unit each in two or more of the following: Biology, Chemistry, Physics, or Physical Science
   - 3 Units of Social Studies, excluding Consumer Education, Cooperative Marketing, orientation to Social Science, and Marriage/Family.

Applicants who did not graduate but have completed all GED tests and have obtained a minimum standard score of 410 on each of the five tests and an average standards score of 450 for all five tests will be evaluated on an individual basis.

** A limited number of students who have not taken the required high school courses may be admitted. Contact the Office of Enrollment Services for further information.
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:

a. Be in good standing (not on dismissed or suspended status) at the most recent institution attended and
b. 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 a completed application form along with the following:

1. A non-refundable fee of $35.00.
2. 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 Division Chair or Dean in an attempt to more precisely define equivalencies or identify appropriate substitutions.
3. 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.
4. Verification of measles immunization. See item three in Admission of Freshman Students section.
5. 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. Because Canadian students are international students when attending VCSU, an International Student Financial Statement must be submitted which shows proof of finances available for study in the U.S. Once the application file is complete, including the completed Financial Statement, a $100 tuition deposit, and an International Express mail fee, an I-20 may 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:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Deposit Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Semester</td>
<td>May 1</td>
</tr>
<tr>
<td>Spring Semester</td>
<td>October 1</td>
</tr>
<tr>
<td>Summer Term</td>
<td>March 1</td>
</tr>
</tbody>
</table>

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 non-refundable fee of $35 (USD).
2. Verification of measles immunization. See item three in Admission of Freshman Students section.
3. 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.
4. Official academic transcript which verifies ability to succeed in university studies.
   a. All academic credentials 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.
   b. All academic credentials must be either original records or certified copies of original records.
5. Students seeking credit for transfer work from a foreign institution must have transcripts evaluated. 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. $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. A $30 (USD) I-20 Express mailing fee.

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 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. A non-degree applicant need only complete the application form and pay the one-time, non-refundable application fee.

NOTE: Non-degree students are not eligible for financial aid programs.
Admission of Early Entry/Dual Credit Students Through Jump Start

Valley City State University will admit a limited number of sophomore through senior high school students with outstanding records into the Jump Start program. Students considering application as Jump Start students must have a minimum 3.25 cumulative GPA and be progressing toward completion of the core courses required for regular admission. Students must meet North Dakota University System’s established ACT scores. (See item 5 under Admission of Freshman Students for core course details.) The following materials must be submitted to the Office of Enrollment Services:

1. Application for admission and $35 non-refundable fee. This fee will not have to be paid again at the time of freshman application.
2. Early Entry Application Form which includes a recommendation from the high school principal as well as permission from a parent or guardian.
3. Official high school transcript showing progress toward completion of the North Dakota University System College Preparatory Requirements (core courses).
4. Dual Credit Form. Students interested in applying college credit to high school requirements should see their high school counselor or principal regarding their district’s policies on dual credit. More details can also be found on page 32.

Jump Start students must follow campus add and drop dates outlined in the University calendar.

Returning Students

VCSU welcomes back numerous former students every term. If a student has been away from VCSU for one regular semester or more, a Returning Student Form must be completed. An application fee is NOT required if the student paid the fee previously. If the student has attended one or more colleges since leaving VCSU, official transcripts must be provided. The returning student form is available at www.vcsu.edu/registrar.

A student re-entering the university after a lapse of more than seven years must request that his or her transcript be evaluated by the appropriate division chair or dean and by the registrar to determine if the courses are applicable to current degree programs. Catalog changes occurring between the date of original enrollment and the date of graduation may be incorporated into the student program with the approval of the Division Chair of the discipline affected. Questions may be directed to the Office of the Registrar.

Collaborative Admission and Registration

The North Dakota University System collaborative admission and registration agreement allows a student to be concurrently enrolled at more than one NDUS institution for a given term. The institution from which the student is earning a degree is considered the “home” institution. The institution that provides courses to be applied toward that degree is considered the “host” institution.

The collaborative process allows the home campus to combine credit from more than one NDUS institution for the purpose of determining financial aid eligibility. For the collaborative student, this process produces a single billing statement and also provides automatic transfer of the student’s academic record from the host institution to the home institution.

Students at Valley City State University seeking collaborative registration with another NDUS institution must consult with the collaborative contact in the VCSU Office of the Registrar. Students from another NDUS institution seeking collaborative registration with VCSU must contact the collaborative contact at their home campus registrar’s office.
TUITION AND OTHER FEES

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 cost 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 is not officially enrolled for an academic semester until all tuition and fees have been paid or arrangements made. 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.

Miscellaneous Fees and Charges

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Application fee (one time, non-refundable)</td>
<td>$35.00</td>
</tr>
<tr>
<td>Audit</td>
<td>1/2 tuition*</td>
</tr>
<tr>
<td>Course Challenge</td>
<td>1/2 tuition*</td>
</tr>
<tr>
<td>Replacement ID Card</td>
<td>$15.00</td>
</tr>
<tr>
<td>Laboratory Fees/Course Fees/Class Fees</td>
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</tr>
<tr>
<td>Reinstatement Fee</td>
<td>$100.00</td>
</tr>
<tr>
<td>Payment Plan Enrollment Fee</td>
<td>$25.00</td>
</tr>
<tr>
<td>On-Campus Parking (yearly)</td>
<td>$30.00</td>
</tr>
<tr>
<td>Residence Hall Reservation Fee (applied to Housing Charges)</td>
<td>$50.00</td>
</tr>
<tr>
<td>Graduate Application Fee (one time, non-refundable)</td>
<td>$35.00</td>
</tr>
</tbody>
</table>

* plus applicable fees

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 twelve months immediately prior to the beginning of the academic term;
2. A person eighteen years of age or older who has been a legal resident of North Dakota for twelve 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/ hesod/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 eighteen 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 “declining balance” board contracts by which a student purchases dollar value of meals to be deducted from a credit balance and shall receive a refund of the remaining balance upon withdrawal through week 15.
Valley City State University makes every effort to provide financial assistance to eligible applicants through 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 redetermined 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 March 15. Application materials received after March 15 will receive full consideration if financial aid funds are available.

Eligibility
In order to receive aid, students must comply with the policy published on the VCSU Financial Aid web site. Go to www.vcsu.edu/financialaid and click on Satisfactory Progress Requirements.

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 http://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

Diversity Waivers Recognizing the educational benefit of a culturally diverse student population, Valley City State University offers tuition waivers for international students and for students who have U.S. citizenship or permanent residency and can contribute to the cultural diversity of the University. Waivers apply to tuition only and may be awarded as full or partial waivers. Students must complete an application to be considered.

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 $4000 to $5500 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 veterans missing or killed in action, taken prisoner, or who died from or were totally disabled as a result of military service to the United States. Students must also demonstrate financial need. Student eligibility is established by notifying the Registrar’s Office upon receiving verification from the Veterans Administration.

Tuition waivers are available 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.

Any active North Dakota National Guardsman who meets the qualifications stated by the Guard will receive $500 per semester (for 12 credits of completion) in addition to 25% waiver of institutional tuition. For students completing less than 12 credits, the benefits will be pro-rated based on actual completion. Contact your nearest National Guard headquarters for additional information.

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.

Voluntary Student Loan Fund A small, short-term emergency loan fund is maintained to help students. Students may apply at the Office of Financial Aid.

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 or the Distinguished Alumni 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 http://www.vcsu.edu/financialaid/
Information Technology

Rhoades Science Center 119

Chief Information Officer
Joseph Tykwinski
800.532.8641 extension 37330
701.845.7330
http://itc.vcsu.edu/
FAX 701.845.7349

HELP DESK
800.532.8641 extension 37340
701.845.7340

Help Desk Technical Support
The VCSU Help Desk, located in VCSU Rhoades Science Center 119, provides technical support for computers, computer networking, telephone, and interactive video services. The full service VCSU Help Desk is available for phone and walk-in support approximately 13 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 help 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 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 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 Help Desk or online at http://www.vcsu.edu/cmsfiles/216/rentalbu_plpr39.pdf

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 Help 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 months and software is upgraded at least annually. Notebook computer access includes Microsoft Office Professional (Word, PowerPoint, Excel, Access), Adobe Photoshop Elements (image editing) and Acrobat (PDF viewer), Pinnacle Studio or Apple iMovie (video editing and DVD authoring), Antivirus, 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, a VCR, voice amplification, 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. Modem and 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 Help 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 weekly through the fall semester. Upper class students serve as mentors for each group and assist students in the transition to college.

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
701.845.7131
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 board contract program is 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.
The Bookstore, located on the main level of the Memorial Student Center, carries a variety of trade books, reference books, computer supplies, office supplies, candy, gift ware, and apparel.

Textbook and book buyback policies are managed by the Bookstore. The text 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 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
Coloring Club
China Club
DECA
English Club
Fellowship of Christian Athletes
Fisheries & Wildlife Conservation Club
Golf Club
History Club
IFSC
Improv Club
International Student Club
NAIME (Music)
Newman Club
Pi Omega Pi
Pre-Professional Club
Psychology Club
Sigma Tau Delta
SNDEA (Education)
Spanish Club
Tennis Club
Valley Music Wire
VCSU Theatre Club
Viking Ambassadors
Winter Sports Club
Young Democrats
College Republicans
Phi Beta Lambda (PBL)
Society of Human Resource Management
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; Zhejiang Economic & Trade Polytechnic. 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 and even when it’s cloudy. Take the opportunity to get acquainted with the VCSU Planetarium located on the third floor of the Science Center. The Planetarium has monthly shows. For group reservations contact the Science Department. It has been estimated that this unique facility with the Spitz instrument as its centerpiece would cost half a million dollars to replace today. Be sure to 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
http://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, drama, 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 certified by the National Guild of Community Schools of the Arts and 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.

Valley City State University – 25
Health Services
Graichen Gymnasium
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 in the lower level of Graichen Gymnasium.

STUDENT ACADEMIC SERVICES
Allen Memorial Library - Lower Level
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.

Tutoring
Peer tutoring is available in most of the courses at Valley City State University for two hours a week per course. In order to qualify for peer tutoring services, a student must attend class regularly, possess a desire to learn/willingness to improve, be receiving a letter grade of “C” or lower, meet with the instructor prior to requesting a tutor, and have completed any prerequisite courses prior to requesting a tutor. A student must make a commitment to be on time and prepared for tutoring sessions.

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 http://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.
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 division 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

Jody Klier, Registrar
800.532.8641 extension 37295
701.845.7295
FAX: 701.845.7299
registrar@vcsu.edu
http://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 ConnectND 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).
Any exception to the above policy requires a petition to the Academic and Scholastic Standing Committee. Petitions are available in the Office of the Director of Student Academic Services.

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) 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 Drop/Add card with appropriate signatures to the Office of the Registrar.

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 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.

Drop/Add 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 Student Academic Services 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 Student Academic Services. 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 enroll in courses that are not required for their graduation on a satisfactory-unsatisfactory basis. No grade points are assigned. 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 tenth calendar day in the fall term and the eleventh calendar day in the spring term. 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 a 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>15</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.

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 have prerequisites and should plan accordingly. Graduate courses will have numbers between 601-699 and 701-799. Courses with the number 700 are continuing education courses and are not eligible for use in the Master’s program. 600 and 700 numbered courses are only available to students who have earned a Baccalaureate Degree.

Common Course Numbering

The North Dakota University system adopted “Common Course Numbering” (CNN) 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 division 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.

Correspondence Study

A maximum of 16 semester hours of correspondence study may be applied toward the requirements for a degree. Six semester hours may be applied toward a major and three semester hours toward a minor.

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)

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 ASC 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.
Dual Credit

The dual credit 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 dual 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 Jump Start Program, go to page 15. (Must meet North Dakota University System’s established ACT scores.)

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 division 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 Division 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 37206
701.845.7206
http://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.

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.
**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**
- Teaching English Language Learners Concentration
- Library & Information Technologies Concentration
- Teaching & Technology Concentration
- Technology Education Concentration

**Majors**
M  Art - Composite
M  Art Education
M  Athletic Training - Composite
M  Biology
M  Biology Education
M  Business Administration - Composite
  - Accounting Concentration
  - Business Generalist 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 & Technical Education - Composite
M  Career & Technical Education- BS in Education
M  Chemistry
M  Chemistry Education
M  Computer Information Systems - Composite
M  Elementary Education
M  English
  - Writing
  - Literature
  - General
M  English Education
M  Exercise Science and Leisure Studies - Composite
  - Exercise Science
  - Sport Management
  - Leisure Studies
  - Strength & Conditioning Specialist
M  Fisheries & Wildlife Science Composite
  - Fisheries Focus
  - Wildlife Focus
M  Health Education
M  Health Science - Composite
M  History
M  History Education
M  Human Services Composite
  - Criminal Justice Concentration
M  Mathematics
M  Mathematics Education
M  Medical Laboratory Science - Composite
M  Music - Composite
M  Music Education - Composite
  - K-12 Vocal-Instrumental Music
  - K-12 Vocal Music
  - K-12 Instrumental Music
M  Office Management – Composite
M  Physical Education - K-12
M  Professional Communication
  -Corporate Communication Concentration
  -Media Communication Concentration

**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-Elementary
m  English-Secondary
m  Health Education
m  History
m  Human Resources
m  Library Media and Information Science
m  Marketing
m  Mathematics
m  Mathematics-Elementary
m  Mathematics-Secondary
m  Music
m  Music with an Emphasis in Business
m  Office Management
m  Physical Education (Elementary & Secondary)
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
cc  Athletic Coaching
c  Customer Relationship Management
cc  Digital Design
c  Enterprise Applications
cc  Music Composition
cc  Music Production & Recording
cc  Piano Pedagogy
cc  Strength & Conditioning
cc  STEM Education- Elementary
cc  STEM Education- Secondary
e  ELL Endorsement
e  Kindergarten Endorsement
e  ND Middle Level Endorsement
e  STEM
cr  Title I Reading Credential
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

Communication: To convey thoughts, ideas, data, information, and messages effectively.
- **Written**: communicates effectively thoughts, ideas, data, information and messages in written form for a variety of purposes and audiences.
- **Spoken**: communicates effectively thoughts, ideas, data, information, and messages in spoken form for a variety of purposes and audiences.
- **Visual**: communicates effectively through elements of design, graphs, and other visual media, such as video, digital, and PowerPoint presentations.
- **Performance**: communicates thoughts, information, emotions, or moods through a performance medium such as music, dance, theatre, art, or presentation.

Collaboration: To work together to reach a common goal.
- **Positive interdependence**: understands responsibility and acts appropriately to promote the group’s success.
- **Leadership**: delegates and demonstrates accountability for a group’s success.

Aesthetic Engagement: To develop an increased understanding and appreciation of creative human endeavor.
- **Responsiveness**: uses understanding to perceive and interpret an aesthetic experience.
- **Receptivity**: listens, views, and reads with imagination and understanding.

Global Awareness: To look beyond one’s immediate self and local community.
- **Works with diversity**: demonstrates awareness and respect for diversity.
- **Understands systems**: identifies interrelationships between self, immediate community, the environment and the global community.

Problem Solving: To select and use appropriate and effective approaches and tools in solving a wide variety of problems.
- **Research**: locates and gather appropriate data.
- **Creative/Critical Thinking**: finds, evaluates, and examines new relationships among facts, concepts, theories, and interpretations.
- **Systems analysis**: examines the possible interactions and connections of various systems and determines the consequences.

Wellness: To make constant and deliberate choices that lead to a well-balanced life.
- **Self-Management**: demonstrates self-directed commitment.
- **Self-Worth**: cultivates an intrinsic sense of personal value.

Technology Literacy: To use technological tools and processes to improve learning, productivity, and/or performance.
- **Computational and Communication Technology**: uses technology responsibly, appropriately, and effectively uses technology to discover, investigate, create, assess, manage, and communicate information.
- **General Technology**: (all other forms of technology) uses technology responsibly, appropriately, and effectively uses technology to discover, investigate, or create.

Effective Citizenship: To be actively involved in improving the community and environment.
- **Provides Service**: As a good role model and teacher, actively involved in improving the community and the environment while teaching others to do the same.
- **Teaches Others**: teaches others new skills.
- **Facilitates Change**: responsibly questions existing beliefs and conditions taking appropriate action for change.
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.

Placement in Math and English 110 is guided by student’s high school academic record and ACT scores. Students should enroll in the appropriate Math course as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>ACT Score Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 092</td>
<td>ACT of 12 or less</td>
</tr>
<tr>
<td>MATH 102</td>
<td>ACT of 13 through 18 or the completion of MATH 092</td>
</tr>
<tr>
<td>MATH 093</td>
<td>ACT of 19 through 21</td>
</tr>
<tr>
<td>MATH 103</td>
<td>ACT of 22 or higher or the completion of MATH 093 or 102</td>
</tr>
</tbody>
</table>

Student should enroll in the appropriate English course as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>ACT Score Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 100</td>
<td>ACT of 13 or less</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>ACT of 14-17 with ENGL 101 (co-enroll)</td>
</tr>
<tr>
<td>ENGL 110</td>
<td>ACT of 18 or higher, or the completion of ENGL 100</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></th>
<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</td>
<td>ENGL 125</td>
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<td></td>
<td></td>
<td>COMM 110</td>
<td>COMM 212</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>
<td>MATH 103</td>
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<tr>
<td>Wellness</td>
<td>HPER 100</td>
<td>HPER 100</td>
<td>HPER 100</td>
<td>HPER 100</td>
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<td>HPER 100</td>
</tr>
<tr>
<td>Technology</td>
<td>CIS 170</td>
<td></td>
<td>CIS 170</td>
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<tr>
<td>Aesthetic Engagement</td>
<td>ART 110</td>
<td>HUM 201</td>
<td></td>
<td>ART 110</td>
<td>HUM 201</td>
<td></td>
</tr>
<tr>
<td>Global Awareness &amp; Effective Citizenship</td>
<td>GEOG 111</td>
<td>GEOG 111</td>
<td>GEOG 111</td>
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<td>SOC 111</td>
<td>SOC 110</td>
<td>SOC 111</td>
<td>SOC 111</td>
<td>SOC 110</td>
<td>SOC 110</td>
</tr>
</tbody>
</table>
Required General Education Courses  38 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 Analytic Geometry & 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) ............................... 2 hours
CIS 170 Introduction to Computer Information Systems
CSCI 127 Introduction to Programming in Java
CSCI 160 Introduction to Structured Programming I

Aesthetic Engagement .................................................. 6 hours

Literacies – Literary, Media, Philosophic
           (Complete one course)................................. 3 hours
ENGL 220 Introduction to Literature
ENGL 225 Introduction to Film
ENGL 241 World Literature I
ENGL 242 World Literature II
ENGL 261 American Literature I
ENGL 262 American Literature II
HUM 201 Civilization, Thought, & Literary Heritage
SPAN 201 2nd Year Spanish I
SPAN 202 2nd Year Spanish II
THEA 110 Introduction to Theatre Arts
THEA 161 Acting One

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
PSCI 115 American National Government
PSCI 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 131 Concert Choir
MUS 141 Concert Band
THEA 201 Theatre Practicum

Students should view their major program for general education required courses.
DEGREE OPTIONS AND 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 39).
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 39).
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 39).
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. The statement should include the five University Abilities the student expects to demonstrate through his/her portfolio.
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 39).
5. The student’s Senior Portfolio should demonstrate the Abilities required by the divisions 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 159 of this Catalog.
REQUIREMENTS FOR GRADUATION

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 must make formal application in the Office of the Registrar. The deadline dates for applying are published in the academic calendar.
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, except Career-Technical Education majors, who must complete 12 hours from VCSU.
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 division 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 division/school are indicated in the description of each division/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 on CD-ROM or DVD. 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 ASC 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, ConnectND 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 ASC 150.
Allen Memorial Library

**Director:** Donna V. James  
**Assistant:** Enkhtuya Dutton  
701.845.7276  
800.532.8641, extension 37277  
FAX: 701.845.7284  
library@vcsu.edu  
http://library.vcsu.edu

**Hours:** During the academic year 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. Hours during finals week, holidays and during the summer may vary. Please phone.

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 computer workstations with a variety of multimedia equipment.

**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 web site, at http://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 am to 3:00 pm M-F, 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 multi-media, along with children’s fiction and non-fiction 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.

The second floor of Allen Memorial Library features an informal work area with vending machines, microwave, and DVD equipment as well as a recently remodeled classroom with wireless access, a laser printer and digital presentation equipment. A newly-installed satellite dish provides access to 128 informational, educational, and entertainment channels. The VCSU community uses this facility for collaborative work, informal classes, meetings, and other campus events.

**HISTORY & SPECIAL COLLECTIONS**

Allen Memorial Library, named after Valley City State University President from 1918-1936, Carlos Eben Allen, 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 Collection (which includes the centennial histories of many towns),
- A growing Germans from Russia Collection, and
- The Larry Woiwode Manuscript Collection.
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, and English language learners. 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).

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 in the general education composition and communication requirements 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 and VCSU PPST standards. North Dakota’s PPST standards are: Reading (173), Math (170), and Writing (173). Students must meet individual qualifying scores in Math, Reading or Writing, or meet qualifying scores on two of the tests and have a composite score of 516.
5. Demonstrate proper dispositions necessary to teach for learning.

6. Satisfactory academic performance 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.

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 division/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 National Education Association (SNEA) 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 PLT).

4. 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.

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 Teacher Performance Assessment 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, 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 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 sends the application to the North Dakota Education Standards and Practices Board for issuance of a teaching license.

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; 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 division chair should consult the Student Handbook, which details final appeals procedures under the University Hearings and Appeals Board.
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. Innovative programs like CRM and Enterprise Applications certificates give students specialized skills that employers demand.

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

Majors:
- Business Administration - Composite (B.S.)
  - Accounting Concentration
  - Business Generalist Concentration
  - Business Process Management Concentration
  - Finance Concentration
  - Human Resource Management
  - Management Concentration
  - Marketing Concentration
- Business Education - Composite (B.S. in Ed.)
- Business Education (B.S. in Ed.)
- Business Process Integration Management - Composite (B.S.)
- Career and Technical Education - Composite (B.S., B.S. in Ed)
- Computer Information Systems - Composite (B.A., B.S.)
- Office Management - Composite (B.S.)

Minors:
- Business
- Business Software Applications
- Human Resources
- Marketing
- Office Management

Certificates:
- Customer Relationship Management
- Enterprise Applications

Certificates of Completion:
- Digital Design
The focus of study in the Division of Communication Arts and Social Science is humanity in its broadest dimensions, specifically those highly developed human capabilities of communication and social organization.

The general goals of the Division are:

1. To serve the fundamental needs of all students through courses aimed at achieving stated skills in the communication arts;
2. To help all students achieve a better understanding of the common cultural heritage, beliefs, and values through study of the humanities;
3. To promote an understanding of social organization and interactions through the study of history, the social sciences, and psychology; and
4. To promote global awareness and appreciation of diverse cultures through the study of language and opportunities to study in other countries.

**Master of Education:** 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. The Master of Education Degree in Teaching and Technology offers a cognate 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.

**Majors:**

- English (B.A., B.S. in Ed)
- History (B.A., B.S. in Ed)
- Human Services - Composite (B.A., B.S.)
- Criminal Justice Concentration
- General Human Services Concentration
- Professional Communication (B.A., B.S.)
- Corporate Communication Concentration
- Media Communication Concentration
- Psychology (B.A.)
- Social Science - Composite (B.A., B.S., B.S. in Ed)
- Spanish (B.A., B.S. in Ed)

**Minors:**

- English - Elementary
- English - Secondary
- History
- Library Media & Information Science
- Psychology
- Sociology
- Spanish
- Speech, Communication, and Theatre Arts
- Theatre
At VCSU, all students benefit from developing aesthetic responsiveness, cultural awareness, and historical and contemporary perspective. In addition, the Fine Arts Division also prepares students for careers in K-12 Art Education and K-12 Music Education; professional study in Fine Arts; and for careers in arts-related businesses and in music industry. The Fine Arts Division

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

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

**Minors:**
- Art
- Music
- Music with an Emphasis in Business
- Piano Pedagogy

**Certificate of Completion:**
- Digital Design
- Music Composition
- Music Production & Recording
- Piano Pedagogy
The Department of Mathematics
Chair: Preston Bush, Ph.D.
701.845.7151
Faculty: Bush, Hill, Wirth, Yamauchi

Math and Science prepare students for a career or graduate studies in pure and applied sciences, mathematics, and related areas. Health & Physical Education develops the knowledge, skills, attitudes, and values that come from physical activity throughout one's life.

The Division seeks to:

1. Provide secondary education majors with the knowledge, skills, and attitudes which enable them to teach successfully in their chosen field of specialization.
2. Provide elementary education majors the essential knowledge, skills, and attitudes, in the areas of Mathematics and Science, in order to plan and present learning activities for the elementary classroom.
3. Provide courses in general education for the liberal arts student.
4. Provide students with academic counseling, courses, programs and research experiences that will prepare them for the professional or graduate school of their choice.
5. Provide all students and members of the community opportunities for learning experiences in areas related to Mathematics and Science.
6. Provide students with research opportunities at VCSU facilities and provide internships (summer and year round) at VCSU and other facilities.
7. Provide opportunities to be involved in the operation and production of shows at the VCSU Planetarium and in the continued development of the Medicine Wheel Park.
8. The Department of Health and Physical Education develops among its students the knowledge, skills, attitudes and values that come from living an active lifestyle and making healthy behavioral decisions.

Majors:
Athletic Training - Composite (B.S.)
Biology (B.A., B.S.)
Biology Education (B.S. in Ed)
Chemistry (B.A., B.S.)
Chemistry Education (B.S. in Ed)
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 Ed)
Health Science - Composite (B.A., B.S.)
Fisheries & Wildlife Science - Composite (B.A., B.S.)
Mathematics (B.A., B.S.)
Mathematics Education (B.S. in Ed)
Medical Laboratory Science - Composite (B.S.)
Physical Education- K-12 (B.S.in Ed)

Minors:
Athletic Coaching
Biology
Chemistry
Computer Science
Earth & Environmental Science

Certificate of Completion:
Athletic Coaching
Strength & Conditioning

Health Education
Mathematics
Mathematics - Elementary
Mathematics -Secondary
Physical Education
Physics
McFarland Hall, Third Floor  
**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

**Faculty:** Anderson, Aus, Bass, Gegelman, Holleque, Hoskisson, Knodle, Kvilvang, Maher, Okland, Olson, Owen, Thompson, Zahn

The function of the School of Education and Graduate Studies is to identify individuals who possess the disposition for the teaching profession and to provide students with a solid foundation in pedagogy. The major purpose of the school is to assist the student in developing varied skills needed to become a successful practitioner. Undergraduate coursework leads to the baccalaureate degree in Education.

VCSU was founded as a ‘teacher’s college’ over 100 years ago, and teacher education remains one of our specialties. Undergraduate majors are available in Elementary and Secondary Education, and Technology Education (online). Valley City State University’s School of Education and Graduate Studies offers a Master of Education degree (M.Ed.) with four specific areas of concentration: 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 Ed)
- Technology Education (B.S. in Ed)

**Minors:**
- Teaching English Language Learners
- Technology Education

**Endorsements:**
- English Language Learners
- Kindergarten
- North Dakota Middle Level
- STEM

**Credentials:**
- Reading Credential

**Certificate of Completion**
- STEM Education - Elementary
- STEM Education - Secondary

**School of Education & Graduate Studies**

**Department of Technology**
**McCarthy Hall, First Floor**

**Chair:** James Boe, Ph.D.  
**Assistant:** Karen Ostgarden  
800.532.8641 extension 37444  
701.845.7444  
karen.ostgarden@vcsu.edu  
http://teched.vcsu.edu

**Faculty:** Boe, Gjovik, Ketterling
Art Composite 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.
3. To prepare the student for careers in arts-related businesses and industry.
4. To contribute to the cultural environment of the campus and the community.

 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.

Wellness: To make constant and deliberate choices that lead to a well-balanced life.

Technology: To use technological tools and processes to improve learning, productivity and/or performance.

General Education Requirements

<table>
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<tr>
<th>Category</th>
<th>Hours</th>
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<td>ENGL 110 College Composition I 3</td>
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<td>ENGL 120 College Composition II 3</td>
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<td>-or- ENGL 125 Intro to Professional Writing 3</td>
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<td>MATH 104 Finite Mathematics 3</td>
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<td>MATH 107 Precalculus 3</td>
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<td>MATH 165 Analytic Geometry &amp; Calculus I 3</td>
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<td>Literacies (Select one course) 3 Hrs</td>
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<td>(Select two courses)</td>
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<td>COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro</td>
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<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
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<td>ART 112 Design</td>
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<td>ART/COMM 155 Intro to Photography</td>
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<td>ART 221 Printmaking</td>
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<td>ART 261 Sculpture</td>
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<td>ART 281 Ceramics</td>
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<td>ART 382 Ceramics</td>
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<td>ART 399 Special topics - Studio</td>
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<td>ART 497 Internship</td>
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<td>STEM ED 331 Innov and Engineering Design</td>
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<td>TECH 330 Exploring Technology</td>
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Total General Education 38 Hrs
Total Major Requirement 65 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.

Department Chair:
Linda Whitney M.F.A.
McCarthy Hall 355
701-845-7598

Undergraduate Programs
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.
3. To prepare the student for careers in arts-related businesses and industry.
4. To contribute to the cultural environment of the campus and the community.

Abilities
Communication: To convey thoughts, ideas, data, information, and messages effectively.
Problem Solving: To select and use appropriate effective processes to improve learning, productivity and/or performance.
Wellness: To make constant and deliberate choices that lead to a well-balanced life.
Technology: To use technological tools and processes to improve learning, productivity and/or performance.

General Education Requirements

<table>
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<th>Requirement</th>
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Required Courses

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<td>ART 241 Painting</td>
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<td>ART 411 Art Hist III: Contemporary</td>
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<tr>
<td>-or- ART 412 Art History IV: Tribal Art</td>
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<td>ART 490 Secondary &amp; Elementary Art Methods</td>
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<td>ART 491 Professional Practices</td>
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Electives

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<td>ART/EDUC 230 Craft Activities</td>
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<td>ART/COMM 255 Digital and Adobe Elem</td>
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<td>ART 321 Printmaking</td>
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<td>ART 322 Printmaking</td>
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<td>ART/COMM 355 Advanced Photography</td>
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<td>ART 398 Practicum in Elem Art Methods</td>
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<td>-or- ART 412 Art History IV: Tribal Art</td>
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Professional Ed Sequence

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<td>EDUC 240 Educating Exceptional Students</td>
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<tr>
<td>EDUC 250 Introduction to Education</td>
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<td>EDUC 283 Understend Cultural Diversity in Ed</td>
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<td>EDUC 300 Educational Technology</td>
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<td>EDUC 351 Sec Practicum &amp; Clsrm Mgmt</td>
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<td>EDUC 352 Culturally Diverse Practicum</td>
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<td>-or- EDUC 464 Practicum in ELL Classroom</td>
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<td>EDUC 375 Tch Rding in the Content Areas</td>
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<td>EDUC 400 Educational Psychology **</td>
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<td>EDUC 450 Trends in Assess &amp; Ed 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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<td>** Courses to be taken the same semester. Students seeking K-12 certification will be placed in an Elementary and Secondary classroom setting.</td>
<td></td>
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</tbody>
</table>

For complete graduation requirements see page 39.

For complete graduation requirements see page 39.
**Athletic Training Composite Major**

**MAJOR**

The Athletic Training major will graduate students who are qualified to sit for the BOC National Examination, upon accreditation.

**Learning Outcomes**

1. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
4. The Department of Health and Physical Education, through its general education offering, will demonstrate knowledge of the importance of lifetime physical fitness and healthy behavioral decisions.

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

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### General Education Requirements 38 Hours

#### Communication & Collaboration 9 Hrs

- ENGL 110 College Composition I
- ENGL 125 Intro to Professional Writing
- COMM 110 Fund of Public Speaking
- COMM 212 Interpersonal Communication

#### Problem Solving 11 hrs

- Mathematics - 3 crs (Select one course)
  - MATH 103 College Algebra
- Lab Science - 8 crs (Select two courses)
  - BIOL 150 General Biology
  - BIOL 151 General Biology

#### Technology 2 Hrs

(Select one course)
- CIS 170 Intro to Computer Information Systems
- CSCI 127 Intro Java; CSCI 160 Intro 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
  - 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 Geography
- HIST 103, 104, 211, 212, 260, 267, 270
- POLS 115 Amer Gov; POLS 116 State Government
- PSYC 111 Intro Psych*
- SOC 110 Intro to Soc; SOC 111 Intro Anthropology

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### Specified Courses 76 Hours

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<th>Course</th>
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<tr>
<td>HPER 109 Exercise Tech. &amp; Program Design</td>
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<td>HPER 124 Clinical Experience I</td>
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<td>HPER 126 Taping, Bracing, and Protective Equipment</td>
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<td>HPER 127 Intro to Athletic Training</td>
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<tr>
<td>AH 171 Medical Terminology</td>
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<td>HPER 209 Sports Nutrition Concepts</td>
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<td>HPER 211 FA/CPR/AED for the</td>
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<td>Professional Rescuer</td>
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<td>HPER 224 Clinical Experience II</td>
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<td>HPER 226 Injury Recog and Eval of LE</td>
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<td>HPER 227 Injury Recog and Eval of UE</td>
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<td>HPER 258 Appl Anat/Phys/Hum Perform</td>
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<td>HPER 324 Clinical Experience III</td>
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<td>HPER 326 Therapeutic Modalities</td>
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<td>HPER 331 Injury Recog and Eval of</td>
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<td>HPER 332 General Medical Conditions</td>
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<td>HPER 390 Fitness Assessment &amp; Prescript</td>
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<td>HPER 424 Clinical Experiences IV</td>
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<td>HPER 425 Soc/Psych Aspects of Sport</td>
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<td>HPER 438 Organization and Administration</td>
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<td>HPER 454 Evidence-based Practice</td>
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<td>HPER 487 Athletic Training Field Experience</td>
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<td>BIOL 220 Human Anatomy &amp; Physiology</td>
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<td>MATH 321 Applied Probability and Statistics</td>
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<td>HPER 491 Senior Portfolio</td>
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It is recommended to take the course during junior year.

| Total General Education                           | 38 Hrs |
| Total Major Requirement                           | 76 Hrs |
| Total Credits Needed to Graduate                  | 120 Hrs |

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For complete graduation requirements see page 39.

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**Department Chair:**
Sharon McCarriar Ed.D.
Graichen Gymnasium 002
701-845-7168
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
1. Increases student scientific literacy to meet professional employment goals.
2. Enhance personal understanding of the impact of science upon one’s 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 39-40 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 12-13 hrs
Mathematics - 3 crs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Analytic Geometry & Calculus I
Lab Science - 9-10 crs (Select two courses)
CHEM 116 Intro to Organic & Biochem
-or- CHEM 260 Elements of Biochem
CHEM 121 General Chemistry

Technology 2 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
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 Geography
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

Required Courses 28 Hours
BIOL 150 General Biology
BIOL 151 General Biology
BIOL 170 General Zoology
BIOL 311 Botany
BIOL 315 Genetics
BIOL 310 Microbiology
or BIOL 441 Cell Biology
BIOL 410 Field Ecology
or BIOL 470 Limnology

Directed Electives 12 Hrs
BIOL 220 Human Anatomy & Physiology I
BIOL 221 Human Anatomy & Physiology II
BIOL 267 Environmental History
BIOL 310 Microbiology
BIOL 312 Botany
BIOL 330 North Dakota Flora
BIOL 343 Ornithology
BIOL 347 Aquatic Entomology
BIOL 355 Mammalogy
BIOL 367 Ichthyology
BIOL 375 Conservation Biology
BIOL 380 Human Sexuality
BIOL 395 Lab Prep & Management
BIOL 410 Field Ecology
BIOL 440 Biostatistics and Exp. Design
BIOL 441 Cell Biology
BIOL 470 Limnology
BIOL 491 Senior Portfolio
BIOL x94 Ind Study/Undergrad Research
BIOL x99 Special Topics

Total General Education 39-40 Hrs
Total Major Requirement 40 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.

Department Chair:
Joe Stickler Ph.D
Rhoades Science Center 302
701-845-7334
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
1. 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.

For complete graduation requirements see page 39.
Business Administration - Accounting Concentration Composite Major

MAJOR
Business Administration is a versatile bachelor’s degree. Select from concentrations in accounting, business generalist, business process management, finance, management, marketing and human resources—disciplines that form the foundation of any business. A major in Business Administration prepares you for a wide variety of careers, including careers in accounting, banking, management, retail, manufacturing, government, and/or entrepreneurship. Graduates are also excellent candidates for continuing education such as Masters in Business Administration (MBA), other business-related masters programs, a law degree, Certified Public Accounting (CPA) classes, and more.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for life long learning. Students will continually improve knowledge and the ability to apply facts, concepts, theories and analytical methods when compared with students across the nation as measured by a standardized content exam.
3. Students in BIT majors will increase and broaden understanding and capabilities in selecting and applying current 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 Literacy: Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements
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 Pre calculus
MATH 165 Analytic Geometry & Calculus I
Lab Science (Select two courses) 8 Hrs
Biol 111, 150, 161, 170, 220, 221
Chem 115, 116, 121, 122
Geol 100, 106
Phys 100, 110, 161, 162, 251, 252
Tech 161

Technologies and Methods - 12 Hrs
CIS 170 Intro to Computer Info Systems* 3
HPER 100 Concepts Fitness & Wellness 2 Hrs

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

Electives/Internship 15 Hours
Bote 314 Business Reports & Communication 3
Bote 336 Business Data Solutions 3
Bote 337 Authoring Digital Publications 3
Busi 491 Senior Portfolio 1
Cis 369 Enterprise Systems 3
Econ 261 Business Statistics 3
Fin 375 Business Finance I 3
Mgmt 330 Principles of 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

Total General Education 38 Hours
Total Major Requirement 67 Hours
Total Credits Needed to Graduate 120 Hours

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513

Valley City State University – 61
Business Administration - Business Generalist Concentration
Composite Major

MAJOR
Business Administration is a versatile bachelor’s degree. Select from concentrations in accounting, business generalist, business process management, finance, management, marketing and human resources—disciplines that form the foundation of any business. A major in Business Administration prepares you for a wide variety of careers, including careers in accounting, banking, management, retail, manufacturing, government, and/or entrepreneurship. Graduates are also excellent candidates for continuing education such as Masters in Business Administration (MBA), other business-related masters programs, a law degree, Certified Public Accounting (CPA) classes, and more.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for life long learning. Students will continually improve knowledge and the ability to apply facts, concepts, theories and analytical methods when compared with students across the nation as measured by a standardized content exam.
3. Students in BIT majors will increase and broaden understanding and capabilities in selecting and applying current 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 Literacy: Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements

- Communication & Collaboration 9 Hrs
  - 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 Hours
  - MATH 103 College Algebra
  - MATH 104 Finite Mathematics
  - MATH 107 Precalculus
  - MATH 165 Analytic Geometry & Calculus I 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) 2 Hrs
  - CIS 170 Intro to Computer Info Systems*

- Wellness
  - HPER 100 Concepts Fitness & Wellness 6 Hrs

- Aesthetic Engagement
  - 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

- Additional General Education 2 Hrs
  - 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 *
  - ECON 202 Principles of Macroeconomics *

Required Courses 49 Hrs
- ACCT 200 Elements of Accounting I
- ACCT 201 Elements of Accounting II
- ACCT 315 Business in the Legal Environment
- ACCT 321 Financial Reporting & Analysis I
- BOTE 314 Business Reports & Communication
- BOTE 336 Business Data Solutions
- BOTE 337 Authoring Digital Publications
- BUSI 491 Senior Portfolio
- CIS 369 Enterprise Systems
- ECON 261 Business Statistics
- FIN 375 Business Finance I
- MGMT 330 Principles of Management
- MGMT 370 Business Ethics
- MGMT 460 International Business
- MGMT 480 Strategic Planning
- MGMT 485 Entrepreneurship
- MKRT 305 Principles of Marketing
- MKRT 207 Managerial Accounting
- CIS 329 Information Systems Management
- FIN 376 Business Finance II
- MGMT 381 Project Management
- MGMT 425 Human Resource Management
- MKRT 370 Advertising & Promotions
- Select one of the following:
  - MKRT 405 Retailing
  - MGMT 350 Quant Analysis & Operations Management
  - MGMT 372 Foundations of Leadership

Electives/Internship 12 Hrs
- Students are strongly encouraged to select a business Internship and/or courses outside the Business and Information Technology Division.

Total General Education 38 Hours
Total Major Requirement 70 Hours
Total Credits Needed to Graduate 120 Hours

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513
Business Administration - Business Process Management Concentration

General Education Requirements

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 Hours
  MATH 103 College Algebra
  MATH 104 Finite Mathematics
  MATH 107 PreCalculus
- MATH 165 Analytic Geometry & Calculus I  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)  2 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 *

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 course

Required Courses  49 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 491 Senior Portfolio  1
CIS 369 Enterprise Systems  3
ECON 261 Business Statistics  3
FIN 375 Business Finance I  3
MGMT 330 Principles of 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

Business Process Management  19 Hrs
- CIS 371 Enterprise Systems II  3
- CIS 380 Systems Analysis and Design  3
- CIS 381 Project Management  3
- CIS 470 CRM & BI  4
- ENGL 420 Online Comm & Documentation  3
- MGMT 350 Quant Analysis & Operations Mgmt  3

Electives/Internship  14 Hrs
- Students are strongly encouraged to select a
  Business Internship and/or courses outside the
  Business and Information Technology Division.

Total General Education  38 Hrs
Total Major Requirement  68 Hrs
Total Credits Needed to Graduate  120 Hrs

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513
Business Administration - Finance Concentration
Composite Major

MAJOR
Business Administration is a versatile bachelor’s degree. Select from concentrations in accounting, business generalist, business process management, finance, management, marketing and human resources—disciplines that form the foundation of any business. A major in Business Administration prepares you for a wide variety of careers, including careers in accounting, banking, management, retail, manufacturing, government, and/or entrepreneurship. Graduates are also excellent candidates for continuing education such as Masters in Business Administration (MBA), other business-related masters programs, a law degree, Certified Public Accounting (CPA) classes, and more.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for life long learning. Students will continually improve knowledge and the ability to apply facts, concepts, theories and analytical methods when compared with students across the nation as measured by a standardized content exam.
3. Students in BIT majors will increase and broaden understanding and capabilities in selecting and applying current 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 Literacy: Use technological tools and processes to improve learning, productivity, and/or performance.

For complete graduation requirements see page 39.

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

Problem Solving 11 Hours
Mathematics (Select one course)
- 3 Hours
- MATH 103 College Algebra
- MATH 104 Finite Mathematics
- MATH 107 Precalculus
- MATH 165 Analytic Geometry & 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) 2 Hours
CIS 170 Intro to Computer Info Systems*

Wellness 2 Hours
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement 6 Hours
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 Hours
ECON 201 Principles of Microeconomics * 3
- ECON 202 Principles of Macroeconomics * 3

Additional General Education 2 Hours
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 course

Required Courses 49 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 491 Senior Portfolio 1
- CIS 369 Enterprise Systems 3
- ECON 261 Business Statistics 3
- FIN 375 Business Finance I 3
- MGMT 330 Principles of 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

Finance 18 Hrs
- ACCT 207 Managerial Accounting 3
- ACCT 322 Financial Reporting & Analysis II 3
- ACCT 355 Federal Taxation 3
- FIN 376 Business Finance II 3
- FIN 380 Principles of Investments 3
- MGMT 350 Quan Analysis & Operations Mgmt 3

Electives/internship 15 Hrs
Students are strongly encouraged to select a business Internship and/or courses outside the Business and Information Technology Division.

Total General Education 38 Hours
Total Major Requirement 67 Hours
Total Credits Needed to Graduate 120 Hours

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513
Business Administration - Human Resources Management Concentration
Composite Major

MAJOR
Business Administration is a versatile bachelor’s degree. Select from concentrations in accounting, business generalist, business process management, finance, management, marketing and human resources—disciplines that form the foundation of any business. A major in Business Administration prepares you for a wide variety of careers, including careers in accounting, banking, management, retail, manufacturing, government, and/or entrepreneurship. Graduates are also excellent candidates for continuing education such as Masters in Business Administration (MBA), other business-related masters programs, a law degree, Certified Public Accounting (CPA) classes, and more.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for life long learning. Students will continually improve knowledge and the ability to apply facts, concepts, theories and analytical methods when compared with students across the nation as measured by a standardized content exam.
3. Students in BIT majors will increase and broaden understanding and capabilities in selecting and applying current 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 Literacy: Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements
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 Hours
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 PreCalculus
MATH 165 Analytic Geometry & 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) 2 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 course Required Courses: 9 -12 Crs

Required Courses 49 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 491 Senior Portfolio 1
CIS 369 Enterprise Systems 3
ECON 261 Business Statistics 3
FIN 375 Business Finance I 3
MGMT 330 Principles of 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 21 Hrs
COMM 304 Corporate Communication 3
COMM 311 Communication & Interview 3
MGMT 350 Quan Anal & Oper Mgmt
-or- MGMT 372 Foundations of Leadership 3
MGMT 425 Human Resource Mgmt 3
MGMT 426 Comp & Benefits Admin 3
MGMT 430 Organizational Behavior 3
SOC 300 Race, Ethnic, & Gender Relations 3

Electives/Internship 12 Hrs
Students are strongly encouraged to select a business Internship and/or courses outside the Business and Information Technology Division.

Total General Education 38 Hours
Total Major Requirement 70 Hours
Total Credits Needed to Graduate 120 Hours

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513

Valley City State University – 65
Business Administration - Management Concentration
Composite Major

MAJOR
Business Administration is a versatile bachelor’s degree. Select from concentrations in accounting, business generalist, business process management, finance, management, marketing and human resources—disciplines that form the foundation of any business. A major in Business Administration prepares you for a wide variety of careers, including careers in accounting, banking, management, retail, manufacturing, government, and/or entrepreneurship. Graduates are also excellent candidates for continuing education such as Masters in Business Administration (MBA), other business-related masters programs, a law degree, Certified Public Accounting (CPA) classes, and more.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for lifelong learning. Students will continually improve knowledge and the ability to apply facts, concepts, theories and analytical methods when compared with students across the nation as measured by a standardized content exam.
3. Students in BIT majors will increase and broaden understanding and capabilities in selecting and applying current 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 Literacy: Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements

<table>
<thead>
<tr>
<th>Communication &amp; Collaboration</th>
<th>9 Hours</th>
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<tbody>
<tr>
<td>ENGL 110 College Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 125 Intro to Professional Wrtg *</td>
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</tbody>
</table>

Problem Solving | 11 Hours
Mathematics (Select one course) | 3 Hours
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Analytic Geometry & 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) | 2 Hours
CIS 170 Intro to Computer Info Systems*

Wellness | 2 Hours
HPER 100 Concepts Fitness & Wellness

Aesthetic Engagement | 6 Hours
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 Hours
ECON 201 Principles of Microeconomics * | 3
ECON 202 Principles of Macroeconomics * | 3

Additional General Education | 2 Hours
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 course

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513

Total General Education | 38 Hrs
Total Major Requirement | 67 Hrs
Total Credits Needed to Graduate | 120 Hrs
Valley City State University ~ 67

Business Administration - Marketing Concentration
Composite Major

MAJOR
Business Administration is a versatile bachelor’s degree. Select from concentrations in accounting, business generalist, business process management, finance, management, marketing and human resources—disciplines that form the foundation of any business. A major in Business Administration prepares you for a wide variety of careers, including careers in accounting, banking, management, retail, manufacturing, government, and/or entrepreneurship. Graduates are also excellent candidates for continuing education such as Masters in Business Administration (MBA), other business-related masters programs, a law degree, Certified Public Accounting (CPA) classes, and more.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for lifelong learning. Students will continually improve knowledge and the ability to apply facts, concepts, theories and analytical methods when compared with students across the nation as measured by a standardized content exam.
3. Students in BIT majors will increase and broaden understanding and capabilities in selecting and applying current 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 Literacy: Use technological tools and processes to improve learning, productivity, and/or performance.

General Education Requirements
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 Hours
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Analytic Geometry & 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)  2 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 course

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513

Required Courses  49 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 491 Senior Portfolio  1
CIS 369 Enterprise Systems  3
ECON 261 Business Statistics  3
FIN 375 Business Finance I  3
MGMT 330 Principles of 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
Marketing  18 Hrs
COMM 314 Public Relations  3
MRKT 319 Web Site Authoring  3
MRKT 370 Advertising and Promotions  3
MRKT 375 Consumer Behavior  3
MRKT 405 Retailing  3
MRKT 415 Marketing Research & Information  3
Electives/Internship  15 Hrs
Students are strongly encouraged to select a Business Internship and/or courses outside the Business and Information Technology Division.
Total General Education  38 Hrs
Total Major Requirement  67 Hrs
Total Credits Needed to Graduate  120 Hrs
MAJOR
The Business Education major prepares you for various teaching positions in junior and senior high school. Valley City State University has a Master of Education (M. Ed.) Degree available for students with an undergraduate Business Education degree. With this additional degree, students are also prepared to teach at the post-secondary level. Graduates with a Business Education major are prepared to teach courses such as keyboarding, accounting, general business, business law, marketing, and computer applications. You may become licensed by the Education Standards and Practices Board to teach Business and Office Technology Education with the option of an additional endorsement in Marketing Education. Graduates are also prepared for careers in the business field as business professionals.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for lifelong learning evidenced by passing subject area exams and gaining teaching licensure.
3. Students in BIT majors will increase and broaden understanding and capabilities with technology selection and application.

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

Business Education

General Education Requirements

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
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<td>Communication &amp; Collaboration</td>
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<td>Technology (Select one course)</td>
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<td>HPER 100 Concepts Fitness &amp; Wellness</td>
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<td>Aesthetic Engagement</td>
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</tr>
</tbody>
</table>

* Required course

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513
Business Education

Composite Major

MAJOR
The Business Education major prepares you for various teaching positions in junior and senior high school. Valley City State University has a Master of Education (M. Ed.) Degree available for students with an undergraduate Business Education degree. With this additional degree, students are also prepared to teach at the post-secondary level. Graduates with a Business Education major are prepared to teach courses such as keyboarding, accounting, general business, business law, marketing, and computer applications. You may become licensed by the Education Standards and Practices Board to teach Business and Office Technology Education with the 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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3. Students in BIT majors will increase and broaden understanding and capabilities with technology selection and application.

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

For complete graduation requirements see page 39.

General Education Requirements

Communication & Collaboration  9 Hours
- ENGL 110 College Composition I  3
- ENGL 125 Intro to Professional Wrng *  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 Analytic Geometry & Calculus I

Lab Science (Select two courses)  8 Hrs
- BIOL 111, 150, 151, 170, 220, 221
- CHEM 115, 116, 121, 122
- GEOG 111
- PHYS 100, 110, 116, 162, 251, 252
- TECH 161

Technology (Select one course)  2 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
- 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 131 (1), MUS 141 (1), THEA 201 (1-3)
  * Required course

Required Courses  39 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 Office Management  3
- BOTE 314 Business Reports & Comm  3
- BOTE 336 Business Data Solutions  3
- BOTE 337 Authoring Digital Publications  3
- BVED 390 Methods & Materials
- Teaching Business Subject  3
- MGMT 330 Principles of Management  3
- MGMT 485 Entrepreneurship  3
- MRKT 305 Principles of Marketing  3
- MRKT 319 Web Site Authoring  3

Students are strongly encouraged to enroll in BUSI 491 or CIS 491 Senior Portfolio

Directed Electives  12 Hrs
- ACCT 322 Financial Report & Analysis II  3
- BVED 431 Hist, Phil, & Pract of CTE  3
- BVED 432 Coord Coop Educ Learning  2
- BVED 434 Ldrshp Career/Tech Ed  2
- CIS 369 Enterprise Systems  3
- ECON 261 Business Statistics  3
- FIN 375 Business Finance I  3
- MGMT 425 Human Resources Mgmt  3
- MGMT 460 International Business  3
- MRKT 370 Advertising and Promotions  3
- MRKT 405 Retailing  3

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 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 the same semester.

Total General Education  38 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 Process Integration Management

### Composite Major

**MAJOR**
The Business Process Integration Management major focuses on business processes and advanced enterprise systems while providing a grounding in the workplace “soft skills” of communication and collaboration. This program will integrate coursework in three core areas: Business Process Integration, Professional Communication, and Business Administration. The BPIM major was designed to attract nontraditional IT majors and business majors interested in technology, to meet the needs of employers in the region, and to provide benefit to distance learners from other areas. The BPIM major focuses on building the communication, problem-solving, business collaboration and technical skills required of employers with a focus on business processes and advancing enterprise systems to ensure students are well-prepared to enter the growing IT and business workforce.

### Learning Outcomes

1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
2. Students will form a strong foundation for life-long learning evidenced by passing subject area exams and gaining teaching licensure.
3. Students in BIT majors will increase and broaden understanding and capabilities with technology selection and application.

### 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.

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### General Education Requirements

#### Communication & Collaboration

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<tr>
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</tr>
</tbody>
</table>

**Problem Solving** 11 Hrs

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

- MATH 103 College Algebra
- MATH 104 Finite Mathematics
- MATH 107 Precalculus
- MATH 165 Analytic Geometry & Calculus I

**Lab Science (Select two courses)** 8 Hrs

- BIOL 111, 150, 151, 170, 220, 221
- CHEM 115, 116, 121, 122
- GEO 100, 106
- PHYS 100, 110, 161, 162, 251, 252
- TECH 161

**Technology (Select one course)** 2 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

- HUM 202, 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 (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 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 course

### Required Courses

#### 56 Hours

**Business Core**

- ACCT 200 Elements of Accounting I 3
- ACCT 201 Elements of Accounting II 3
- BOTE 336 Business Data Solutions 3
- BUSI 491 Senior Portfolio 1
- ECON 261 Business Statistics 3
- FIN 375 Business Finance I 3
- MGMT 330 Principles of Management 3
- MGMT 381 Project Management 3

**Computer Information Systems**

- CIS 329 Information Systems Management 3
- CIS 369 Enterprise Systems I 3
- CIS 371 Enterprise Systems II 3
- CIS 380 Systems Analysis and Design 3
- CIS 470 CRM and BI 4

**Communication**

- COMM 304 Corporate Communication 3
- COMM 315 Digital Communication 3
- COMM 360 Group Dynamics 3
- COMM 483 Organizational Communication 3
- ENGL 420 Online Communication & Doc 3

**Directed Electives** 15 Hrs

- CIS 207 Managerial Accounting 3
- CIS 475 Integration of Business Processes in SAP ERP 6
- MGMT 350 Quantitative Analysis & Operations Management 3
- MGMT 370 Business Ethics 3
- MGMT 372 Foundations of Leadership 3
- MGMT 425 Human Resource Management 3
- MGMT 430 Organizational Behavior 3
- MGMT 460 International Business 3
- MGMT 480 Strategic Planning 3
- MKRT 415 Market Research & Information 3

**Internship**

- BUSI 497 Internship 3-12

At least 3 credits of internship are required.

### Total General Education 38 Hrs

### Total Major Requirement 74 Hrs

### Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.

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**Department Chair:**
Brenda Finger D.M.
McFarland 128
701-845-7513
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. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted.
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For complete graduation requirements see page 39.

General Education Requirements
Communication & Collaboration 9 Hrs
- ENGL 110 College Composition I 3
- ENGL 120 College Composition II 3
- or- ENGL 125 Intro to Professional Wrting 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 Analytic Geometry & 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 - 2 crs (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
- 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
- HUM 201 Civil, Thought, & Lit Heritage
- PSYC 110 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 131 (1), MUS 141 (1), THEA 201 (1-3)

Required Courses 13 Hrs
- BVED 431 Hist, Phil, & Pract
- of Career & Tech Ed 3
- BVED 432 Coord Cooperative Educ Lrng 2
- BVED 434 Leadership in CTE Student Org 2
- BVED 437 Stu Perfm Eval in Career & Tech Ed 2
- BVED 438 Dev & Mng Compt Bsd Instr Mtls 2
- BVED 490 Meth for Tchg Car & Tech Ed Subj 2

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 Rdg 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 38 Hrs
Total Major Requirement 49-68 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
**Career and Technical Education**

**Composite Major**

**MAJOR**

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For complete graduation requirements see page 39.

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**General Education Requirements**

**Communication & Collaboration** 9 Hours

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**Problem Solving** 11 Hrs

Mathematics - 3 crs (Select one course)

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**Technology - 2 crs (Select one course)**

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<td>CSCI 127 Intro Java; CSCI 160 Introdu Struc</td>
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**Wellness** 2 Hrs

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**Aesthetic Engagement** 6 Hrs

**Literacies - 3 crs (Select one course)**

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</tr>
<tr>
<td>ART 110 Introduction to Visual Arts</td>
<td></td>
</tr>
<tr>
<td>HUM 202 Fine Arts &amp; Aesthetics</td>
<td></td>
</tr>
<tr>
<td>MUS 100 Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>MUS 101 Music Fundamentals</td>
<td></td>
</tr>
<tr>
<td>MUS 207 History of Rock’n’Roll</td>
<td></td>
</tr>
</tbody>
</table>

**Global Awareness & Effective Citizen** 6 Hrs

**Select two courses**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 112 Under Media; COMM 114 Human ECON 201 Prin Micro; ECON 202 Prin Macro</td>
<td></td>
</tr>
<tr>
<td>GEOG 151 Human Geog</td>
<td></td>
</tr>
<tr>
<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
<td></td>
</tr>
<tr>
<td>POLS 115 Amer Gov; POLS 116 State Gov</td>
<td></td>
</tr>
<tr>
<td>PSYC 111 Introy Psy</td>
<td></td>
</tr>
<tr>
<td>SOC 110 Intro to Soc; SOC 111 Intro Anthro</td>
<td></td>
</tr>
</tbody>
</table>

**Additional General Education** 2 Hrs

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

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
<td></td>
</tr>
</tbody>
</table>

* Required course

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**Required Technical Specialty** 36-50 Hours

Students who 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. Student are strongly encouraged to enroll in CIS 491 Senior Portfolio in their last year of coursework.

**Option 1 Teaching Option** 13 Hrs

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BVED 431 Hist, Phil, &amp; Pract of CTE</td>
<td>3</td>
</tr>
<tr>
<td>BVED 432 Coord Cooperative Ed Lrng</td>
<td>2</td>
</tr>
<tr>
<td>BVED 434 Leadership CTE Student Org</td>
<td>2</td>
</tr>
<tr>
<td>BVED 437 Student Perform Eval in CTE</td>
<td>2</td>
</tr>
<tr>
<td>BVED 438 Dev &amp; Mng Comp Base Instr Mtl</td>
<td>2</td>
</tr>
<tr>
<td>BVED 490 Meth For Tchg CTE Sub</td>
<td>2</td>
</tr>
</tbody>
</table>

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** 30 Hrs

<table>
<thead>
<tr>
<th>Course Title</th>
<th>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>MGMT 330 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 370 Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 381 Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 430 Organizational Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 6 credits from the following courses:

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 315 Business in the Legal Environ</td>
<td>3</td>
</tr>
<tr>
<td>COMM 216 Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 304 Corporate Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 311 Communication &amp; Interviewing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 312 Gender Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 314 Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 360 Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 380 Principles of Investments</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 305 Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 370 Advertising and Promotions</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 415 Market Research &amp; Info</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 425 Human Resource Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 426 Comp &amp; Benefits Admin</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total General Education** 38 Hrs

**Total Major Requirement** 49-80 Hrs

**Total Credits Needed to Graduate** 120 Hrs

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**Department Chair:**
Brenda Finger D.M.
McFarland 128
701-845-7513
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
1. 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.

Chemistry

Department Chair:
Joe Stickler Ph.D
Rhoades Science Center 302
701-845-7334

General Education Requirements 38-40 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

Problem Solving 11-13 Hrs
Mathematics - 3 crs (Select one course)
MATH 165 Analytic Geometry & Calc I* 3
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 *

Technology 2 Hrs
(Select one course)
CIS 170 Intro to Computer Info Systems
CSCI 127 Intro Java; CSCI 160 Intro Struc
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 Psys
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 28 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

Directed Electives 8 Hrs
CHEM 116 Intro to Organic & Biochem 5
-OR- CHEM 260 Elements of Biochemistry 4
CHEM 331 Quantitative Analysis 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-

BA Language/Cultural Studies 16 hrs

BS Related Field
Total General Education 38-40 Hrs
Total Major Requirement 36 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.
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. 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.

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### General Education Requirements 38-40 Hours

<table>
<thead>
<tr>
<th>Requirement</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></td>
</tr>
<tr>
<td>ENGL 120 College Composition II</td>
<td></td>
</tr>
<tr>
<td>-OR- 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 11-13 Hrs

- Mathematics - 3 crs (Select one course)
- Lab Science - 8-10 crs (Select two courses)
- PHYS 161 Intro College Physics I* & PHYS 162 Intro College Physics II *
- PHYS 251/L University Physics I/Lab * & 4/1
- PHYS 252/L University Physics II/Lab * 4/1

### Technology 2 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 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 131 (1), MUS 141 (1), THEA 201 (1-3)

*Required course

**Required Courses 44-45 Hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 150 General Biology</td>
<td>4</td>
</tr>
<tr>
<td>-OR- BIOL 151 General Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 116 Intro to Organic &amp; Biochem</td>
<td>5</td>
</tr>
<tr>
<td>-OR- CHEM 260 Elements of Biochemistry</td>
<td>4</td>
</tr>
<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>
<tr>
<td>CHEM 342 Organic Chemistry</td>
<td>5</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 421 Physical Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 490 Secondary Science</td>
<td>3</td>
</tr>
<tr>
<td>Method &amp; Tech</td>
<td></td>
</tr>
<tr>
<td>GEOL 100 Introduction to Earth Science</td>
<td>4</td>
</tr>
</tbody>
</table>

### Directed Electives 3 Hrs

- CHEM 331 Quantitative Analysis           | 4     |
- CHEM 412 Physical Chemistry              | 3     |
- CHEM 422 Physical Chemistry Lab          | 1     |
- CHEM x94 Ind Study/Undergrad Research    | 1-4   |

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 31-32 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<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 Understanding Cult</td>
<td>3</td>
</tr>
<tr>
<td>Div in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300 Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 351 Sec Practicum &amp; Classroom 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 the ELL Classroom</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 375 Tchg Rdg 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; Educ Issues</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 480 Student Teaching (Secondary)</td>
<td>10**</td>
</tr>
<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Courses to be taken the same semester**

For complete graduation requirements see page 39.

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**Department Chair:**
Joe Stickler Ph.D
Rhoades Science Center 302
701-845-7334
Computer Information Systems
Composite Major

MAJOR
The Computer Information Systems major prepares students with a foundation in business and the 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 meets IS2010 standards.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen degree. Students who wish to pursue further education will be prepared to successfully complete the program to which they are accepted. Students will develop marketable skills.
2. Students will form a strong foundation for life-long learning. CIS students will demonstrate advanced knowledge of complex technology integration through successful capstone project completion.
3. Students in BIT majors will increase and broaden understanding and capabilities with technology selection and application.

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

General Education Requirements
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 Analytic Geometry & 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) 2 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, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 202 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 131 (1), MUS 141 (1), THEA 201 (1-3)
* Required course

For complete graduation requirements see page 39.
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 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 42 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 2 Hrs

(Select one course)

- CIS 170 Intro to Computer Info Systems
- CSCI 127 Intro Java; CSCI 160 Intro Struct

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

Problem Solving 15 Hrs

Mathematics (select one course) 3 Hrs

- MATH 103 College Algebra
- MATH 104 Finite Mathematics
- MATH 107 Precalculus
- MATH 165 Analytic Geometry & Calculus I

Lab Science - 12 crs

- Biology *
- Geology *
- Chemistry *
- or Physics *

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

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

For complete graduation requirements see page 39.

Dean:

Gary Thompson Ed.D.
McFarland Hall 326A
701-845-7179

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional Education Sequence 36-37 Hrs</td>
<td></td>
</tr>
<tr>
<td>EDUC 240 Educating Exceptional Stdtnts</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 250 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 283 Understndng Cdv Div in Educ</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300 Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 321 Found of Reading Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 330 Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 352 Culturally Diverse Practicum</td>
<td>1</td>
</tr>
</tbody>
</table>
- 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 I       | 2     |
| PSYC 250 Developmental Psychology       | 3     |

Required Courses 22 Hrs

- EDUC 210 Creative Activities 2
- EDUC 315 Mathematics in the Elem Sch 2
- EDUC 320 Social Studies in the Elem Sch 3
- EDUC 322 Methods of Lang Arts Instruct 2
- EDUC 323 Methods of Rdng in Elem Sch 2
- EDUC 350 Elem Practicum & Csrn Man 2
- EDUC 355 Science Mthds for Elem Tchr 3
- GEOG 111 Survey of Geography 2
- MATH 277 Math for Elem Teachers I 3

Directed Electives 6-8 Hrs

- ART/EDUC 230 Craft Activities 2
- MUS/EDUC 290 Music Activities for Elem Tchr 2
- EDUC 305 Phil & Curr of Middle Educ 3
- EDUC 310 Intro to Early Childhood 3
- EDUC 313 Language & Literacy in ECE 2
- EDUC 340 Learning Disabilities 2
- EDUC 345 Emotionally Disturbed Child 2
- EDUC 375 Tchng Rdng in Content Area 2
- EDUC 390 Methods of Teaching ELL 2
- EDUC 430 Diag & Corr of Rdng Difficult 2
- EDUC 431 Pract in Corrective Reading 2
- EDUC 435 Kindergarten Educ & Curr 4
- EDUC 470 Mthds of Tchng in Mid Sch 3
- HPER 210 First Aid & CPR 2
- STEM ED 306 Inven & Innov - Tech Ed Child 2
- STEM ED 306L Inven & Innov - Tech Ed Child Lab 2
- STEM ED 310 Design Tech & Eng Elementary 2
- STEM ED 310L Design Tech & Eng Elementary Lab 2
- STEM ED 355 STEM Curric & Methods Elem 3

***Special Program Requirement:

In addition to the General Education and major requirements, each Elementary Education major is required to have second major, minor, endorsement, certificate, or credential.

Exceptions to this requirement must be approved by the Dean.

Total General Education 42 Hrs

Total Major Requirement 84-67 Hrs

Total Professional Ed Sequence 31-32 Hrs

Total Credits Needed to Graduate 120 Hrs
The English curriculum develops skills in writing, literary criticism, research and technology, and global awareness. English provides a background that can lead to a wide variety of careers in both the public and private sectors. Some areas especially suited to English majors include administration/management, sales, public relations, advertising, publishing, and communication. The English major is often used in combinations with other majors and minors for more specialized career preparation and also as a basis for further professional study. Continued education may lead to various careers such as a lawyer, counselor, and college administrator. The program is designed to prepare creative, knowledgeable, skilled classroom teachers to teach the breadth of topics commonly associated with English: writing, speaking, listening, reading, literature, theatre, and communication.

Learning Outcomes
1. Insuring that students possess the academic and creative writing skills essential to college 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 38 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 2 Hrs
CIS 170 Intro to Computer Info Systems 3
CSCI 127 Intro Java; CSCI 160 Intro CIS 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 3
SPAN 202 2nd Yr If; SPAN 202 2nd Yr II 3
THEA 110 Intro Theatre; THEA 161 Acting I 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 Analytic Geometry & Calculus I 3
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 Conn; ECON 201 Prin of Micro; ECON 202 Prin of Macro; GEOG 151 Human Geography 3
HIST 103, 104, 211, 212, 260, 267, 270 3
POLS 115 Amer Gov’t; POLS 116 State Gov’t 3
PSYC 111 Intro to Psychology 3
SOCI 110 Intro to Soc; SOCI 111 Intro to Anthro 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 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
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 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 3
ENGL 305 Writing Workshop 3
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

For complete graduation requirements see page 39.

Department Chair:
Shannon VanHorn Ph.D
McFarland 204
701-845-7471
English Education

MAJOR
English Education prepares students for language arts teaching positions in junior and senior high schools. The English curriculum develops skills in writing, literary criticism, research and technology, and global awareness. These abilities will assist you as you communicate course content to students at the secondary level or pursue other, related professional careers. Many opportunities exist for extending the English curriculum beyond the classroom. English majors often provide much needed expertise in a variety of campus functions, including working as student tutors for The Writing Center, writing and editing press releases for the Viking Sports News, and working with numerous other student and campus publications and productions, including the Festival of One-Act Plays organized by the theater department, which features original student work each spring. At VCSU you may also take lead roles in publishing and writing for the campus newspaper, the Viking News, and contribute heavily, as both writers and editors, to the success of The Forge, VCSU’s literary and art magazine publishing original student poetry, drama, fiction and non-fiction. The emphasis on effective teaching, innovative practices, performance assessments, and state-of-the-art technology applications makes the VCSU English education major the most dynamic in the state.

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. ENGL 125 if taken as a General Education Studies course, it will not fulfill one of the writing course menu options.

For complete graduation requirements see page 39.

Department Chair:
Shannon VanHorn Ph.D
McFarland 204
701-845-7471

General Education Requirements 38 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 2 Hrs
CIS 170 Intro to Computer Info Systems 3 Hrs
CSCI 127 Intro Java; CSCI 160 Intro CIS 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 Analytic Geometry & Calculus I 3
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 Conn
ECON 201 Prin of Micro; ECON 202 Prin of Macro
GEOG 151 Human Geography
HIST 103, 104, 211, 212, 260, 267, 270
POLIS 115 Amer Gov’t; POLS 116 State Gov’t
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 21 Hours
ENGL 271 Literary Analysis I 3
ENGL 300 Grammatical Analysis 3
ENGL 309 Linguistics & Language Acquisition 3
ENGL 310 Advanced Composition 3
ENGL 350 Young Adult Reading and Lit 3
ENGL 480 Shakespeare 3
ENGL 490 Methods Teaching Comm Arts 3

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 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 & Educ Issues 2
EDUC 480 Student Teaching (Secondary) 2

Psych 250 Developmental Psychology 3
**Courses to be taken the same semester

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
COMM 200 Introduction to Media Writing 3
COMM 314 Public Relations 3
ENGL 125 intro to Professional Writing 3
ENGL 305 Writing Workshop 1
ENGL 330 Creative Writing 3
ENGL 410 Technical & Scientific Writing 3

Communication and Media Studies 3 Hrs
COMM 112 Understand Media Soc Chng 3
COMM 211 Oral Interpretation 3
ENGL 225 Introduction to Film 3
THEA 161 Acting I 3

Total General Education 38 Hrs
Total Major Requirement 40 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs
Exercise Science and Leisure Studies - Exercise Science Concentration A
Composite Major

MAJOR
The program of study in Exercise Science seeks to develop knowledge about the profession of Exercise Science and to encourage you toward acquiring subject matter knowledge in the field. The curriculum at VCSU prepares you academically to assume a knowledge base appropriate for advanced studies in the Exercise Science and related fields. Students who complete this program of study will be prepared to enter graduate studies in such fields as: Exercise Physiology, Sport Biomechanics, Athletic Training, Motor Learning, Nutrition, and Physical Therapy.

Learning Outcomes
1. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
4. The Department of Health and Physical Education, through its general education offering, will demonstrate knowledge of the importance of lifetime physical fitness and healthy behavioral decisions.

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

For complete graduation requirements see page 39.

Department Chair:
Sharon McCarriar Ed.D.
Graichen Gymnasium 002
701-845-7168

General Education Requirements 38 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

Technology 2 Hrs
CIS 170 Intro to Computer Info Systems 2
CSCI 127 Intro Java; CSCI 160 Intro Struct 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 Analytic Geometry & Calculus I

Science (select two courses) 8 Hrs
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

Global Awareness & Effective Citizenship 6 Hrs

SOC 110 Intro to Sociology*
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
PSCI 115 Amer Gov; PSCI 116 State Gov
PSYC 111 Introduction to Psych
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

Required Courses 14 Hours
HPER 207 Prevent & Care of Athletic Inj 2
HPER 208 Introduction to Physical Ed 2
HPER 209 Sport Nutrition Concepts 2
HPER 210 First Aid & CPR 1
HPER 300 Drug Education 2
HPER 350 Sport Ethics 2
HPER 440 Adapted Physical Education 2
HPER 491 Senior Portfolio 1

Concentration A - Exercise Science 37 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 2
HPER 400 Issues and Trends in Comm. Health 2
MATH 321 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 38 Hrs
Total Major Requirement 79 Hrs
Total Credits Needed to Graduate 120 Hrs
Exercise Science and Leisure Studies - Sport Management Concentration B

Composite Major

MAJOR
Exercise Science and Leisure Studies (Sport and Leisure Management Concentration) is primarily designed to prepare you for careers in the recreation and leisure industry. The program of study in Sport and Leisure Management aims to develop an understanding of the concepts and theories of leisure behavior and their application to the planning and management of sport and leisure services. You will acquire the skills needed to develop the concept of creative use of leisure in society; to respond, as leisure professional, to the needs, wants and motivations of individuals, communities and society as a whole; to design, implement and evaluate leisure services to meet these needs; and to administer and manage the organization that provides leisure services.

Learning Outcomes
1. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
4. The Department of Health and Physical Education, through its general education offering, will demonstrate knowledge of the importance of lifetime physical fitness and healthy behavioral decisions.

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

For complete graduation requirements see page 39.

Department Chair:
Sharon McCarriar Ed.D.
Graichen Gymnasium 002
701-845-7168

General Education Requirements 38 Hours

Communication & Collaboration 9 Hrs
ENGL 110 College Composition I
ENGL 125 Intro to Professional Wrting* 
COMM 110 Fund of Public Speaking 
COMM 212 Interpersonal Comm 
or COMM 216 Intercultural Comm

Problem Solving 11 Hrs
Mathematics - 3 hrs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Analytic Geometry & Calculus I
Lab Science - 8 hrs (Select two courses)
BIOL 111 Concepts of Biology
-or- CHEM 115 Introductory Chemistry
-or- BIOL 150 General Biology
GEOG 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 2 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 hrs (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 hrs (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)
SOC 110 Introduction to Sociology *
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 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 course

Required Courses 14 Hours

HPER 207 Prevent & Care of Athletic Injur 2
HPER 208 Introduction to Physical Ed 2
HPER 209 Sport Nutrition Concepts 2
HPER 210 First Aid & CPR - 1
HPER 300 Drug Education 2
HPER 350 Sport Ethics 2
HPER 440 Adapted Physical Education 2
HPER 491 Senior Portfolio 1

Concentration B - Sport Management 25-27 Hrs

Required Courses:
ACCT 200 Elements of Accounting I 3
BOTE 336 Business Data Solutions 3
COMM 212 Interpersonal Communication 3
HPER 361 Ins & Org of Team Activities 2
HPER 390 Fit Assessment/ Exer Prescript 2
HPER 410 Administration of Health & PE 2
HPER 420 Rec & Leisure in Mod Society 2
HPER 487 Field Experience Practicum 2-4
MGMT 330 Principles of Management 3
MRKT 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 400 Current Issues in Comm Health 2
HPER 425 Soc/Pency Aspect of Sport & PE 2
HPER 499 Special Topics 1-4
COMM/PSYCH/SOC 360 Group Dynamics 3
PSYC 250 Developmental Psychology 3
PSYC 410 Mental Health 3
PSYC/SOC 350 Social Psychology 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
MRKT 319 Website Authoring 3
MRKT 370 Advertising & Promotions 3
MRKT 405 Retail Management 3

Total General Education 38 Hrs
Total Major Requirement 66 - 68 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 (Sport and Wellness 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 Sport and Wellness 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. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
4. The Department of Health and Physical Education, through its general education offering, will demonstrate knowledge of the importance of lifetime physical fitness and healthy behavioral decisions.

#### 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 Literacy:**
Use technological tools and processes to improve learning, productivity, and/or performance.

For complete graduation requirements see page 39.

#### Department Chair:
Sharon McCarriar Ed.D.
Graichen Gymnasium 002
701-845-7168

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<tr>
<th>General Education Requirements</th>
<th>38 Hours</th>
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<td>Communication &amp; Collaboration</td>
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<td>Lab Science - 8 crs (Select two courses)</td>
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<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 Courses

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<tr>
<td>HPER 207 Prevent &amp; Care of Athletic Inj</td>
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<tr>
<td>HPER 208 Introduction to Physical Ed</td>
<td>2</td>
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<tr>
<td>HPER 209 Sport Nutrition Concepts</td>
<td>2</td>
</tr>
<tr>
<td>HPER 210 First Aid &amp; CPR</td>
<td>1</td>
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<tr>
<td>HPER 300 Drug Education</td>
<td>2</td>
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<td>HPER 350 Sport Ethics</td>
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<td>HPER 440 Adapted Physical Education</td>
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<td>HPER 491 Senior Portfolio</td>
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**Concentration C - Sport & Wellness**

#### Required Courses:

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<tbody>
<tr>
<td>BOTE 314 Business Reports &amp; Comm</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>HPER 109 Exercise Techniques &amp; Prog Design</td>
<td>3</td>
</tr>
<tr>
<td>COMM 212 Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>HPER 361 Ins &amp; Org of Team Activities</td>
<td>2</td>
</tr>
<tr>
<td>HPER 380 Human Sexuality</td>
<td>3</td>
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<tr>
<td>HPER 400 Current Issues in Comm Hlth</td>
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<tr>
<td>HPER 420 Rec &amp; Leisure in Mod Society</td>
<td>2</td>
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<tr>
<td>HPER 425 Soc/Pysch Aspect of Sport &amp; PE</td>
<td>2</td>
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<tr>
<td>HPER 487 Field Experience Practicum</td>
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#### Directed Electives

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<tr>
<td>HPER 315 Elements of Health</td>
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<td>HPER 325 Elementary Physical Education</td>
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<tr>
<td>HPER 360 Ins &amp; Org of Ind/Dual Activities</td>
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<tr>
<td>HPER 338 Modern Sports Officiating</td>
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<tr>
<td>HPER 301 Phil &amp; App of Football Coaching</td>
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<tr>
<td>HPER 302 Phil &amp; App of Basketball Coaching</td>
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<tr>
<td>HPER 303 Phil &amp; App of Volleyball Coaching</td>
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<tr>
<td>HPER 304 Phil &amp; App of Baseball/Softball Coaching</td>
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<tr>
<td>HPER 305 Phil &amp; App of Track &amp; Field Coaching</td>
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<tr>
<td>HPER 258 Applied Anat, Phys, &amp; Human Performance</td>
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<td>HPER 259 Applied Anat, Phys, &amp; Human Performance</td>
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#### Total General Education

<table>
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#### Total Major Requirement

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#### Total Credits Needed to Graduate

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<th>Total Credits Needed to Graduate</th>
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Exercise Science and Leisure Studies - Strength & Conditioning Specialist - D

Composite Major

Major
This program is designed to prepare students for a career in the strength and conditioning field.

Learning Outcomes
1. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
4. The Department of Health and Physical Education, through its general education offering, will demonstrate knowledge of the importance of lifetime physical fitness and healthy behavioral decisions.

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

General Education Requirements 38 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 Analytic Geometry & 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 2 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 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 131 (1), MUS 141 (1), THEA 201 (1-3)
*Required

Required Courses 14 Hours
HPER 207 Prevent & Care of Athletic Inj 2
HPER 208 Introduction to Physical Ed 2
HPER 209 Sport Nutrition Concepts 2
HPER 210 First Aid & CPR 1
HPER 300 Drug Education 2
HPER 350 Sport Ethics 2
HPER 440 Adapted Physical Education 2
HPER 491 Senior Portfolio 1

Concentration D - Strength & Conditioning 46-48 Hrs

Required Courses:
HPER 109 Exercise Techniques & Program Design
HPER 258 Applied Anat/Phys/Hum Perf
HPER 259 Applied Anat/Phys/Hum Perf
HPER 390 Fit Assessment/Ex Presc
HPER 410 Admin of H,PE,& Sport
HPER 444 ExPhys of Peak Performance
HPER 405 Advanced Topics in Strength and Conditioning
ACCT 200 Elements of Accounting I
ACCT 201 Elements of Accounting II
MGMT 330 Principles of Mgmt
BOTE 336 Business Data Solutions
COMM 212 Interpersonal Communications
COMM 312 Gender Relations
COMM 314 Public Relations
COMM 360 Group Dynamics

Total General Education 38 Hrs
Total Major Requirement 60-62 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.

Department Chair:
Sharon McCarrar Ed.D.
Graichen Gymnasium 002
701-845-7168
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
1. 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.

For complete graduation requirements see page 39.

Department Chair:
Joe Stickler Ph.D
Rhoades Science Center 302
701-845-7334

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>Communication &amp; Collaboration</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>
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</tr>
<tr>
<td>or COMM 212 Interpersonal Comm</td>
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<tr>
<td>COMM 216 Intercultural Comm</td>
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Problem Solving

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<thead>
<tr>
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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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<td>MATH 104 Finite Mathematics</td>
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<td>MATH 107 Precalculus</td>
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<td>MATH 165 Analytic Geometry &amp; Calculus I</td>
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<tr>
<td>Lab Science - 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>
<td>CHEM 121 General Chemistry *</td>
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Technology

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<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
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<tr>
<td>CSCI 127 Intro Java; CSCI 160 Intro Struc</td>
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<tr>
<td>HPER 100 Concepts Fitness &amp; Wellness</td>
<td>2 Hrs</td>
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Wellness

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<tr>
<th>Course</th>
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<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>
<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>
<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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<tr>
<td>HUM 202 Fine Arts &amp; Aesthetics</td>
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<tr>
<td>MUS 100 Music Appreciation</td>
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<td>MUS 101 Music Fundamentals</td>
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<tr>
<td>MUS 207 History of Rock’n’Roll</td>
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Aesthetic Engagement

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro GEG 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</td>
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Global Awareness & Effective Citizen

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<th>Hours</th>
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<td>COMM 112 Under Media; COMM 114 Human; ECON 201 Prin Micro; ECON 202 Prin Macro GEG 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</td>
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<th>Course</th>
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Required Courses

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<tr>
<td>BIOL 121 Intro to Fish &amp; Wildlife Sciences</td>
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<tr>
<td>BIOL 122 Fisheries &amp; Wildlife Techniques</td>
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<tr>
<td>BIOL 150 General Biology</td>
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<tr>
<td>BIOL 151 General Biology</td>
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<td>BIOL 170 General Zoology</td>
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<td>BIOL 311 Botany</td>
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<td>BIOL 360 Environ Law &amp; Regulations</td>
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<td>BIOL 375 Conservation Biology</td>
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<td>BIOL 430 Hum Dimen in Fish &amp; Wildlife</td>
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<td>BIOL440 Biostatistics and</td>
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<td>Experimental Design</td>
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<td>CHEM 122 General Chemistry</td>
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<td>MATH 146 Applied Calculus I</td>
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<td>ENGL 410 Professional Writing</td>
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<tr>
<td>or COMM 200 Intro to Media Writing</td>
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<td>or COMM 314 Public Relations</td>
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Students must complete required courses as listed above and the course work listed under Concentration A and/or B

Concentration

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<tr>
<td>Concentration A - Fisheries Focus</td>
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<tr>
<td>BIOL 347 Aquatic Entomology</td>
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<td>BIOL 367 Ichthyology</td>
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<td>BIOL 412 Fisheries Management</td>
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<tr>
<td>BIOL 470 Limnology</td>
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<tr>
<td>Electives</td>
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<td>BIOL 315 Genetics</td>
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<td>BIOL 410 Field Ecology</td>
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<td>BIOL 455 Introduction to GIS</td>
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<td>GEOL 300 Environmental Earth Science</td>
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<td>ENVT 270 Water Res Mgmt (DCB)</td>
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<td>BIOL 497 Internship</td>
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<td>Concentration B - Wildlife Focus</td>
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<td>RNG 236 Intro to Range Mgmt (DCB)</td>
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<td>BIOL 312 Botany (DCB)</td>
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<td>BIOL 343 Ornithology</td>
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<td>BIOL 355 Mammalogy</td>
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<td>BIOL 410 Field Ecology</td>
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Total General Education

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Total Major Requirement

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Total Credits Needed to Graduate

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Valley City State University – 83
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 and to initiate health programs with school systems. 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. A degree in this field has led students to differing jobs relating to the health field.

Learning Outcomes
1. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
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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 Literacy:
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For complete graduation requirements see page 39.

Department Chair:
Sharon McCarrar Ed.D.
Graichen Gymnasium 002
701-845-7168

General Education Requirements

Communication & Collaboration

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<td>ENGL 120 College Composition II</td>
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<td>or ENGL 125 Intro to Professional Wrtg</td>
<td>3</td>
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<tr>
<td>COMM 110 Fund of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or 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>
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<tr>
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</tr>
<tr>
<td>MATH 104 Finite Mathematics</td>
<td>3</td>
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<tr>
<td>MATH 107 Precalculus</td>
<td>3</td>
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<tr>
<td>MATH 165 Analytic Geometry &amp; Calculus I</td>
<td>3</td>
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<tr>
<td>Lab Science - 8 crs (Select two courses)</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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<tr>
<td>TECH 161</td>
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Technology

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<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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Wellness

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

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<thead>
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<th>Course</th>
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<tr>
<td>Literacies - 3 crs (Select one course)</td>
<td>3</td>
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<tr>
<td>ENGL 220, 225, 241, 245, 261, 262</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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<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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</table>

Global Awareness & Effective Citizen

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>COMM 112 Under Media; COMM 114 Human</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201 Prin Micro; ECON 202 Prin Macro</td>
<td>3</td>
</tr>
<tr>
<td>GEGG 151 Human Geog</td>
<td>3</td>
</tr>
<tr>
<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
<td>5</td>
</tr>
<tr>
<td>POLS 115 Amer Gov; POLS 116 State Gov</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 116 Intro Psyc</td>
<td>3</td>
</tr>
<tr>
<td>SOC 110 Intro to Soc; SOC 111 Intro Anthro</td>
<td>3</td>
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</tbody>
</table>

Additional General Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Select one additional course from the area of Aesthetic Engagement or Global Awareness</td>
<td>3</td>
</tr>
<tr>
<td>or ART 112 (3), ART 231 (3), ART 281 (3), GEGG 111 (2), MUS 131 (1), MUS 141 (1), THEA 201 (1-3)</td>
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</tbody>
</table>

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 220 Human Anat &amp; Physiology</td>
<td>4</td>
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<tr>
<td>BIOL 221 Human Anat &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HPER 210 First Aid &amp; CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPER 300 Drug Education &amp; Information</td>
<td>2</td>
</tr>
<tr>
<td>HPER 315 Elements of Health</td>
<td>3</td>
</tr>
<tr>
<td>HPER 380 Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HPER 400 Current Issues in Comm Hlth</td>
<td>2</td>
</tr>
<tr>
<td>HPER 410 Admin of Hlth, PE, &amp; Athletics</td>
<td>2</td>
</tr>
<tr>
<td>HPER 490A Meth, Curric &amp; Assess of HPE</td>
<td>4</td>
</tr>
<tr>
<td>HPER 490B Pract Appl of Method in HPE</td>
<td>2</td>
</tr>
<tr>
<td>HPER 491 Senior Portfolio</td>
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<tr>
<td>PSYC 410 Mental Health</td>
<td>3</td>
</tr>
<tr>
<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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BIOL 310 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 315 Genetics</td>
<td>4</td>
</tr>
<tr>
<td>HPER 207 Prevent &amp; Care of Ath Injur</td>
<td>2</td>
</tr>
<tr>
<td>HPER 440 Adapted Physical Education</td>
<td>2</td>
</tr>
<tr>
<td>MATH 321 Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 370 Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 385 Intro to Gerontology</td>
<td>3</td>
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<tr>
<td>HPER 209 Sport Nutrition Concepts</td>
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</table>

Professional Education Sequence

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 240 Educating Exceptional Studnts</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 250 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 283 Understing Cult Div in Educ</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300 Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 352 Culturally Diverse Practicum</td>
<td>2</td>
</tr>
<tr>
<td>or EDUC 464 Pract in ELL Classroom</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 351 Sec Practicum &amp; Clsmr Mngt</td>
<td>3</td>
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<tr>
<td>EDUC 375 Tchrg Rdg in 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; Educ Issues</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 480 Student Teaching (Sec)</td>
<td>10**</td>
</tr>
<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 | 38 Hrs
Total Major Requirement | 35-37 Hrs
Total Professional Ed Sequence | 31-32 Hrs
Total Credits Needed to Graduate | 120 Hrs
## 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

1. 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.

### Required Courses 17 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIOL 151 General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 220 Human Anatomy &amp; Phys</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 221 Human Anatomy &amp; Phys</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 122 General Chemistry</td>
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</table>

### Directed Electives 35 Hrs

Students future career choice determines the electives to be taken.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 310 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 311 Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 315 Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 355 Mammalogy</td>
<td>4</td>
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<tr>
<td>BIOL 440 Biostatistics and</td>
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<tr>
<td>Experimental Design</td>
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<tr>
<td>BIOL 441 Cell Biology</td>
<td>4</td>
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<tr>
<td>CHEM 116 Intro to Organic &amp; Biochrm</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 260 Elements of Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 330 Quantitative Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 341 Organic Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 342 Organic Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 411 Physical Chemistry</td>
<td>3</td>
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<tr>
<td>CHEM 421 Physical Chemistry Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 410 Technical &amp; Scientific Writing</td>
<td>3</td>
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<tr>
<td>MATH 146 Applied Calculus</td>
<td>3</td>
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<tr>
<td>MATH 165 Analytic Geometry &amp; Calc I</td>
<td>4</td>
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<tr>
<td>MATH 166 Analytic Geometry &amp; Calc II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 321 Applied Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 161 Introductory College Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 162 Introductory College Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 370 Abnormal Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Total General Education 39 Hrs

### Total Major Requirement 52 Hrs

### Total Credits Needed to Graduate 120 Hrs

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For complete graduation requirements see page 39.

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**Department Chair:**
Joe Stickler Ph.D
Rhoades Science Center 302
701-845-7334
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: Student will accumulate knowledge and understanding of the necessary material to demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences and psychology.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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 complete graduation requirements see page 39.

General Education Requirements 38 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 Analytic Geometry & Calculus I
Lab Science - 8 crs (Select two courses)
BIOL 111, 150, 151, 170, 220, 221
CHEM 115, 116, 121, 122
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 2 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, 242, 261, 262
HUM 201 Civil, Thought, & Lit Heritage
SPAN 201 2nd Yr II; SPAN 202 2nd Yr II
THEA 110 Intro to Speech; 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 131 (1), MUS 141 (1); THEA 201 (1-3)

Required Courses 24 Hours

History 103 U.S. to 1877 3
HIST 104 U.S. to 1877 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

Cognates 12 Hrs
Select one (1) Cognate
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

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 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 380 The American Presidency 3
POLS 440 Understanding Statistics 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 340 Research Methods 3
SOC 390 Criminology & Delinquency 3
SOC 422 Social Science Theory 3
SOC 440 Understanding Statistics 3

Department Chair:
Steven King Ph.D
McFarland 322D
701-845-7108
### Professional Education Sequence  31-32 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDUC 240 Educating Exceptional Stds</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 250 Introduction to Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 283 Understanding Cult Div in Educ</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 300 Educational Technology</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 352 Culturally Diverse Practicum</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 351 Sec Practicum &amp; Clsm Mngt</td>
<td>1</td>
</tr>
<tr>
<td>EDUC 375 Tchg Rdg in 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; Educ Issues</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 480 Student Teaching (Sec)</td>
<td>10**</td>
</tr>
<tr>
<td>PSYC 250 Developmental Psychology</td>
<td>3</td>
</tr>
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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</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIST 260 Women in America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 267 Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 270 Native American History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 300 Race, Ethnic, &amp; Gender Rel</td>
<td>3</td>
</tr>
<tr>
<td>HIST 320 History of the American West</td>
<td>3</td>
</tr>
<tr>
<td>HIST 330 Hist Civil War Era (1850-1877)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 375 The U.S. Constitution: Feder</td>
<td>3</td>
</tr>
<tr>
<td>HIST 376 The U.S. Constitution: Civil Lib</td>
<td>3</td>
</tr>
<tr>
<td>HIST 380 The American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>HIST 385 History of Canada</td>
<td>3</td>
</tr>
<tr>
<td>HIST 450 History of the U.S. Since 1950</td>
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</table>

#### The World  3 Hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HIST 314 Hist of Economic Thought</td>
<td>3</td>
</tr>
<tr>
<td>HIST 321 Hist Ancient Greece &amp; Rome</td>
<td>3</td>
</tr>
<tr>
<td>HIST 325 Hist &amp; Geog of Eng &amp; Britain</td>
<td>3</td>
</tr>
<tr>
<td>HIST 345 Hist &amp; Geog of Spain &amp; Lat Am</td>
<td>3</td>
</tr>
<tr>
<td>HIST 365 Russia &amp; Her Neighbors</td>
<td>3</td>
</tr>
<tr>
<td>HIST 454 Renaissance/Reformation</td>
<td>3</td>
</tr>
<tr>
<td>HIST 465 The Contemporary World</td>
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</table>

* Required course
+ Required for Minnesota certification

### Total General Education  36Hrs

### Total Major Requirement  45Hrs

### Total Professional Ed Sequence  31-32 Hrs

### Total Credits Needed to Graduate  120 Hrs
History

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 onto graduate study. We will work with and prepare you as our students who might desire to go onto graduate study.

Learning Outcomes

1. Content: Student will accumulate knowledge and understanding of the necessary material to demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the necessary material.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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

General Education Requirements 38 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>ENGL 120 College Composition II</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>
</tr>
<tr>
<td>or COMM 212 Interpersonal Comm</td>
<td></td>
</tr>
<tr>
<td>or COMM 216 Intercultural Comm</td>
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</table>

<table>
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<tr>
<th>Problem Solving</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 Analytic Geometry &amp; Calculus I</td>
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<tr>
<td>Lab Science - 8 crs (Select two courses)</td>
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<tr>
<td>BIOL 111, 150, 151, 170, 220, 221</td>
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<tr>
<td>CHEM 115, 116, 121, 122</td>
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<tr>
<td>GEO 101, 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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<tr>
<th>Technology</th>
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<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
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<tr>
<td>GEO 127 Intro Java</td>
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<tr>
<td>CSCI 160 Intro Struct</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>
<thead>
<tr>
<th>Aesthetic Engagement</th>
<th>6 Hrs</th>
</tr>
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<tbody>
<tr>
<td>Literacies - 3 crs (Select one course)</td>
<td></td>
</tr>
<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>
<td></td>
</tr>
<tr>
<td>SPAN 201 2nd Yr I; SPAN 202 2nd Yr II</td>
<td></td>
</tr>
<tr>
<td>THEA 110 Intro Theatre; THEA 161 Acting I</td>
<td></td>
</tr>
<tr>
<td>Art &amp; Music - 3 crs (Select one course)</td>
<td></td>
</tr>
<tr>
<td>ART 110 Introduction to Visual Arts</td>
<td></td>
</tr>
<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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<td>MUS 207 History of Rock’n’Roll</td>
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<table>
<thead>
<tr>
<th>Global Awareness &amp; Effective Citizen</th>
<th>6 Hrs</th>
</tr>
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<tbody>
<tr>
<td>Social Science - 9 Hrs</td>
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<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>GEOG 100 Introduction to Earth Science</td>
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<td>GEOG 150 Principles of Geography</td>
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<td>GEOG 300 Environmental Earth Science</td>
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<td>GEOG 362 Geography of N. America</td>
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<td>POLS 115 American National Government</td>
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<td>POLS 116 State and Local Government</td>
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<td>POLS 303 Canadian Gov’t &amp; Politics</td>
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<td>SOC 300 Race, Ethnic, &amp; Gender Rel</td>
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<tr>
<td>SOC 390 Criminology &amp; Delinquency</td>
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<th>Total General Education</th>
<th>38 Hrs</th>
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Required Courses 24 Hours

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<th>HIST 103 U.S. to 1877</th>
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<td>HIST 104 U.S. 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>
<td>3</td>
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<tr>
<td>HIST 220 North Dakota History</td>
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<tr>
<td>HIST 400 Historiography</td>
<td>3</td>
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<tr>
<td>HIST 470 Topics in Non-Western History</td>
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</tbody>
</table>

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
| 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 465 The Contemporary World | 3 |

Social Science | 9 Hrs |
<table>
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<tr>
<td>ECON 201 Principles of Microeconomics</td>
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<tr>
<td>SOC 390 Criminology &amp; Delinquency</td>
<td>3</td>
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</tbody>
</table>

Total General Education | 38 Hrs |
Total Major Requirement | 42 Hrs |
Total Credits Needed to Graduate | 120 Hrs |

For complete graduation requirements see page 39.

Department Chair:
Steven King Ph.D
McFarland 322D
701-845-7108
Human Services - General Human Services Concentration

Composite Major

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: Student will accumulate knowledge and understanding of the necessary material to demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences and psychology.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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 complete graduation requirements see page 39.

General Education Requirements 38 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 Analytic Geometry & 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 2 Hrs
(GIS 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
THED 110 Intro Theatre; THED 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 Prim Micro; ECON 202 Prim 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 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 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 210 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
POLS 115 American National Govt 3
POLS 303 Canadian Govt & Politics 3
POLS 376 U.S. Citizenship: Civil Lib 3
PSYC 350 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 390 Criminology & Delinquency 3
SOC 440 Understanding Statistics 3
SOC 499 Special Topics 1-3

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. Students must complete 16 hrs in Spanish

Total General Education 38 Hrs
Total Major Requirement 66-75 Hrs
Total Credits Needed to Graduate 120 Hrs

Department Chair:
Steven King Ph.D
McFarland 322D
701-845-7108

Valley City State University – 89
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: Student will accumulate knowledge and understanding of the necessary material to demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences and psychology.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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 complete graduation requirements see page 39.

General Education Requirements 38 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 Analytic Geometry & 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 2 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 American Natl Government
- OR POLS 116 State and Local Government
- POLS 211 The American Constitution; Civil Lib
- PSYC 110 Introduction to Human Services
- SOC 220 The Family
- SOC 300 Race, Ethnic, & Gender Rel
- SOC 340 Research Methods
- SOC 415 Introduction to Human Services
- SOC 422 Social Science Theory
- SOC 497 Behavior Science Internship 3-12

Criminal Justice Concentration 21 Hrs
- COMM 216 Intercultural Comm
- OR COMM 214 Public Relations
- SOC/POLS 252 Intro Criminal Justice
- OR POLS 115 American Natl Government
- OR POLS 116 State and Local Government
- POLS 376 U.S. Constitution; Civil Lib
- PSYC 370 Abnormal Psychology
- SOC 390 Criminology and Delinquency
- SOC/POLC 416 Corrections: Inst. & Comm

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.
Students must complete 16 hrs in Spanish

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 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

Total General Education 38 Hrs
Total Major Requirement 66-75 Hrs
Total Credits Needed to Graduate 120 Hrs

Department Chair:
Steven King Ph.D
McFarland 322D
701-845-7108
MAJOR
Mathematics is a challenging and interesting major that leads to careers in business, industry, government or further study at an advanced level. There appears to be a constant demand in the job market for individuals skilled in mathematics. The major follows guidelines of the committee on undergraduate programs in Mathematics established by the Mathematical Association of America. In recent times with much instability in employment, it’s good to know you will always be able to find work if you are skilled at mathematics.

Learning Outcomes
1. Increase student mathematical literacy and abstract thinking to meet professional employment goals.
2. Understand the impact Mathematics on the world and upon daily life.

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 12 Hrs
Mathematics - 4 crs (Select one course)
MATH 165 Analytic Geometry & Calculus I 4
Lab Science - 8 crs (Select two courses)
Encouraged to take Chemistry or Physics
BIOL 111 Concepts of Biology * or higher
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 2 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 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 131 (1), MUS 141 (1), THEA 201 (1-3)

Required Courses 28 Hours
MATH 166 Analytic Geometry & Calculus II 4
MATH 265 Analytic Geometry & Calculus III 4
MATH 266 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

Directed Electives 9 Hrs
CSCI 127 Intro to Programming in Java^ 3
-or- CSCI 160 Intro Structured Programming I^ 3
CSCI 161 Intro Structured Programming II 3
CSCI 350 Assembly Language Programming 3
CSCI 365 Programming Language Topics 3
CSCI 370 Computer Organization & Systems 3
CSCI 372 Comparative Programming Language 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

*If taken as a General Education course, a course will not fulfill a major menu option.

BA Language/Cultural Studies -or- 16 Hrs
BS Related Field

In consultation with your advisor, select a 16 hour 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.

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 39 Hrs
Total Major Requirement 37 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.

Department Chair:
Preston Bush Ph.D
Rhoades Science Center 102
701-845-7151
Mathematics Education

MAJOR
Teaching Mathematics can be an interesting and rewarding career choice. The material is challenging and teaching presents the opportunity to work with young people filled with enthusiasm and vitality. Strong demand continues for teachers in Mathematics. Students are sometimes surprised to find that their Math Education major is sought out by employers outside the field of education. Employers recognize that students successfully completing a math education program have good analytical skills, know how to work with people, and are able to manage activities. These characteristics are sought by government, industry, and business. In past years, math education students are usually under contract with a school system prior to graduation.

Learning Outcomes
1. Increase student mathematical literacy and abstract thinking to meet professional employment goals.
2. Understand the impact Mathematics on the world and upon daily life.

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 complete graduation requirements see page 39.

Department Chair:
Preston Bush Ph.D
Rhoades Science Center 102
701-845-7151

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 Analytic Geometry & Calculus I* 4
Lab Science - 8 crs (Select two courses)
Encouraged to take Chemistry or Physics
BIOL 111 Concepts of Biology * or higher
CHEM 115, 116, 121, 122
GEOL 100, 106
PHYS 100, 110, 161, 162, 251, 252
TECH 161

Technology 3 hrs
(Select one course)
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 - 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

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

Required Courses 39 Hrs
MATH 105 Plane Trigonometry 2
MATH 166 Analytic Geometry & Calc II 4
MATH 265 Analytic Geometry & Calc III 4
MATH 266 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 PKC 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

Professional Education Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Stdnts 2
EDUC 250 Introduction to Education 3
EDUC 283 Understdng 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 & Clsrm Mngt 1
EDUC 375 Tkch 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 39 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.
## Medical Laboratory Science
### Composite Major

**MAJOR**
This is a new 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 Outcomes
1. 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

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Communication &amp; Collaboration</td>
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<tr>
<td>ENGL 110 College Composition I</td>
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<td>or COMM 212 Interpersonal Comm</td>
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<tr>
<td>or COMM 216 Intercultural Comm</td>
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### Problem Solving
11 Hrs

**Mathematics:** - 3 crs (Select one course)

**Lab Science:** - 8 crs (Select two courses)

Encouraged to take Chemistry or Physics

**BIOL 150 General Biology I**

**CHEM 121 General Chemistry I**

### Technology
2 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, 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 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 131 (1), MUS 141 (1), THEA 201 (1-3)**

*Required

For complete graduation requirements see page 39.

### Required Courses

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Biol 151 General Biology II</td>
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<tr>
<td>Biol 220 Anatomy and physiology I</td>
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<tr>
<td>Biol 221 Anatomy and physiology II</td>
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<tr>
<td>Biol 310 Microbiology</td>
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<tr>
<td>Biol 441 Cell Biology</td>
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<tr>
<td>or Chem 260 Elements of Biochemistry</td>
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<tr>
<td>Chem 122 General Chemistry II</td>
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<tr>
<td>Chem 341 Organic Chemistry I</td>
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<tr>
<td>MGMT 330 Principles of Management</td>
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<tr>
<td>MLS 234 Human paracitology</td>
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<tr>
<td>MLS 301 Immunology</td>
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<tr>
<td>MLS 325/325L Hematology &amp; lab</td>
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<tr>
<td>MLS 336 Laboratory Calculations</td>
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### Directed Electives
6 Hrs

**Biol 315 Genetics**

**Chem 330 Analytical Chemistry I**

**Chem 342 Organic Chemistry II**

**Math 165 Calculus I**

**MLS 394 Medical microbiology**

### 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**

**MLS 472 Pre-analytical Skills**

**MLS 473 Clinical Hemostasis I**

**MLS 474 Clinical Urinalysis I**

**MLS 477 Clinical Immunohematology I**

**MLS 477L Clinical Immunohematology I Lab**

**MLS 478 Clinical Microbiology I**

**MLS 479 Clinical Hematology I**

**MLS 480 Clinical Immunohematology II**

**MLS 481 Clinical Chemistry II**

**MLS 483 Clinical Hemostasis II**

**MLS 484 Clinical Microbiology II**

**MLS 485 Clinical Urinalysis II**

**MLS 487 Medical Mycology**

**MLS 488 Clinical Hematology II**

**MLS 489 Clinical Body Fluids**

**MLS 490 Financial & Quality Management of the Clinical Laboratory**

**MLS 491 Clinical Chemistry III**

**MLS 492 Clinical Immunohematology III**

**MLS 494 Clinical Immunology**

**MLS 495 Clinical Microbiology III**

**MLS 498 Clinical Hematology III**

### Total General Education
38 Hrs

### Total Major Requirement
86 Hrs

### Total Credits Needed to Graduate
124 Hrs

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**Department Chair:**
Joe Stickler Ph.D
Rhoades Science Center 302
701-845-7334

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Valley City State University – 93
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. To provide superior training for public school music teachers.
2. To assist musicians to perform at their highest possible level of ability.
3. To develop in students a broad understanding of music within the context of a liberal arts education.
4. To provide preparation for careers in music business and industry.
5. To contribute to the cultural environment of campus and community.

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 the 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.

For complete graduation requirements see page 39.

Department Chair:
Diana Skroch Ph.D
Foss Hall 112
701-845-7273

General Education Requirements

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
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Analytic Geometry & 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) 2 Hrs
CIS 170 Intro to Computer Info Systems 2
CSCI 127 Intro to Programming in Java 3
CSCI 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
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 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 131 (1), MUS 141 (1), THEA 201 (1-3)

Required Course 46-50 Hours
MUS 109 Music Theory I 3
MUS 110 Music Theory II 3
MUS 111 Class Piano 1
MUS 112 Class Piano 1
MUS 211 Class Piano 1
MUS 212 Class Piano 1
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 301 Scoring & Arranging 2
MUS 331 Music History & Literature 3
MUS 332 Music History & Literature 3
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 0-4 Hrs
Applied Lessons & Primary instrument/voice
MUS 120 Composition I 1
MUS 220 Composition II 1
MUS 320 Composition III 1
Music Ensembles
MUS 131, 132, 133, 134, 135
MUS 141, 142, 144, 145, 146
MUS 170 Jazz Improvisation 1-2
MUS 102 Intro to Digital Audio Recording 3
MUS 209 Adv Recording & Mastering 2
MUS 302 Advanced Scoring & Arranging 2
MUS 378 Applied Pedagogy 3
MUS 379 Piano Pedagogy 3
MUS 199-499 Special Topics 1-3

Professional Ed Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Students 2
EDUC 250 Introduction to Education 3
EDUC 283 Underst Cultural Diversity in Ed 3
EDUC 300 Educational Technology 2
EDUC 352 Culturally Diverse Practicum 1
-or- EDUC 464 Practicum in ELL Classroom 2
EDUC 351 Sec Practicum & Clsrn Mgmt 1
EDUC 375 Tch Riding in the Content Areas 2
EDUC 400 Educational Psychology ** 2
EDUC 450 Trends in Assess & Ed Issues 2
EDUC 480 Student Teaching (Sec) ** 10
PSYC 250 Developmental Psychology 3
** Courses to be taken the same semester.
* Students seeking K-12 certification will be placed in an Elementary and Secondary classroom setting.
**Music - Music Education continued**

**Composite Major**

**Options:**

<table>
<thead>
<tr>
<th>Certification K-12 Vocal-Instrumental</th>
<th>32 Hrs</th>
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<tbody>
<tr>
<td>MUS 131 Concert Choir (8 semesters)</td>
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<tr>
<td>MUS 141 Concert Band (8 semesters)</td>
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</tr>
<tr>
<td>MUS 231 Diction for Singers I</td>
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<tr>
<td>MUS 232 Diction for Singers II</td>
<td>1</td>
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<tr>
<td>MUS 303 Instrumental Conducting &amp; Lit</td>
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<tr>
<td>MUS 304 Choral Conducting &amp; Literature</td>
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<tr>
<td>MUS 321 Percussion Methods</td>
<td>1</td>
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<tr>
<td>MUS 322 Brass Methods</td>
<td>1</td>
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<tr>
<td>MUS 323 Woodwind Methods</td>
<td>1</td>
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<tr>
<td>MUS 324 String Methods</td>
<td>1</td>
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<tr>
<td>MUS 325 Vocal Methods</td>
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<td>MUS 326 Guitar Methods</td>
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<tr>
<td>4 semesters of secondary lessons</td>
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<table>
<thead>
<tr>
<th>Certification K-12 Vocal Music</th>
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<tbody>
<tr>
<td>MUS 131 Concert Choir (7 semesters)</td>
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<tr>
<td>MUS 151 Applied Piano</td>
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<tr>
<td>MUS 153 Accompanying</td>
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<tr>
<td>MUS 231 Diction for Singers I</td>
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<tr>
<td>MUS 232 Diction for Singers II</td>
<td>1</td>
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<tr>
<td>MUS 304 Choral Conducting &amp; Literature</td>
<td>2</td>
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<tr>
<td>MUS 325 Vocal Methods</td>
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</tr>
<tr>
<td>MUS 326 Guitar Methods</td>
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</table>

<table>
<thead>
<tr>
<th>Certification K-12 Instrumental Music</th>
<th>15 Hrs</th>
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<tr>
<td>MUS 141 Concert Band (7 semesters)</td>
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<tr>
<td>MUS 170 Voice Class</td>
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<tr>
<td>MUS 303 Instrumental Conducting &amp; Lit</td>
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</tr>
<tr>
<td>MUS 321 Percussion Methods</td>
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<td>MUS 322 Brass Methods</td>
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<td>MUS 323 Woodwind Methods</td>
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<td>MUS 324 String Methods</td>
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<tr>
<td>MUS 326 Guitar Methods</td>
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</tbody>
</table>

**Total General Education** | **38 Hrs**

**Total Major Requirement** | **65-82 Hrs**

**Total Professional Ed Sequence** | **31-32 Hrs**

**Total Credits Needed to Graduate** | **139-157 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. To provide superior training for public school music teachers.
2. To assist musicians to perform at their highest possible level of ability.
3. To develop in students a broad understanding of music within the context of a liberal arts education.
4. To provide preparation for careers in music business and industry.
5. To contribute to the cultural environment of campus and community.

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 233 are required of students whose primary instrument is voice.
* * MUS 378 & 379 are required of students whose primary instrument is piano.

After completing two semesters of Applied Music on each level and demonstrating ability to perform at the highest possible level of ability.

The student must continue enrollment in Applied Music Ensembles until successful completion.

The student must continue enrollment in Applied Music 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.

For complete graduation requirements see page 39.

Department Chair:
Diana Skroch Ph.D
Foss Hall 112
701-845-7273

General Education Requirements
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 Analytic Geometry & Calculus I 3
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) 2 Hrs
- CIS 170 Intro to Computer Info Systems 2
- CSC 127 Intro to Programming in Java 3
- CSC 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 3
- GEOG 151 Human Geog 1
- HIST 103, 104, 211, 212, 260, 267, 270 3
- POLS 115 Amer Gov; POLS 116 State Gov 3
- PSYC 111 Intro Psy 1
- SOC 110 Intro to Soc; SOC 111 Intro Anthro 1

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)

*If taking MUS 207 as general education credit cannot take as an elective

Required Courses 50-54 Hours
- MUS 109 Music Theory I 3
- MUS 110 Music Theory II 3
- MUS 111 Class Piano 1
- MUS 112 Class Piano 1
- MUS 211 Class Piano 1
- MUS 212 Class Piano 1
- 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 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 6 Hrs
- MUS 131 Concert Choir 0-1
- MUS 132 University Singers 0-1
- MUS 133
- MUS 135
- MUS 141 Concert Band 0-1
- MUS 142 Jazz Ensemble 0-1
- MUS 144
- MUS 145
- MUS 146

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 0-4 Hrs
- Applied Lessons
- Music Ensembles
- MUS 102 Intro to Digital Audio Recording 3
- 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 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 38 Hrs
Total Major Requirement 54 Hrs
Total Credits Needed to Graduate 120 Hrs
* MUS 231 and 232 or MUS 233 are required of students whose primary instrument is voice
** MUS 378 and 379 are required of students whose primary instrument is piano
Office Management

MAJOR
An Office Management degree prepares you for employment in today’s office settings. Office Management majors become well rounded in the business field as you become prepared to manage a modern office. By handling communications, responding to clients, and coordinating staff activities, office managers assist with keeping businesses running smoothly. The program can also provide you with an excellent foundation for entrepreneurial activities such as establishing and operating a business of your own.

Learning Outcomes
1. Graduating students will develop marketable skills for professional employment or graduate work in business and information systems. The vast majority of BIT Division graduates will secure employment commensurate with their chosen 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.
3. Students in BIT majors will increase and broaden understanding and capabilities with technology selection and application.

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

General Education Requirements

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 Pre-Calculus
MATH 165 Analytic Geometry & 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) 2 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, 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 131 (1), MUS 141 (1), THEA 201 (1-3)

Required Courses 45 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 102 Keyboarding I 3
BOTE 309 Office Management 3
BOTE 314 Business Reports & Communication 3
BOTE 336 Business Data Solutions 3
BOTE 337 Authoring Digital Publications 3
MGMT 330 Principles of Management 3
MGMT 425 Human Resource Management 3
MGMT 426 Compensation & Benefits Admin 3
MGMT 480 Strategic Planning 3
MRKT 305 Principles of Marketing 3
MRKT 319 Website Authoring 3

Directed Electives 21 Hrs
ACCT 207 Managerial Accounting 3
ACCT 322 Financial Reporting & Analysis II 3
BUSI 497 Internship 3-12
COMM 212 Interpersonal Communication** 3
COMM 311 Communication & Interviewing 3
ECON 261 Business Statistics 3
FIN 375 Business Finance I 3
MGMT 350 Quan Anal & Operations Mgmt 3
MGMT 460 International Business 3
MRKT 415 Marketing Research & Information 3
Students are strongly encouraged to select courses outside the Business & Information Technology Division.

Total General Education 38 Hrs
Total Major Requirement 66 Hrs
Total Credits Needed to Graduate 120 Hrs

** COMM 212, when taken as a general education course can not be taken as an elective

For complete graduation requirements see page 39.

Department Chair:
Brenda Finger D.M.
McFarland 128
701-845-7513
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.

Learning Outcomes
1. Students completing a major in the Department of Health and Physical Education will be prepared for a successful student teaching experience.
2. Students completing a major in the Department of Health and Physical Education will be prepared to pursue advanced degrees in physical therapy, athletic training, or exercise science.
3. Students completing a major in the Department of Health and Physical Education will be prepared to pursue careers in Leisure and Wellness studies.
4. The Department of Health and Physical Education, through its general education offering, will demonstrate knowledge of the importance of lifetime physical fitness and healthy behavioral decisions.

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

For complete graduation requirements see page 39.

Department Chair:
Sharon McCarriar Ed.D. Graichen Gymnasium 002 701-845-7168

General Education Requirements 38 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 3
-MATH 104 Finite Mathematics 3
-MATH 107 Precalculus 3
-MATH 165 Analytic Geometry & Calculus I 3
Lab Science (select two courses) 8 Hrs
Biol 111 Concepts of Biology or higher* 3
Chem 115, 116, 121, 122 4
Geol 100, 106 4
Phys 100, 110, 161, 162, 251, 252 8
Tech 161 4

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

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 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 - 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

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 3
Hist 103, 104, 211, 212, 260, 267, 270 3
Pols 115 Amer Gov; Pols 116 State Gov 3
Psy 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 131 (1), Mus 141 (1), Thea 201 (1-3)

Specified Courses 36 Hours

HPER 109 Exercise Tech and
Program Design 3
HPER 207 Prevent & Care of Athletic Inj 2
HPER 208 Introduction to Physical Educ 2
HPER 210 First Aid & CPR 1
HPER 325 PE in the Elementary Grades 3
HPER 258 Appl Anat/Phys/Hum Perform 3
HPER 259 Appl Anat/Phys/Hum Perform 3
HPER 360 Inst & Org of Ind/Dual Activities 3
HPER 361 Inst & Org of Team Activities 2
HPER 390 Fitness Assessment & Prescrip 2
HPER 410 Admin of Hlth, PE, & Athl 2
HPER 425 Soc/Pyc Asp of Sport & PE 2
HPER 440 Adapted Physical Education 2
HPER 490A Meth, Curric & Asses of HPE 4
HPER 490B Pract Appl of Method in HPE 2

Swimming Requirement: The student majoring in Physical Education is required to pass a proficiency test in swimming. This test is given during the final exam week of each semester.
HPER 491 Senior Portfolio: Students are required to take HPER 491 Senior Portfolio course. It is recommended to take the course during junior year.

Professional Education Sequence 32-32 Hrs
Educ 240 Educating Exceptional Studnts 2
Educ 250 Introduction to Education 2
Educ 283 Underst Ring Cult Div in Educ 2
Educ 300 Educational Technology 2
Educ 352 Culturally Diverse Practicum 2
-or- Educ 464 Pract in ELL Classroom 2
Educ 351 Sec Practicum & Clsmr Mntg 2
Educ 375 Tchrg 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
^ Students seeking K-12 certification
will be placed in an Elementary and Secondary classroom setting

Total General Education 38 Hrs
Total Major Requirement 36 Hrs
Total Professional Ed Sequence 32-32 Hrs
Total Credits Needed to Graduate 120 Hrs
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. Comprehend the theories and principles of human communication, mass communication, and theatre that will facilitate students’ professional and personal effectiveness.
2. Demonstrate relational competence in interpersonal, group, gendered, and cultural settings.
3. Demonstrate through performance and analysis the importance of both verbal and nonverbal communication

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

For complete graduation requirements see page 39.

Department Chair:
Shannon VanHorn Ph.D
McFarland 204
701-845-7471
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. Comprehend the theories and principles of human communication, mass communication, and theatre that will facilitate students’ professional and personal effectiveness.
2. Demonstrate relational competence in interpersonal, group, gendered, and cultural settings.
3. Demonstrate through performance and analysis the importance of both verbal and nonverbal communication.

### 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Communication &amp; Collaboration</strong></td>
<td>9</td>
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<tr>
<td>ENGL 110 College Composition I</td>
<td>3</td>
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<tr>
<td>ENGL 125 Intro to Professional Writing*</td>
<td>3</td>
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<tr>
<td>COMM 110 Fund of Public Speaking*</td>
<td>3</td>
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<tr>
<td><strong>Technology</strong></td>
<td>2</td>
</tr>
<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
<td>2</td>
</tr>
<tr>
<td>CSCI 127 Intro to Programming in Java</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 160 Intro to Structured Program I</td>
<td>3</td>
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<tr>
<td><strong>Aesthetic Engagement</strong></td>
<td>6</td>
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<tr>
<td>Literacies- (select one course)</td>
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<tr>
<td>ENGL 220 Intro Lit; ENGL 225 Intro Film</td>
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<tr>
<td>ENGL 241 World Lit I; ENGL 242 World Lit II</td>
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<tr>
<td>ENGL 261 Amer Lit I; ENGL 262 Amer Lit II</td>
<td></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>
<td></td>
</tr>
<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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<td>MUS 100 Music Appreciation</td>
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<tr>
<td>MUS 101 Music Fundamentals</td>
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<td>MUS 207 History of Rock’n’Roll</td>
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<td><strong>Problem Solving</strong></td>
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<td>Mathematics (select one course)</td>
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<td>MATH 103 College Algebra</td>
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<td>MATH 104 Finite Mathematics</td>
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<td>MATH 107 Pre calculus</td>
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<td>MATH 165 Analytic Geometry &amp; 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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<tr>
<td><strong>Global Awareness &amp; Effective Citizen</strong></td>
<td>6</td>
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<tr>
<td>(Select two courses)</td>
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<tr>
<td>COMM 112 Under Media; COMM 114 Human Conn;</td>
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<td>ECON 201 Prin of Micro; ECON 202 Prin of Macro;</td>
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<td>GEOG 151 Human Geography</td>
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<td>HIST 103, 104, 211, 212, 260, 267, 270</td>
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<td>POLS 115 Amer Gov’t; POLS 116 State Gov</td>
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<tr>
<td>PSYC 111 Intro to Psychology</td>
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<td>SOC 110 Introduction to Sociology</td>
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<tr>
<td>SOC 111 Introduction to Anthropology</td>
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<tr>
<td><strong>Wellness</strong></td>
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<tr>
<td>HPER 100 Concepts of Fitness &amp; Wellness</td>
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<td><strong>Additional General Education</strong></td>
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</tr>
<tr>
<td>Aesthetic Engagement or Global Awareness or</td>
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</tr>
<tr>
<td>ART 112 (3), ART 231 (3), ART 281 (3); GEOG 111 (2);</td>
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</tr>
<tr>
<td>MUS 131 (1), MUS 141 (1); THEA 201 (1-3)</td>
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*Required

### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COMM 212 Interpersonal Communication</td>
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<tr>
<td>COMM 216 Intercultural Communication</td>
<td>3</td>
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<tr>
<td>COMM 340 Comm. Research Methods</td>
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<tr>
<td>COMM 411 Communication Theory</td>
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<tr>
<td>COMM 497 Internship</td>
<td>3-12</td>
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<tr>
<td>-OR- COMM 489 Strategies in Comm</td>
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### Media Communication Concentration

<table>
<thead>
<tr>
<th>Course</th>
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<td>Required Courses</td>
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<tr>
<td>COMM 200 Introduction to Media Writing</td>
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<tr>
<td>COMM 314 Public Relations</td>
<td>3</td>
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<tr>
<td>COMM 315 Digital Communication</td>
<td>3</td>
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<tr>
<td>COMM 344 Reporting &amp; Feature Writing</td>
<td>3</td>
</tr>
<tr>
<td>COMM 460 Media Ethics</td>
<td>3</td>
</tr>
<tr>
<td>-OR- COMM 470 Media Law</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
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<tr>
<td>BOTE 337 Authoring Digital Publications</td>
<td>3</td>
</tr>
<tr>
<td>COMM 155 Introduction to Photography</td>
<td>2</td>
</tr>
<tr>
<td>COMM 255 Digital and Adobe Elements</td>
<td>2</td>
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<tr>
<td>COMM 311 Communication &amp; Interviewing</td>
<td>3</td>
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<tr>
<td>COMM 312 Gender Communication</td>
<td>3</td>
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<tr>
<td>COMM 350 Issues in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 355 Advanced Photography</td>
<td>3</td>
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<tr>
<td>COMM 440 Understanding Statistics</td>
<td>3</td>
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<tr>
<td>ENGL 410 Technical &amp; Scientific Writing</td>
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<tr>
<td>MRKT 319 Website Authoring</td>
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<tr>
<td>MRKT 370 Advertising &amp; Promotions</td>
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<tr>
<td>COMM 460 Media Ethics</td>
<td>3</td>
</tr>
<tr>
<td>-OR- COMM 470 Media Law</td>
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</tbody>
</table>

### 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                     | 38    |
| Total Major Requirement                     | 36    |
| Total Credits Needed to Graduate            | 120   |
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. Content: Student will accumulate knowledge and understanding of the necessary material to demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences and psychology.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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 complete graduation requirements see page 39.

Department Chair:
Steven King Ph.D
McFarland 322D
701-845-7108

Valley City State University ~ 101
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. Come and visit with one of our faculty members.

Learning Outcomes
1. Content: Student will accumulate knowledge and understanding of the necessary material to demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences and psychology.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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

General Education Requirements 38 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>ENGL 120 College Composition II or ENGL 125 Intro to Professional Wrtg</td>
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</tr>
<tr>
<td>COMM 110 Fund of Public Speaking or COMM 212 Interpersonal Comm or COMM 216 Intercultural Comm</td>
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<table>
<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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<td>MATH 104 Finite Mathematics</td>
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<td>MATH 107 Precalculus</td>
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</tr>
<tr>
<td>MATH 165 Analytic Geometry &amp; Calculus I</td>
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<tr>
<td>Lab Science - 8 crs (Select two courses)</td>
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<tr>
<td>BIOL 111, 150, 151, 170, 220, 221</td>
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<tr>
<td>CHEM 115, 116, 121, 122</td>
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<tr>
<td>GEO 100, 106</td>
<td></td>
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</tr>
<tr>
<td>TECH 161</td>
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</table>

<table>
<thead>
<tr>
<th>Technology</th>
<th>2 Hrs</th>
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<tr>
<td>(Select one course)</td>
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<tr>
<td>CIS 170 Intro to Computer Info Systems</td>
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<tr>
<td>CSCI 127 Intro Java; CSCI 160 Intro Struct</td>
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<table>
<thead>
<tr>
<th>Wellness</th>
<th>2 Hrs</th>
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<td>HPER 100 Concepts Fitness &amp; Wellness</td>
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<table>
<thead>
<tr>
<th>Aesthetic Engagement</th>
<th>6 Hrs</th>
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<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>
<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>
<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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<tr>
<td>MUS 101 Music Fundamentals</td>
<td></td>
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<tr>
<td>MUS 207 History of Rock’n’Roll</td>
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</table>

<table>
<thead>
<tr>
<th>Global Awareness &amp; Effective Citizen</th>
<th>6 Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 111 Introduction to Psychology*</td>
<td></td>
</tr>
<tr>
<td>SOC 110 Introduction to Sociology*</td>
<td></td>
</tr>
<tr>
<td>OR-SOC 111 Introduction to Anthropology*</td>
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<table>
<thead>
<tr>
<th>Additional General Education</th>
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<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>
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For complete graduation requirements see page 39.

Required Courses 66 Hours

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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<tr>
<td>History Courses</td>
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<td>HIST 103 US to 1877*</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104 US to Present*</td>
<td>3</td>
</tr>
<tr>
<td>HIST 211 World Civilizations to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 212 World Civilizations Since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 220 North Dakota History</td>
<td>3</td>
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<tr>
<td>HIST 400 Historiography</td>
<td>3</td>
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<tr>
<td>HIST 470 Topics in Non-Western History</td>
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<tr>
<td>Economics Courses</td>
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</tr>
<tr>
<td>ECON 201 Principles of Microeconomics*</td>
<td>3</td>
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<tr>
<td>ECON 202 Principles of Macroeconomics*</td>
<td>3</td>
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<tr>
<td>ECON 261 Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 314 History of Economic Thought</td>
<td>3</td>
</tr>
<tr>
<td>ECON 350 Money and Banking</td>
<td>3</td>
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<tr>
<td>Geography Courses</td>
<td>12 Hrs</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>
<td>3</td>
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<tr>
<td>GEOG 300 Environmental Earth Science</td>
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<td>GEOG 320 Applied Geography Workshop</td>
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<td>GEOG 325 Hist &amp; Geog of England &amp; Britain</td>
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<td>GEOG 345 Hist &amp; Geog of Spain &amp; Latin Am</td>
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<td>GEOG 394 Field Methods in Earth Science</td>
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<td>GEOG 362 Geography of N. America</td>
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<tr>
<td>GEOG 492 Field Experience in Geography</td>
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<tr>
<td>Political Science Courses</td>
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<tr>
<td>PSCI 115 American National Government*</td>
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</tr>
<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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<td>PSCI 375 The U.S. Constitution: Federalism</td>
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<td>PSCI 376 The U.S. Constitution: Civil Liberties</td>
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<td>PSCI 380 The American Presidency</td>
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<tr>
<td>PSCI 492 Research Methods</td>
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<td>Psychology &amp; Sociology Courses</td>
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<td>PSYC 350 Social Psychology</td>
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<td>PSYC 410 Mental Health</td>
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<tr>
<td>SOC 220 The Family</td>
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<tr>
<td>SOC 300 Race, Ethnic &amp; Gender Relations</td>
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Concentration 18 Hrs
Students complete 18 additional credits in one of the following areas: History, Political Science, Psychology, or Sociology.

Professional Education Sequence 31-32 Hrs

<table>
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<th>Course</th>
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<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>
<tr>
<td>EDUC 283 Understanding Cult Div in Education</td>
<td>3</td>
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<tr>
<td>EDUC 300 Educational Technology</td>
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<tr>
<td>EDUC 351 Soc Practicum &amp; Clrm 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>
<tr>
<td>EDUC 450 Current Issues &amp; Trends in Educ</td>
<td>2**</td>
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<tr>
<td>EDUC 480 Student Teaching (Secondary)</td>
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<tr>
<td>PSYC 250 Developmental Psychology</td>
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<tr>
<td>** Courses to be taken the same semester. *Required</td>
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</table>

Total General Education 38 Hrs
Total Major Requirement 54 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs
Social Science
Composite Major

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 grouping 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 demonstrate competence in the social sciences and psychology.
2. Social theory: Students will acquire an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences and psychology.
3. Application: Students will demonstrate their knowledge and understanding of social theory and use it 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

General Education Requirements 38 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 hrs (Select one course)
MATH 103 College Algebra
MATH 104 Finite Mathematics
MATH 107 Precalculus
MATH 165 Analytic Geometry & Calculus I
Lab Science - 8 hrs (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 2 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 hrs (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 hrs (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 110 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 131 (1), MUS 141 (1), THEA 201 (1-3)

Required Courses 36 Hours
Economics Courses 6 Hrs
ECON 201 Principles of Microeconomics* 3
or ECON 202 Principles of Macroeconomics* 3
ECON 261 Business Statistics 3
ECON 314 History of Economic Thought 3
ECON 350 Money and Banking 3
Geography Courses 6 Hrs
GEOG 100 Introduction to Earth Science 4
GEOG 111 Survey of Geography 2
GEOG 151 Human Geography* 3
GEOG 300 Environmental Earth Science 4
GEOG 320 Applied Geography Workshop 1
GEOG 325 Hist & Geog of England & Britain 3
GEOG 345 Hist & Geog of Spain & Latin Am 3
GEOG 362 Geography of N. America 3
GEOG 394 Field Methods in Earth Science 1-4
GEOG 492 Field Experience in Geography 4

History Courses 6 Hrs
HIST 103 US to 1877 3
HIST 104 US to Present 3
HIST 211 World Civilizations to 1500 3
HIST 212 World Civilizations Since 1500 3
HIST 260 Women in America 3
HIST 267 Environmental History 3
HIST 325 History & Geography of England 3
HIST 365 Russia & Her Neighbors 3

Psychology Courses 6 Hrs
PSY 110 Introduction to Psychology 3
PSY 250 Developmental Psychology 3
PSY 350 Social Psychology 3
PSY 360 Group Dynamics 3
PSY 370 Abnormal Psychology 3
PSY 380 Human Sexuality 2
PSY 410 Mental Health 3
PSY 450 Personality Theories & Meas 3

Sociology Courses 6 Hrs
SOC 110 Introduction to Sociology* 3
SOC 111 Introduction to Anthropology 3
SOC 220 The Family 3
SOC 300 Race, Ethnic & Gender Relations 3
SOC 350 Social Psychology 3
SOC 385 Introduction to Gerontology 3
SOC 390 Criminology and Delinquency 3
SOC 422 Social Science Theory 3
SOC 492 Research Methods 3

*Required
Concentration 18 Hrs
Students complete 18 additional credits in one of the following areas: History, Political Science, Psychology, or Sociology.

Total General Education 38 Hrs
Total Major Requirement 60 Hrs
Total Credits Needed to Graduate 120 Hrs

For complete graduation requirements see page 39.

Department Chair:
Steven King Ph.D
McFarland 322D
701-845-7108
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. 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.

### Required Courses

- **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 350** Hispanic Culture & Civilization 3
- **SPAN 415** Advanced Spanish Conversation 3
- **SPAN 420** Readings in Hispanic Literature 3

### Directed Electives

- **SPAN 310** Spanish for the Professions 2
- **SPAN 360** Spanish Grammar for Teachers 3
- **SPAN 370** Spanish Composition 3
- **SPAN 393** Practicum in Teaching Spanish 1-3
- **SPAN 396/496** Travel Spanish Speak Country 1-4
- **SPAN 445** Reading in Hispanic History 3

Spanish majors and minors must pass a Language Skills Screening before enrolling in a 300 level course.

### Language/Cultural Studies

- **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

- **Aesthetic Engagement or Global Awareness** - 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)

### Total Credits Needed to Graduate

- **120 Hrs**

For complete graduation requirements see page 39.
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

For complete graduation requirements see page 39.

Department Chair:
Shannon VanHorn Ph.D
McFarland 204
701-845-7471
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

For complete graduation requirements see page 39.

Department Chair:
James Boe Ph.D.
McCarthy Hall 155
701-845-7442

General Education Requirements 38 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 Analytic Geometry & 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 2 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 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 33 Hrs
TECH 256 Resources for Technology
TECH 256L Resources for Tech Lab
STEM ED 306 Inv & Innov Tech Ed Child
STEM ED 306L Inv & Innov Tech Ed Child Lab
STEM ED 310 Design Tech & Eng for Elem
STEM ED 310L Design Tech & Eng Elem Lab
TECH 330 Exploring Technology
TECH 330L Exploring Technology Lab
STEM ED 331 Innov & Engineering Design
STEM ED 331L Innov & Engineer Design Lab
STEM ED 342 Building Math
TECH 371 Technology Systems
TECH 371L Technology Systems Lab
STEM ED 411 STEM Curriculum and Methods
TECH 416 Innovations in Technology
TECH 416L Innovations in Tech Lab
STEM ED 431 Design for Engineering
STEM ED 431L Design for Engineering Lab
STEM ED 450 Engineering the Future

Directed Electives 6 Hrs
TECH 300 3D Modeling & Design
TECH 300L 3D Modeling & Design Lab
STEM ED 355 STEM Curriculum & Methods Elem
TECH 391 Foundations of Technology
TECH 391L Foundations of Tech Lab
TECH 394 Independent Study
TECH 456 Intelligent Machines
TECH 456L Intelligent Machines Lab
TECH 478 Technology Assessment
TECH 478L Technology Assessment Lab
TECH 495 Senior Problems

Professional Education Sequence 31-32 Hrs
EDUC 240 Educating Exceptional Stdnts
EDUC 250 Introduction to Education
EDUC 283 Understring Cult Div in Educ
EDUC 300 Educational Technology
EDUC 352 Culturally Diverse Practicum
or EDUC 464 Pract in ELL Classroom
EDUC 351 Sec Practicum & Clsrn Mngt
EDUC 375 Tchg Rdg in Content Areas
EDUC 400 Educational Technology
EDUC 450 Trends in Assess & Educ Issues
EDUC 450 Student Teaching (Sec)
EDUC 300 Educational Technology
PSYC 250 Developmental Psychology
**Courses to be taken the same semester

Total General Education 38 Hrs
Total Major Requirement 39 Hrs
Total Professional Ed Sequence 31-32 Hrs
Total Credits Needed to Graduate 120 Hrs
## Art Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>21 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 112 Design</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>-or- ART 281 Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 311 Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>-or- ART 312 Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>ART 331 Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>3 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 261 Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>-or- ART 281 Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 311 Art History Survey I</td>
<td>3</td>
</tr>
<tr>
<td>- or- ART 312 Art History Survey II</td>
<td>3</td>
</tr>
<tr>
<td>ART 321 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>
</tr>
<tr>
<td>ART 397 VCSU CSA Internship</td>
<td>1</td>
</tr>
<tr>
<td>ART 399 Special Topics - Studio</td>
<td>3</td>
</tr>
<tr>
<td>ART 411 Art History III: Contemp</td>
<td>3</td>
</tr>
<tr>
<td>ART 412 Art History IV: Tribal Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 494 Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>ART 497 Internship</td>
<td>3-12</td>
</tr>
<tr>
<td>ART 155 / COMM 155 Introduction to Photography</td>
<td>2</td>
</tr>
<tr>
<td>ART / COMM 255 Digital and Adobe Elements</td>
<td>2</td>
</tr>
</tbody>
</table>

## Athletic Coaching Minor

<table>
<thead>
<tr>
<th>Required General Education Courses</th>
<th>4 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 111 Concepts of Bio (recommended)</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses:</th>
<th>10 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 109 Exercise Techniques and Program Desig</td>
<td>3</td>
</tr>
<tr>
<td>HPER 207 Prevent &amp; Care of Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>HPER 210 First Aid &amp; CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPER 350 Sport Ethics</td>
<td>2</td>
</tr>
<tr>
<td>HPER 498 Coaching Practicum</td>
<td>2</td>
</tr>
<tr>
<td>Students taking Coaching Practicum must register for HPER 498 and arrange the Practicum through the course instructor. Prerequisites: HPER 207 and HPER 210</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th>6 Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Must complete two of the following:</td>
<td></td>
</tr>
<tr>
<td>HPER 301 Phil &amp; Appl of Football Coaching</td>
<td>2</td>
</tr>
<tr>
<td>HPER 302 Phil &amp; Appl of Basketball Coaching</td>
<td>2</td>
</tr>
<tr>
<td>HPER 303 Phil &amp; Appl of Volleyball Coaching</td>
<td>2</td>
</tr>
<tr>
<td>HPER 304 Phil &amp; Appl Baseball/Softball Coach</td>
<td>2</td>
</tr>
<tr>
<td>HPER 305 Phil &amp; Appl of Track &amp; Field Coach</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 300 Drug Education &amp; Information</td>
<td>2</td>
</tr>
<tr>
<td>HPER 338 Modern Sports Officiating</td>
<td>2</td>
</tr>
<tr>
<td>HPER 410 Administration of HPE &amp; Athletics</td>
<td>2</td>
</tr>
<tr>
<td>or a third coaching class from the following:</td>
<td></td>
</tr>
<tr>
<td>HPER 301 Phil &amp; Appl of Football Coaching</td>
<td>2</td>
</tr>
<tr>
<td>HPER 302 Phil &amp; Appl of Basketball Coaching</td>
<td>2</td>
</tr>
<tr>
<td>HPER 303 Phil &amp; Appl of Volleyball Coaching</td>
<td>2</td>
</tr>
<tr>
<td>HPER 304 Phil &amp; Appl Baseball/Softball Coach</td>
<td>2</td>
</tr>
<tr>
<td>HPER 305 Phil &amp; Appl of Track &amp; Field Coach</td>
<td>2</td>
</tr>
</tbody>
</table>

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

**Required General Education Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 116 Intro to Organic &amp; Biochemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 260 Elements of Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 121 General Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 150 General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 151 General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 170 General Zoology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 311 Botany</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 312 Botany</td>
<td>4</td>
</tr>
</tbody>
</table>

**Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 220 Human Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 221 Human Anatomy &amp; Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 310 Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 315 Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 330 North Dakota Flora</td>
<td>3</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 375 Conservation Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 395 Lab Preparation &amp; Management</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 410 Field Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 440 Biostatistics and Exp. Design</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 441 Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 470 Limnology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL x94 Indep Study/Undergrd Research</td>
<td>1-4</td>
</tr>
<tr>
<td>BIOL x99 Special Topics</td>
<td>1-4</td>
</tr>
</tbody>
</table>

**Biology Minor**

**Business Minor**

**Teaching**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>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>ACCT 315 Business in the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 102 Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 309 Office Management</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 314 Business Reports &amp; Comm</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 336 Business Data Solutions</td>
<td>3</td>
</tr>
<tr>
<td>BVED 390 Methods and Materials for Teaching Business Subjects</td>
<td>3</td>
</tr>
</tbody>
</table>

**Non Teaching**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>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>ACCT 315 Business in the Legal Environment</td>
<td>3</td>
</tr>
<tr>
<td>BOTE 314 Business Reports &amp; Comm</td>
<td>3</td>
</tr>
<tr>
<td>CIS 369 Enterprise Systems</td>
<td>3</td>
</tr>
<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>MRKT 305 Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Business Software Applications Minor**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>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 BVED 390 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**

<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 116 Intro to Organic &amp; Biochemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHEM 260 Elements of Biochemistry</td>
<td>4</td>
</tr>
<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 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 x94 Ind Study/Undergrad Research</td>
<td>1-4</td>
</tr>
</tbody>
</table>

### 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>2</td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 160 Intro to Structured Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CIS 161 Intro to Structured Programming II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 242 Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CIS 350 Assembly Language Programming</td>
<td>3</td>
</tr>
<tr>
<td>-OR- CIS 372 Comparative Programming Lang.</td>
<td>3</td>
</tr>
<tr>
<td>CIS 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>TECH 450 Electronic Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

*Can be used as an elective if not being used as a required course.*

**The student must have at least three hours from the directed electives that are not in major requirements or major electives. Electives must be approved by an adviser from the Mathematics Department.*

### 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 Intro College Physics I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Courses**

<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 - Elementary Minor**

**Required Courses**  
6 Hours

- ENGL 271 Literary Analysis I  
  3
- ENGL 480 Shakespeare  
  3

**Electives**  
16 Hours

- Literature Electives  
  9
- Writing Electives  
  7

In consultation with an advisor from the Department of Language and Literature, select a minimum of 9 hours in literature and 7 hours in language/writing courses. Students may substitute electives in communication and theatre, with permission of Department Chair.

**English - Secondary Minor**

**Required Courses**  
6 Hours

- ENGL 271 Literary Analysis I  
  3
- ENGL 480 Shakespeare  
  3

**Electives**  
16 Hours

- Literature Electives  
  9
- Writing Electives  
  7

In consultation with an advisor from the Department of Language and Literature, select a minimum of 9 hours in literature & 7 hours in language/writing courses. Students may substitute electives in communication and theatre, with permission of Department Chair; students seeking a degree in education will substitute ENGL 490 for any 3 elective credits.

**Health Education Minor**

**Required General Education Courses**

- BIOL 111 or higher Concepts of Biology  
  4

**Required Courses**  
20 Hours

- 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 490A Mthds, Curric & Assess of HPE  
  4
- HPER 490B Practical App of Method in HPE  
  2
- SOC 220 The Family  
  3

**Electives**  
4 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 410 Admin of Health, PE, & Athletics  
  2
- HPER 440 Adapted Physical Education  
  2
- MATH 321 Probability & Statistics  
  3
- PSYC 370 Abnormal Psychology  
  3
- PSYC 410 Mental Health  
  3
- SOC 385 Intro to Gerontology  
  3
- HPER 209 Sports Nutrition Concepts  
  2
- HPER 258 Applied Anat., Phys. & Hum Perfor  
  3
- HPER 259 Applied Anat. Phys. & Hum Perfor  
  3
### History Minor

**Required General Education Courses**
- HIST 103 U.S. to 1877 3
- HIST 104 U.S. to Present 3

**Required Courses** 9 Hours
- HIST 211 World Civilizations to 1500 3
- HIST 212 World Civilizations Since 1500 3
- HIST 470 Topics in Non-Western History 3

**Electives** 15 Hours

**The Americas** 9 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** 6 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** 12 Hours
- MGMT 330 Principles of Management 3
- MGMT 370 Business Ethics 3
- MGMT 425 Human Resources Management 3
- MGMT 426 Comp & Benefits Administration 3

**Directed Electives** 12 Hours
- COMM 311 Communication & Interviewing 3
- COMM 304 Corporate Communications 3
- COMM 483 Organizational Communication 3
- MGMT 372 Foundations of Leadership 3
- MGMT 430 Organizational Behavior 3
- SOC 300 Race, Ethnic, & Gender Relations 3*

* This course requires SOC 110 as a prerequisite.

### 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 hs) as described in the catalog and ND Teacher Certification qualifies students as a Library Media Specialist in ND at the LMO2 level.
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 BVED 390, BVED 431, BVED 432, BVED 434.

**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**

**Required Courses** 5 Hrs
- BVED 390 Methods & Materials Tchg Business Subj 3
- BVED 434 Leadership Career/Tech Org 2

**Electives** 6 Hrs
- BOTE 337 Authoring Digital Publications 3
- BVED 431 Hist, Phil, & Practices of CTE 3
- BVED 432 Coord Cooperative Ed Learning 2
- CIS 369 Enterprise Applications 3
- MGMT 425 Human Resource Management 3
- MGMT 426 Compensation and Benefits Adm 3
- MRKT 319 Website Authoring 3
- MRKT 370 Advertising & Promotions 3
- MRKT 375 Consumer Behavior 3
- MRKT 415 Marketing Research & Info 3

**Non-Teaching**

**Required Courses** 6 Hrs
- MRKT 370 Advertising and Promotions 3
- MRKT 415 Mrkt Research & Information 3

**Electives** 6 Hrs
- BOTE 337 Authoring Digital Publications 3
- CIS 369 Enterprise Applications 3
- MGMT 425 Human Resource Management 3
- MGMT 426 Compensation and Benefits Adm 3
- MRKT 319 Website Authoring 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.

**Mathematics Minor**

**Required Courses** 18 Hours
- MATH 165 Analytic Geometry & Calculus I 4
- MATH 166 Analytic Geometry & Calculus II 4
- MATH 265 Analytic Geometry & Calculus III 4
- MATH 321 Probability & Statistics 3
- MATH 330 Linear Algebra & Matrices 3

**Electives** 6 Hrs
- CSCI 127 Intro to Programming in Java 3
- CSCI 160 Intro Structured Programming I 3
- CSCI 161 Intro Structured Programming II 3
- CSCI 350 Assembly Language Programming 3
- CSCI 365 Programming Language Topics 3
- MATH 266 Differential Equations 3
- MATH 300 Symbolic Logic 1
- MATH 311 College Geometry I 2
- 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-Elementary the student must successfully complete Math 102 with a 2.0 average or better or two 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.

**Mathematics - Elementary Minor**

**Required General Education Courses**
- CIS 170 Intro Computer Information Systems 2
- MATH 277 Math for Elementary Teachers I 3

**Required Courses** 9 Hours
- MATH 103 College Algebra 3
- MATH 105 Plane Trigonometry 3
- MATH 321 Probability & Statistics 3

**Electives** 13 Hours
- CSCI 127 Intro to Programming in Java 3
- CSCI 160 Intro Structured Programming I 3
- CSCI 161 Intro Structured Programming II 3
- MATH 165 Analytic Geometry & Calculus I 4
- MATH 166 Analytic Geometry & Calculus II 4
- MATH 265 Analytic Geometry & Calculus III 4
- MATH 300 Symbolic Logic 1
- MATH 311 College Geometry I 2
- MATH 312 College Geometry II 3
- MATH 330 Linear Algebra & Matrices 3
- MATH 340 Algebraic Structures I 4
- MATH 400 History of Math & Philosophy 3
Mathematics-Secondary Minor

Required General Education Courses
- CSCI 127 Intro to Programming in Java 3
- or CSCI 160 Intro Structured Programming I 3

Required Courses 22 Hours
- MATH 165 Analytic Geometry & Calculus I 4
- MATH 166 Analytic Geometry & Calculus II 4
- MATH 265 Analytic Geometry & Calculus III 4
- MATH 300 Symbolic Logic 1
- MATH 311 College Geometry I 2
- MATH 340 Algebraic Structures I 4
- MATH 490 Tchg Secondary School Math 3

Electives 3 Hours
- CSCI 127 Intro to Programming in Java 3
- CSCI 160 Intro Structured Programming I 3
- CSCI 161 Intro Structured Programming II 3
- MATH 266 Differential Equations 3
- MATH 312 College Geometry II 3
- MATH 321 Probability and Statistics 3
- MATH 330 Linear Algebra & Matrices 3
- 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 adviser 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 credit hours) 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.

Non-Teaching Track 14 Hours
- MUS 109 Music Theory I 3
- MUS 110 Music Theory II 3
- MUS 121 Aural Skills I 1
- MUS 122 Aural Skills II 1
- 100-level Applied Music (2 semesters) 2
- 200-level Applied Music (2 semesters) 4

Electives 6 Hrs
- Ensembles MUS 131, 132, 141, 142, 144 1-4
- Applied Lessons 1-2
- MUS 231, 232 Diction I, II 1 Hr each*
- MUS 303 Instrumental Conducting & Lit 2
- or MUS 304 Choral Conducting & Lit 2
- MUS 325 Vocal Methods 1
- MUS 331, 332, 333 Music Hist I, 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

Teaching Track 9 Hours
Required Courses
- 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 290 Music Activities for Elem Teachers 2

Electives 11 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 390 Music in the Elementary School 3

# Students may count one semester of MUS 152 Class Voice toward this requirement.

Music with an Emphasis with Business Minor

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 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
- MUS 143 Garage Band 1
- Ensemble (MUS 131, 132, 141, 142, 143, 144) 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 Office Management  3
BOTE 314 Business Reports & Comm  3
BOTE 336 Business Data Solutions  3
BOTE 337 Authoring Digital Publications  3
CIS 369 Enterprise Systems  3
-or- MGMT 426 Compensation & Benefits Admn  3
MGMT 425 Human Resource Management  3

B S in Education students must take BVED 390 Methods for Teaching Business Subjects.

Office Management Minor

Required Courses  24 Hours
ACCT 200 Elements of Accounting I  3
ACCT 201 Elements of Accounting II  3
BOTE 309 Office Management  3
BOTE 314 Business Reports & Comm  3
BOTE 336 Business Data Solutions  3
BOTE 337 Authoring Digital Publications  3
CIS 369 Enterprise Systems  3
-or- MGMT 426 Compensation & Benefits Admn  3
MGMT 425 Human Resource Management  3

B S in Education students must take BVED 390 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  20 Hours
HPER 208 Introduction to Physical Education  2
HPER 210 First Aid & CPR  1
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 440 Adapted Physical Education  2
HPER 490A Mthds, Curric & Assess of HPE  4
HPER 490B Practical App of Method in HPE  2
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 Analytic Geometry & 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>25 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 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.

The student must achieve a grade of C or better in each of the specified courses.

# Psychology Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>9 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>

<table>
<thead>
<tr>
<th>Electives</th>
<th>12 Hours</th>
</tr>
</thead>
<tbody>
<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 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>

# Sociology Minor

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>6 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.

<table>
<thead>
<tr>
<th>Electives</th>
<th>15 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any SOC prefix course can be used to complete this section.</td>
<td></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 490 Methods of Teaching Spanish 3

Electives 8 Hrs
- SPAN 310 Spanish for the Professions 3
- SPAN 320 Intro to Hispanic Literature 3
- SPAN 345 Hist & Geog of Spain & Latin Am. 3
- SPAN 350 Hispanic Culture & Civilization 3
- SPAN 360 Spanish Grammar for Teachers 3
- SPAN 370 Spanish Composition 3
- SPAN 415 Adv. Spanish Conversation 3
- SPAN 420 Readings in Hispanic Lit. 3
- SPAN 445 Readings in Hispanic History 3

For the Bachelor of Arts or the Bachelor of Science degree, the student may substitute a directed elective in Spanish for SPAN 490.

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 COMM 150, 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>
<th>Electives</th>
<th>3 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 256 Resources for Technology</td>
<td>2</td>
<td>TECH 300 3D Modeling &amp; Design</td>
<td>2</td>
</tr>
<tr>
<td>TECH 256L Resources for Technology Lab</td>
<td>1</td>
<td>TECH 300L 3D Modeling &amp; Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 306 Inventions &amp; Innovations for Child</td>
<td>2</td>
<td>STEM ED 310 Design, Tech &amp; Engin for Elem</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 306L Inventions &amp; Innovations Child Lab</td>
<td>1</td>
<td>STEM ED 310L Design, Tech &amp; Eng for Elem Lab</td>
<td>1</td>
</tr>
<tr>
<td>TECH 330 Exploring Technology</td>
<td>2</td>
<td>STEM ED 342 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>TECH 330L Exploring Technology Lab</td>
<td>1</td>
<td>STEM ED 355 STEM Curric &amp; Methods Elem</td>
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</tr>
<tr>
<td>STEM ED 331 Innov &amp; Engineering Design</td>
<td>2</td>
<td>TECH 371 Technology Systems</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 331L Innov &amp; Engineering Design Lab</td>
<td>1</td>
<td>TECH 371L Technology Systems Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 411 STEM Curriculum and Methods</td>
<td>3</td>
<td>TECH 391 Foundations of Technology</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 431 Design for Engineering</td>
<td>2</td>
<td>TECH 391L Foundations of Technology Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 431L Design for Engineering Lab</td>
<td>1</td>
<td>TECH 394 Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>STEM ED 450 Engineering the Future</td>
<td>3</td>
<td>TECH 416 Innovations in Technology</td>
<td>2</td>
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<td></td>
<td></td>
<td>TECH 416L Innovations in Technology Lab</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>TECH 456 Intelligent Machines</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TECH 456L Intelligent Machines Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TECH 478 Technology Assessment</td>
<td>2</td>
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<td></td>
<td></td>
<td>TECH 478L Technology Assessment Lab</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<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>
<th>Electives</th>
<th>9 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 110 Introduction to Theatre Arts *</td>
<td>3</td>
<td>MUS 170 Voice Class ***</td>
<td>1</td>
</tr>
<tr>
<td>THEA 161 Acting I *</td>
<td>3</td>
<td>ART 112 Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 229 Fund of Creative Dramatics</td>
<td>3</td>
<td>THEA 201 Theatre Practicum **</td>
<td>1-3</td>
</tr>
<tr>
<td>THEA 365 Directing the Play</td>
<td>3</td>
<td>THEA 350 Costume &amp; Makeup Design</td>
<td>3</td>
</tr>
<tr>
<td>THEA 270 Stagecraft</td>
<td>3</td>
<td>THEA 361 Acting II - Advanced Acting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 201 Theatre Practicum</td>
<td>1-2</td>
<td>THEA 401 Theatre Workshop **</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>THEA 404 Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>THEA 494 Directed Study</td>
<td>1-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>THEA 497 Internship **</td>
<td>3-12</td>
</tr>
<tr>
<td>* Cannot count course for General Education requirement and Theatre minor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>** Up to four credits (each) may be used for the Theatre minor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*** Up to two credits (each) may be used for the Theatre minor</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Athletic Coaching Certificate of Completion

**Required Courses** 10 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 109 Exercise Techniques and Prog. Design</td>
<td>3</td>
</tr>
<tr>
<td>HPER 207 Prevent &amp; Care of Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>HPER 210 First Aid and CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPER 350 Sport Ethics</td>
<td>2</td>
</tr>
<tr>
<td>HPER 498 Coaching Practicum</td>
<td>2</td>
</tr>
</tbody>
</table>

**Electives** 4 Hours

- Must complete one of the following:
  - HPER 338 Modern Sports Officiating 2
  - HPER 410 Administration of HPE & Athletics 2
  - HPER 425 Soc/Psyc Aspects Sport & PE 2

Students taking Coaching Practicum must register for HPER 498 and arrange the Practicum through the course instructor.

Prerequisites: HPER 207 and HPER 210

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.

## Customer Relationship Management Certificate

**Required Courses** 19 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 276 Business Languages</td>
<td>3</td>
</tr>
<tr>
<td>CIS 381 Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 385 Database Theory/Design</td>
<td>3</td>
</tr>
<tr>
<td>CIS 420 Internet Languages</td>
<td>3</td>
</tr>
<tr>
<td>CIS 470 CRM and BI</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 127 Introduction to Programming in Java</td>
<td>3</td>
</tr>
</tbody>
</table>

## Digital Design Certificate of Completion

**Required Courses** 15 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 112 Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 231 Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 331 Drawing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 440 Advanced Digital Web Design</td>
<td>3</td>
</tr>
<tr>
<td>-or- BOTE 337 Authoring Digital Publications</td>
<td>3</td>
</tr>
<tr>
<td>MRKT 319 Web Site Authoring</td>
<td>3</td>
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</tbody>
</table>

**Electives** 12-13 Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 276 Business Languages</td>
<td>3</td>
</tr>
<tr>
<td>CIS 371 Enterprise Systems II</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 410 Advanced Business Languages</td>
<td>3</td>
</tr>
<tr>
<td>CIS 470 CRM and BI</td>
<td>4</td>
</tr>
<tr>
<td>CIS 475 Integration of Business Processes in SAP ERP</td>
<td>6</td>
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<tr>
<td>CSCI 160 Introduction to Structured Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CSCI 365 Programming Language Topics</td>
<td>3</td>
</tr>
</tbody>
</table>
### Music Composition Certificate of Completion

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 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 201 Music Theory III</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 201 Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 120 Composition (2 semesters)</td>
<td>2</td>
</tr>
<tr>
<td>MUS 220 Composition (1 semester)</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Required General Education Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 100 Music Appreciation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 101 Music Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>-or MUS 109 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 102 Introduction to Digital Audio Recording</td>
<td>3</td>
</tr>
<tr>
<td>MUS 207 History of Rock’n’Roll</td>
<td>3</td>
</tr>
<tr>
<td>MUS 209 Advanced Recording &amp; Mastering</td>
<td>2</td>
</tr>
<tr>
<td>MUS 309 Music Industry Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MUS 143 Garage Band</td>
<td>1</td>
</tr>
</tbody>
</table>

### Piano Pedagogy Certificate of Completion

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 109 Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 121 Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 150 Applied Piano (1 semester)</td>
<td>2</td>
</tr>
<tr>
<td>MUS 332 Music History II - or</td>
<td>3</td>
</tr>
<tr>
<td>MUS 333 Music History III</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>

### Strength and Conditioning Certificate of Completion

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>11 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPER 109 Exercise Techniques &amp; Program Design</td>
<td>3</td>
</tr>
<tr>
<td>HPER 210 First Aid &amp; CPR</td>
<td>1</td>
</tr>
<tr>
<td>HPER 209 Sport Nutrition Concepts</td>
<td>2</td>
</tr>
<tr>
<td>HPER 258 Applied Ana/Phys &amp; Human Performance</td>
<td>3</td>
</tr>
<tr>
<td>HPER 390 Fitness Assessment &amp; Exercise Prescription</td>
<td>2</td>
</tr>
</tbody>
</table>
STEM Education - Elementary Certificate of Completion

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 342 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 306 Invent/Innov-Tech Ed for Children</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 306L Invent/Innov-Tech Ed for Children Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 310 Design/Tech/Eng for Elementary</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 310L Design/Tech/Eng for Elementary Lab</td>
<td>1</td>
</tr>
<tr>
<td>STEM ED 355 STEM Curriculum &amp; Methods for Elementary</td>
<td>3</td>
</tr>
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</table>

12 Hours

STEM Education - Secondary Certificate of Completion

Required Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 411 STEM Curriculum and Methods</td>
<td>3</td>
</tr>
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</table>

3 Hours

Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM ED 342 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 331 Innovation/Engineering Design</td>
<td>2</td>
</tr>
<tr>
<td>STEM ED 331L Innovation/Engineering Design Lab</td>
<td>1</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>
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</table>

9 Hours

ELL Endorsement

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDUC 283 Cultural Diversity in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 361 Foundations of Bilingual and Multicultural Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 363 Assessing ELL Proficiency</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 390 Methods of Teaching ELL</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 464 Practicum in the ELL Classroom</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 309 Linguistics &amp; Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 409 Language &amp; Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

17 Hours
Kindergarten Endorsement

Required Courses  
12-17 Hours
EDUC 310 Introduction to Early Childhood Education 3
EDUC 313 Language and Literacy in Early Childhood Education 2
EDUC 337 Pre-K Observation and Assessment 3
EDUC 435 Kindergarten Education and Curriculum 4
EDUC 485 Student Teaching or One year K-1 Experience 5

ND Middle Level Endorsement

Required Courses  
11 Hours
EDUC 305 Philosophy and Curriculum of Middle Level Education 3
EDUC 375 Teaching Reading in the Content Area 2
EDUC 470 Methods of Teaching in the Middle School 3
PSYC 250 Developmental Psychology 3
Students are required to complete a 20 hour practicum in an approved middle level setting.

Title I Reading Credential

1. Hold a valid North Dakota educator’s professional license.
2. Have a major, or endorsement, in elementary education.
3. Complete the following courses:
   EDU 375 Teaching Reading in the Content Area
   EDU 430 Diagnosis and Correction of Reading Difficulties
   EDU 431 Practicum in Corrective Reading (Elementary)
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
   EDU 310 Intro to Early Childhood Education
   EDU 313 Language & Literacy in Early Childhood Education
   Research & Literature in Reading/Language Arts
   EDU 321 Foundations of Reading Instruction
   EDU 323 Methods of Reading in the Elementary School
   EDU 330 Children’s Literature
   Exceptional Child
   EDU 240 Educating Exceptional Students
   EDU 340 Learning Disabilities

To obtain a reading credential, students make application to the North Dakota Department of Public Instruction after graduation and attainment of their initial North Dakota license for elementary teaching.
ACADEMIC SKILLS COURSES

ASC 150 LEARNING TO LIVE, LIVING TO LEARN 1 HOUR
A freshman experience that begins during opening weekend and extends through the fall semester. Topics include team building, campus services, adjusting to college, time management, academic advising, academic policies, learning styles, stress management, and paying for college. (Fall)

ASC 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)

ASC 199/499 SPECIAL TOPICS 1-3 HOURS
An independent, special topics study of a specific area. (Fall, Spring)

ASC 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)

ASC 291/491 SEMINARS 3 HOURS
(Fall, Spring)

ACCT 200 ELEMENTS OF ACCOUNTING I 3 HOURS
An introduction to the basic principles of the complete accounting cycle. (Fall, Spring)

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. (Fall, 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, Spring)

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 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. (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 230 CRAFT ACTIVITIES 2 HOURS
A study of the methods and materials used in developing craft items for the elementary classroom. Creative activities are stressed. Cross-referenced with EDUC 230. (Fall)

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 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 drawing based on the human figure. 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 ART 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 HOURS
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 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

BIOL 111 CONCEPTS OF BIOLOGY 4 HOURS
An introductory concepts 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)

BIOL 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 fish and lab methods, and wildlife and fisheries careers. (Fall)

BIOL 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)

BIOL 150, 151 GENERAL BIOLOGY 4 HOURS EACH
A two-semester sequenced study of the fundamental concepts of biology through lecture and laboratory work. BIOL 150 is focused on cellular biology and physiology. BIOL 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)

BIOL 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)

BIOL 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)

BIOL 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: BIOL 111 or 150 or 151. (Fall)

BIOL 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: BIOL 111 or 150 or 151. (Spring)

BIOL 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 micro organisms. 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. Prerequisite: 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 MAMMALOGY 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 include field trips. Prerequisites: 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 relations to oneself as well as in interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role of identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with HPER 380 and PSYC 380. (Fall, Spring)

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, Spring)

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 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. Prerequisites: 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 GPS 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. 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 HOUR
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).
BIO 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)

BIO 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)

BIO 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 OFFICE MANAGEMENT 3 HOURS
An introduction of office management concepts and technology. Topics include office facilities development, office systems, human relations, office ethics and etiquette, and various administrative duties and responsibilities. (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: ENGL 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)

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 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)

CAREER AND TECHNICAL EDUCATION

BVED 204 BUSINESS SOFTWARE APPLICATIONS 1-3 HOURS
A variable credit course that focuses on a specific software application. (With sufficient student demand)

BVED 390 METHODS & MATERIALS FOR TEACHING BUSINESS SUBJECTS 3 HOURS
A focus on the development of competencies in preservice teachers which apply to the teaching of numerous business subjects. Special emphasis is placed on technology, various instructional strategies, and Technical Education Teacher Credentialing Requirements in lieu of BVED 490, Methods for Teaching Career and Technical Education Subjects. The course must be taken before student teaching. (Fall)

BVED 431 HISTORY, PHILOSOPHY & PRACTICES OF CAREER & TECHNICAL EDUCATION 3 HOURS
A study of the history, growth, theory, and present status of Career and Technical Education in secondary and post-secondary schools. The course focuses on principles, practices, and major issues of Career and Technical Education and its relationship to individual Career and Technical service areas. This course will also cover relationships between general education and Career and Technical Education. (Fall, Summer)

BVED 432 COORDINATING COOPERATIVE EDUCATION LEARNING 2 HOURS
A study of principles and techniques used in coordinating cooperative work experiences for students in Career and Technical Education. Included is a study of labor laws, public relations programs, advisory committees, and organization and supervision of on-the-job training, evaluation, and follow-up of student learners. (Fall, Summer, alternate years)
CHEMISTRY

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, MATH 102 (Intermediate Algebra) or high school equivalent. (Fall)

CHEM 116 INTRO TO ORGANIC & BIOCHEMISTRY 5 HOURS
A study of alkanes, alkenes, alkyenes, aromatics, alcohols, phenols, 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, thermodynamics, bonding, molecular geometry, periodicity, gases, intermolecular forces, liquids, solids, kinetics, thermal behavior, 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 MATH 102. CHEM 121 is a prerequisite for CHEM 122. (CHEM 121-Fall; CHEM 122-Spring)

CHEM 260 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 341. (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. Prerequisite: CHEM 121. CHEM 341 is a prerequisite for CHEM 342. (Fall, even years; Spring, odd years)

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 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)
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, Summer online)

COMM 112 UNDERSTANDING MEDIA AND SOCIAL CHANGE 3 HOURS
An exploration of the purpose, function, and impact of media on society. (Spring, Summer, odd; 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)

COMM 115 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, Spring, odd; online)

COMM 211 ORAL INTERPRETATION 3 HOURS
A course focused on the study of the development of effective oral techniques through the analysis and performative reading of all types of literature. (Spring, odd)

COMM 212 INTERPERSONAL COMMUNICATION 3 HOURS
An examination of styles, patterns, and challenges in human communication in both verbal and nonverbal contexts. (Spring, Summer, odd; 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, Summer, odd)

COMM 211 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, odd; Fall, Spring, odd; 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. (Spring, odd; 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. Recommended: COMM 200. (Spring, Spring even 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; Fall, odd)

COMM 340 RESEARCH METHODS 3 HOURS
An exploration of social science research. Fundamentals and application of data gathering, measurement, and analysis are addressed. Ethical and responsible research practices are examined. Cross-referenced with SOC 340, PSYC 340, and POLS 340. Prerequisite: ENGL 110, ENGL 120 or 125 (Fall, Spring, Online)

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, 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, 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; Spring, odd)

COMM 440 UNDERSTANDING STATISTICS  3 HOURS
A course designed to acquaint students with descriptive, inferential, and correlated statistics, when these tests are used, and how to read and discuss the results. Cross-referenced with POLS 440, PSYC 440, and SOC 440. Prerequisites: MATH 103 or 104; COMM/POLS/PSYC/SOC 340 (Spring)

COMM 440 UNDERSTANDING STATISTICS  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 460 MEDIA ETHICS  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 463 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, even years; Spring, odd years online)

COMM 483 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 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  2 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 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 on 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: CIS369. (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. (Fall)
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<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 381</td>
<td>PROJECT MANAGEMENT</td>
<td>3 HOURS</td>
<td>An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the nine knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with MGMT 381. (Spring)</td>
</tr>
<tr>
<td>CIS 385</td>
<td>DATABASE THEORY/DESIGN</td>
<td>3 HOURS</td>
<td>An introduction to relational database concepts, theory, design, and management. (Fall)</td>
</tr>
<tr>
<td>CIS 410</td>
<td>ADVANCED BUSINESS LANGUAGES</td>
<td>3 HOURS</td>
<td>An exploration of intermediate and advanced topics in business languages utilizing Visual Basic or equivalent software. Prerequisite: CIS 276. (Spring, even years)</td>
</tr>
<tr>
<td>CIS 420</td>
<td>INTERNET LANGUAGES</td>
<td>3 HOURS</td>
<td>Instruction in intermediate and advanced Internet language and the theory needed to integrate databases for web-based application such as E-commerce. (Spring, even years)</td>
</tr>
<tr>
<td>CIS 440</td>
<td>ADVANCED DIGITAL WEB DESIGN</td>
<td>3 HOURS</td>
<td>Instruction in digital design theory and intermediate to advanced web languages needed to create complex and effective web sites. Prerequisite: MRKT 319. (Spring, odd years)</td>
</tr>
<tr>
<td>CIS 460</td>
<td>ENTERPRISE ARCHITECTURE</td>
<td>3 HOURS</td>
<td>An exploration into the design, implementation and management of enterprise IT solutions. (Spring, even years)</td>
</tr>
<tr>
<td>CIS 470</td>
<td>CUSTOMER RELATIONSHIP MANAGEMENT (CRM) AND BUSINESS INTELLIGENCE (BI)</td>
<td>4 HOURS</td>
<td>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)</td>
</tr>
<tr>
<td>CIS 475</td>
<td>INTEGRATION OF BUSINESS PROCESSES SAP ERP</td>
<td>6 HOURS</td>
<td>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)</td>
</tr>
<tr>
<td>CIS 480</td>
<td>CAPSTONE PROJECT</td>
<td>3 HOURS</td>
<td>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)</td>
</tr>
<tr>
<td>CIS 491</td>
<td>SENIOR PORTFOLIO</td>
<td>1 HOUR</td>
<td>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)</td>
</tr>
<tr>
<td>CIS 497</td>
<td>INTERNSHIP</td>
<td>3-12 HOURS</td>
<td>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)</td>
</tr>
<tr>
<td>CIS 199-499</td>
<td>SPECIAL TOPICS</td>
<td>1-3 HOURS</td>
<td>Seminars, workshops, or individual study in computer information systems. Prerequisite: Permission of instructor and approval of Division Chair. (Fall, Spring, Summer)</td>
</tr>
<tr>
<td>CSCI 120</td>
<td>INTRODUCTION TO PROGRAMMING</td>
<td>3 HOURS</td>
<td>An introduction to computer programming using any programming language. Prerequisite: MATH 102 or the equivalent. (Spring, even years)</td>
</tr>
<tr>
<td>CSCI 124</td>
<td>C++ I</td>
<td>4 HOURS</td>
<td>An introduction to programming in C++. The course is only offered online. (Fall, Spring)</td>
</tr>
<tr>
<td>CSCI 127</td>
<td>INTRODUCTION TO PROGRAMMING IN JAVA</td>
<td>3 HOURS</td>
<td>An introduction to computer programming using the Java language. Prerequisite: MATH 102 or the equivalent. (Spring, odd years)</td>
</tr>
<tr>
<td>CSCI 160</td>
<td>INTRODUCTION TO STRUCTURED PROGRAMMING I</td>
<td>3 HOURS</td>
<td>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)</td>
</tr>
<tr>
<td>CSCI 161</td>
<td>INTRODUCTION TO STRUCTURED PROGRAMMING II</td>
<td>3 HOURS</td>
<td>A continuation of CSCI 160. Topics include: Arrays, structures, object-oriented programming, inheritance, polymorphism string manipulation, recursion and pointers. Prerequisite: CSCI 160. (Spring)</td>
</tr>
<tr>
<td>CSCI 174</td>
<td>C++ II</td>
<td>4 HOURS</td>
<td>An intermediate course in programming in C++. The course is only offered online. (Fall, Spring)</td>
</tr>
<tr>
<td>CSCI 242</td>
<td>DATA STRUCTURES</td>
<td>3 HOURS</td>
<td>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. (Fall, even years)</td>
</tr>
<tr>
<td>CSCI 350</td>
<td>ASSEMBLY LANGUAGE PROGRAMMING</td>
<td>3 HOURS</td>
<td>An exploration of microprocessor-based machine and assembly language concepts. Prerequisite: CSCI 370. (Spring, even years)</td>
</tr>
<tr>
<td>CSCI 365</td>
<td>PROGRAMMING LANGUAGE TOPICS</td>
<td>3 HOURS</td>
<td>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: Either CSCI 160 or CSCI 181. (With sufficient student demand)</td>
</tr>
<tr>
<td>CSCI 370</td>
<td>COMPUTER ORGANIZATION &amp; SYSTEMS</td>
<td>3 HOURS</td>
<td>An examination of the fundamentals of computer organization and operating system concepts. Prerequisite: Either CSCI 160 or CSCI 181. (Fall, odd years)</td>
</tr>
</tbody>
</table>
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 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)

ECONOMICS

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, odd years)

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, even 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, Summer)

EDUC 230 CRAFT ACTIVITIES 2 HOURS
A study of the methods and materials used in developing craft items for the elementary classroom. Creative activities are stressed. Cross-referenced with ART 230. (Fall)

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, Summer)

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)

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)

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 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)

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 2 HOURS
Methods and materials used to present mathematical concepts and number systems. The course includes an overview of current best practices for teaching mathematical concepts to elementary students. Special emphasis is placed on problem solving, mathematical reasoning, and using technology to support the study of mathematics. Prerequisite: MATH 277 (Fall, Summer).

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 ELEM 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 literacy and visual elements and the multicultural concept are explored. (Fall, Summer)

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)

EDUC 340 LEARNING DISABILITIES 2 HOURS
A study of psychological and educational research findings pertaining to the child with a learning disability. Emphasis is given to current research, appropriate methodology, and behavior modification techniques. Prerequisite: EDUC 240. (Fall)

EDUC 350 ELEM 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 an 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 ELEM 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)

EDUC 375 TEACHING READING IN THE CONTENT AREAS 2 HOURS
A study of reading in the content areas. Methodology, organization of classroom, study skills, and strategies for dealing with the culturally different student are emphasized. (Fall, Spring, Summer)

EDUC 390 METHODS OF TEACHING ELL 2 HOURS
A study of the methods, materials and trends in teaching the English language learner. (Spring)
EDUC 400 EDUCATIONAL PSYCHOLOGY 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 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 432 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 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 EDUC. 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 454 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 METH. 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. (Summer)

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)

EDUC 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)

ENGLISH

ENGL 100 WRITING SKILLS 3 HOURS
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)

ENGL 101 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)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110</td>
<td>COLLEGE COMPOSITION I</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 120</td>
<td>COLLEGE COMPOSITION II</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 125</td>
<td>INTRODUCTION TO PROFESSIONAL WRITING</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 220</td>
<td>INTRODUCTION TO LITERATURE</td>
<td>3 HOURS</td>
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<tr>
<td>ENGL 225</td>
<td>INTRODUCTION TO FILM</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 241</td>
<td>WORLD LITERATURE I</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 242</td>
<td>WORLD LITERATURE II</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 261</td>
<td>AMERICAN LITERATURE I</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 262</td>
<td>AMERICAN LITERATURE II</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 271</td>
<td>LITERARY ANALYSIS I</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 300</td>
<td>GRAMMATICAL ANALYSIS</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 305</td>
<td>WRITING WORKSHOP (a, b, c, d)</td>
<td>1 HOUR</td>
</tr>
<tr>
<td>ENGL 309</td>
<td>LINGUISTICS AND LANGUAGE ACQUISITION</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 310</td>
<td>ADVANCED COMPOSITION</td>
<td>3 HOURS</td>
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<tr>
<td>ENGL 321</td>
<td>ENGLISH LITERATURE I</td>
<td>3 HOURS</td>
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<tr>
<td>ENGL 322</td>
<td>ENGLISH LITERATURE II</td>
<td>3 HOURS</td>
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<tr>
<td>ENGL 330</td>
<td>CREATIVE WRITING</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 340</td>
<td>STUDIES IN AMERICAN LITERATURE</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 350</td>
<td>YOUNG ADULT READING AND LITERATURE</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 360</td>
<td>LITERATURE IN TRANSLATION</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 391</td>
<td>GLOBAL SEMINAR</td>
<td>1-3 HOURS</td>
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<tr>
<td>ENGL 393</td>
<td>WRITING CENTER TUTORING</td>
<td>1 HOUR</td>
</tr>
<tr>
<td>ENGL 409</td>
<td>LANGUAGE AND CULTURE</td>
<td>3 HOURS</td>
</tr>
<tr>
<td>ENGL 410</td>
<td>TECHNICAL &amp; SCIENTIFIC WRITING</td>
<td>3 HOURS</td>
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</tbody>
</table>

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)

A course which continues the development of ENGL 110 skills with emphasis on research writing and documentation. Prerequisite: ENGL 110 (C or better). (Spring)

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)

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)

A course which introduces students to film studies, including analysis of narrative and stylistic elements of films. (Spring)

A survey of major world literature texts dating from antiquity through medieval times. (Fall, even years)

A survey of major world literature texts dating from the Renaissance to the present. (Spring, odd years)

A survey of the principle authors and literary movements to the end of the Civil War. (Fall, odd years)

A survey of the principle authors and literary movements from the end of the Civil War to the present time. (Spring, even years)

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)

A practical course in grammatical construction and usage, including traditional, structural, and transformational descriptions. (Spring, even years)

A workshop course dealing with original student work in a specific creative writing genre including poetry, drama, fiction, or creative non-fiction. (Repeateable) (Fall, Spring)

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. (Spring, even years)

An intensive study of prose composition, giving special attention to writing methodology, to the expository essay and to the argumentative essay. (Spring, odd years)

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)

A survey of principal British authors and literary movements from the Romantic period to the present time. (Fall, odd years)

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)

An advanced course which examines selected genres, authors, themes, or eras in American Literature. (Repeatable). (Spring, even years)

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)

A study of representative works from non-English speaking counties with emphasis on literary representation of postcolonial and postmodern experience. (With sufficient student demand)

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)

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)

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. Pre-Req. ENGL 309 (Fall, online)

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). (Fall, odd years)

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)

FINANCE

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, Spring)

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)

GEOGRAPHY

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 numbered years)

GEOG 111 SURVEY OF GEOGRAPHY 2 HOURS
A non-ethnocentric examination of the geography of human lifestyles and activities and their roles in human-environment interaction. (Fall, Spring)

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. (Fall, 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. (Spring, odd years)

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. Prerequisite: GEOL 100. (Fall, even-numbered years)

GEOG 399 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)

GEOG 400 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)

GEOG 406 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 numbered years)

GEOG 410 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)

GEOG 415 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)

GEOG 425 HISTORY & GEOGRAPHY 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, even years)

GEOG 432 SOIL SCIENCE & SURVEY 4 HOURS
A study 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)

GEOG 435 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. (Spring, odd years)

GEOG 439 FIELD EXPERIENCE IN GEOGRAPHY 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)

GEOG 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 119 TRACK & FIELD- VARSITY (SPRING) 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. (Spring)

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, Summer)

HPER 209 SPORT NUTRITION CONCEPTS 2 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, Summer).

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. (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 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. (Fall, Spring)

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 338 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, Spring)

HPER 350 SPORT ETHICS 2 HOURS
An investigation of the ethical issues facing coaches in today’s society. Focus is place 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)

HPER 360 INSTRUCTION & ORGANIZATION OF INDIVIDUAL/DUAL ACTIVITIES 3 HOURS
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)

HPER 361 INSTRUCTION AND ORGANIZATION OF TEAM ACTIVITIES 2 HOURS
The instruction, practice and organization of team activities. Units include basketball, flag football, korfball, lacrosse, soccer, softball, team handball, and volleyball. (Spring)

HPER 380 HUMAN SEXUALITY 3 HOURS
A study of the role and meaning of human sexuality in relations 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 of identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with BIOL 380 and PSYC 380. (Fall, Spring)

HPER 390 FITNESS ASSESSMENT AND PRESCRIPTION 2 HOURS
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)

HPER 400 CURRENT ISSUES IN COMMUNITY HEALTH 2 HOURS
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, Summer)
HPER 405 ADVANCED TOPICS IN STRENGTH AND CONDITIONING 2 HOURS
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)

HPER 410 ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION & ATHLETICS 2 HOURS
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)

HPER 420 RECREATION & LEISURE IN MODERN SOCIETY 2 HOURS
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)

HPER 424 CLINICAL EXPERIENCES IV 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: general medical conditions, therapeutic exercise, and injury recognition and evaluation. (Spring)

HPER 425 SOCIOLOGICAL/PSYCHOLOGICAL ASPECTS OF SPORT AND PHYSICAL EDUCATION 2 HOURS
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, Spring)

HPER 426 CLINICAL EXPERIENCE V 3 HOURS
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)

HPER 438 ORGANIZATION AND ADMINISTRATION FOR ATHLETIC TRAINING 3 HOURS
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)

HPER 440 ADAPTED PHYSICAL EDUCATION 2 HOURS
A presentation of the methods of teaching the physically and/or mentally disabled student taking physical education. There is an emphasis on activities for the developmentally delayed student. (Spring)

HPER 444 EXERCISE PHYSIOLOGY OF PEAK PERFORMANCES 3 HOURS
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. (Spring)

HPER 454 EVIDENCED-BASED PRACTICE 2 HOURS
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)

HPER 487 FIELD EXPERIENCE/PRACTICUM 2-4 HOURS
An opportunity for the student to gain practical knowledge in the area of Sport and Wellness Studies - Option B and C - for the Exercise Science & Leisure Studies non-teaching degree. The student is required to complete 40 hours of work per hour of credit. (Fall, Spring, Summer)

HPER 490A METHODS, CURRICULUM & ASSESSMENT OF HEALTH & PHYSICAL EDUCATION 4 HOURS
A study of curriculum and methods used in promoting contemporary health and physical education programs that enables the prospective teacher to understand, teach, and assess the significance of those programs. The class includes a practicum experience in which students are assigned to area public school health and physical education classes. (Fall)

HPER 490B PRACTICAL APPLICATION OF METHODOLOGY IN THE HEALTH & PHYSICAL EDUCATION CLASSROOMS 2 HOURS
An opportunity for research new activities, create lesson plans, and complete a schedule for four practicum experiences in Health (secondary) and Physical Education (K-12). The students and instructor assess the success of these lessons and reflect upon ways to improve the completed lessons. (Fall)

HPER 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)

HPER 497 EXERCISE SCIENCE INTERNSHIP 3-6 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)

HPER 498 COACHING PRACTICUM 2 HOUR
A supervised coaching experience. Students arrange for their own experience with the approval of the course instructor. Experience must be documented by keeping a daily log. Prerequisites: HPER 207 and HPER 210. (Fall, Spring, Summer)

HPER 499 DIRECTED READINGS/SPECIAL TOPICS 1-4 HOURS
Seminars, workshops, or individual study in health and physical education to aid in the student’s professional growth. Prerequisites: Permission of instructor and approval of Division Chair. (Fall, Spring)
HISTORY

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 Asia, Africa, and South America. (Spring)

HIST 220 NORTH DAKOTA HISTORY  3 HOURS
A general study of North Dakota geography, government, and history from 1880 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. (Fall, even years)

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, 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)

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. (Spring, even years)

HIST 345 HISTORY & GEOGRAPHY OF SPAIN & LATIN AMERICA  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 GEOG 345. (With sufficient student demand)

HIST 350 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 365 RUSSIA AND HER NEIGHBORS  3 HOURS
An investigation of the past, present, and future of the countries which were formally part of the Union of Soviet Socialist Republics. Cross-referenced with GEOG 365. (Spring, odd years)

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. (Summer, 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. (Summer, even years)

HIST 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 POLS 380. (Fall, even years)

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, HUM, SPAN, and GEOG. (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. (Fall, odd years)
HIST 450 HISTORY OF THE U.S. SINCE 1950  
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  
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 465 THE CONTEMPORARY WORLD  
A study of the world 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. (Spring, even years)

HIST 470 TOPICS IN NON-WESTERN HISTORY  
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  
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  
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  
A study of methodologies and sources historians use when conducting research. Students conduct original research. (With sufficient student demand)

HIST 494 INDEPENDENT STUDY  
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  
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  
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  
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. (Fall, Spring)

HUM 202 FINE ARTS AND AESTHETICS  
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  
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, SPAN, HIST, and GEOG. (Spring)

LIBRARY MEDIA & INFORMATION SCIENCE

LMIS 250 INTRODUCTION TO LIBRARIES & INFORMATION SCIENCE  
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)

LMIS 350 COLLECTION DEVELOPMENT  
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)

LMIS 365 THE ORGANIZATION OF INFORMATION  
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)

LMIS 370 REFERENCE SOURCES & SERVICES  
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)

LMIS 430 ADMINISTRATION OF THE SCHOOL LIBRARY MEDIA CENTER  
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)

LMIS 445 STANDARDS FOR EFFECTIVE LIBRARIES  
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)

LMIS 470 CURRENT ISSUES IN LIBRARIANSHIP  
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)
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 350 QUANTITATIVE ANALYSIS & OPERATIONS MANAGEMENT 3 HOURS
A course designed to provide students with a balanced blend of behavioral application and quantitative analysis as they relate to planning, organizing, and controlling activities that create goods and services. Prerequisites: MGMT 330 or CIS 329 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. This course covers the nine knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381. (Spring)

MGMT 425 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)

MGMT 426 COMPENSATION & BENEFITS ADMINISTRATION 3 HOURS
A study of the Human Resource Management function and role of compensation managers and benefits specialists. The course focuses on wage analysis, evaluation of jobs, employer benefits and service management, incentive plans, and the impact of compensation on recruitment and employee satisfaction. Prerequisite: MGMT 330. (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 or CIS 329. (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: MGMT 330 and ACCT 201. (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 Division of Business. Prerequisites: Junior standing, a grade point average of 2.50 or better, and approval of Chair of the VCSU Division of Business. S/U grading only. (Fall, Spring, Summer)

MARKETING

MRKT 305 PRINCIPLES OF MARKETING 3 HOURS
An analysis of the activities, set 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 AUTHORIZING 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 375 CONSUMER BEHAVIOR 3 HOURS
An investigation of a wide range of behavioral concepts and an examination of the strategic implications of consumer behavior for marketers. The course challenges students to explore the realities and implications of buying behavior in traditional and e-commerce markets and to understand how buyer behavior can help to improve strategic decision-making. Prerequisite: MRKT 305. (Spring)
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 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 causal research designs; scales of measurement; questionnaire and focus group design; fieldwork; data preparation; and basics of interpreting statistical results of research. Prerequisites: MRKT 305. (Spring)

MATHEMATICS

MATH 092 BEGINNING ALGEBRA 3 HOURS
An introductory course designed for students with little to no experience in algebra. Topics include variables, real numbers, mathematical models, linear equations and inequalities, exponents, polynomials, rational expressions, roots and radicals, quadratic equations, and an introduction to functions. This course does not satisfy any graduation requirement. (Fall)

MATH 093 PRE-COLLEGE ALGEBRA 2 HOURS
The course includes factoring, polynomial and rational functions, exponents and radicals, and quadratic equations. Prerequisite: a score of 19 or higher on the Math portion of the ACT.

MATH 102 INTERMEDIATE ALGEBRA 4 HOURS
A study of properties of the real number system, factoring, linear and quadratic functions, polynomials and rational expressions, inequalities, systems of equations, exponents and radicals, and quadratic equations. Prerequisite: MATH 092 or a score of 13 or higher on the math portion of the ACT. (Fall, Spring)

MATH 103 COLLEGE ALGEBRA 3 HOURS
The study of quadratic equations, relations and functions, equations and inequalities, complex numbers, polynomial, rational, exponential and logarithmic functions, systems of equations, matrices and determinants, and sequences and summation. Prerequisite: MATH 093, MATH 102 or a score of 21 or higher on the Math portion of the ACT. (Fall, Spring)

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 covered include compound statements, sets and counting problems, probability theory, vectors and matrices, computer programming, statistics, linear programming, and the theory of games. Applications of these topics are a main focus of the class. Prerequisite: Passing placement test or permission of instructor. (Fall and/or Spring)

MATH 105 PLANE TRIGONOMETRY 2 HOURS
The study of trigonometric functions and their properties, analysis of trigonometric functions, graphs, angles and triangles, inverse functions, trigonometric equations, polar coordinates, and complex numbers. (Spring, even years)

MATH 107 PRECALCULUS 3 HOURS
An introduction to equations and inequalities including polynomial, rational, exponential, logarithmic, and trigonometric functions and applications. (Spring)

MATH 108 APPLIED CALCULUS I 3 HOURS
A study of limits, derivatives, integrals, exponential, and logarithmic functions and applications. Prerequisite: MATH 103 or permission of instructor. (Fall, Spring)

MATH 165, 166, 265 ANALYTIC GEOMETRY AND CALCULUS I, II, III 4 HOURS EACH
A study of the concepts, techniques, and applications of analytic geometry and differential and integral calculus. (165 Fall; 166 Spring; 265 Fall)

MATH 266 DIFFERENTIAL EQUATIONS 3 HOURS
A study of differential equations. Topics include theory, solution, and application of ordinary differential equations of first and second order, linear differential equations; systems of equations; operator methods and series solutions. Prerequisite: MATH 265. (Spring)

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)

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, odd 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. (Fall, odd years)

MATH 321 APPLIED PROBABILITY & STATISTICS 3 HOURS
This is a non-calculus-based introduction to methods of probability and statistics intended for non-math 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. (Fall)
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. (Fall)

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. (Spring, odd 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. (Spring, odd 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. (Spring)

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, 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. (Spring, odd years with sufficient demand)

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 (Fall, even years)

MATH 413 PARTIAL DIFFERENTIAL EQUATIONS 3 HOURS
A continuation of the study of differential equations in MATH 266. Topics covered include 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 (Fall, odd years)

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, 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 (Spring, even 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 (Fall, odd years)

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 (Spring, odd years)

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)

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 secondaries 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 166 CLARINET 1-2 HOURS

MUS 167 SAXOPHONE 1-2 HOURS

MUS 168 OBOE 1-2 HOURS

MUS 169 BASSOON 1-2 HOURS

MUS 100 MUSIC APPRECIATION 3 HOURS
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. (Spring)

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)

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 two-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. Placement in class piano is determined by keyboard background. (Fall)

MUS 112 CLASS PIANO II 1 HOUR
A continuation of the development of skills introduced in MUS 111. Prerequisite: Successful completion of MUS 111. (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. (Fall, Spring)

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 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 development of individual and group musicianship and vocal skills through the study, rehearsal, and performance of chamber music, madrigals, and contemporary popular music, including vocal jazz and musical theatre. The group presents on- and off-campus concerts throughout the year. Open to all students by permission of the instructor. The course 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 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-campus and tours each season. 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. (Fall, Spring)

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 170 for one semester of MUS 171. (Fall, Spring)

MUS 150 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 1-2 HOURS
MUS 256 VIOLA 2 HOURS
MUS 257 CELLO 1-2 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 rhythm, 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. (Spring)
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.

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. (Fall, Spring)

MUS 211, 212 CLASS PIANO 1 HOUR EACH
A two-semester sequence 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. Placement in first or second year classes is determined by keyboard background. (MUS 211-Fall, MUS 212-Spring)

MUS 213 CLASS PIANO 1 HOUR
Continuing class instruction for students working toward satisfaction of the keyboard proficiency requirement. Students must continue enrollment until completion of the proficiency. May be repeated for credit. (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. (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.

MUS 290 MUSIC ACTIVITIES FOR ELEMENTARY TEACHERS 2 HOURS
A course designed to provide the Elementary Education major with strategies, methods, and materials to integrate music activities into the daily curriculum. Cross listed as EDUC 290. (Spring)

APPLIED MUSIC

300-level Applied Music 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 352 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 202. (Spring, even 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, Spring)

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 course. 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
Provides 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. (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. (Fall, Spring)

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. (Fall, 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. (Spring, 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, even 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 170 or MUS 171. (Spring, even 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, odd 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. (Spring 2013; Fall 2014)

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 2013; Spring 2015)

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 2012; Spring 2014)

MUS 378 APPLIED PEDAGOGY 3 HOURS
A foundational course for teaching an 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 379 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 390 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 and 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)

MUS 398 MUSIC INDUSTRY PRACTICUM 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, 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)

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. (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  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. 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

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. (Spring, even years)

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 SOC 340 and PSYC 340. Prerequisite: ENGL 110, ENGL 120 or 125 (Fall, F2F; Spring, online)

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. (Summer, odd 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. (Summer, even 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 440 UNDERSTANDING STATISTICS 3 HOURS
A course designed to acquaint students with descriptive, inferential, and correlated statistics, when these tests are used, and how to read and discuss the results. Cross-referenced with COMM 440, PSYC 440, and SOC 440. Prerequisite: MATH 103 or 104; COMM/POLS/PSYC/SOC 340 (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, Spring, Summer online)

PSYC 250 DEVELOPMENTAL PSYCHOLOGY 3 HOURS
A survey of the psychology of human life span development. Prerequisite: PSYC 111 (Fall, Spring, Summer online)

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 POLS 340, SOC 340, and COMM 340. Prerequisite: ENGL 110, ENGL 120 or 125. (Fall F2F; Spring online)

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. (Spring)

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)
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 380 and HPER 380. (Fall, Spring)

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, Spring)

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. Prerequisite: PSYC 111 and/or SOC 110. (Spring)

PSYC 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 SOC 422. Prerequisite: SOC 110. (Spring)

PSYC 440 UNDERSTANDING STATISTICS 3 HOURS
A course designed to acquaint students with descriptive, inferential, and correlated statistics, when these tests are used, and how to read and discuss the results. Cross-referenced with COMM 440, POLS 440, and SOC 440. Prerequisites: MATH 103 or 104; COMM/POLS/PSYC/SOC 340 (Spring)

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)

PSYC 470 COUNSELING THEORY & PRACTICE 3 HOURS
A study of counseling principles and practices in educational, industrial, and community settings. Philosophies, objectives, and organization are stressed. Prerequisite: PSYC 111. (Spring)

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 2.50. S/U grading only. (Fall, Spring, Summer)

SOCILOGY

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)

SOC 111 INTRODUCTION TO ANTHROPOLOGY 3 HOURS
An introductory course on human evolution and the cross-cultural development of social institutions. (Fall)

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. (Fall, odd 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. (Spring, odd 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, 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)

SOC 300 RACE, ETHNIC, & GENDER RELATIONS 3 HOURS
The social-historical study of racial, ethnic, and gender relations. Prerequisite: SOC 110. Cross-referenced with HIST 300. (Spring, even years)

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 340, PSYC 340, and POLS 340. Prerequisite: SOC 110 (Fall, F2F; Spring, Online)
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. Prerequisites: SOC 110 and PSYC 111. (Spring, even years)

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 360 and 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)

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. (Spring)

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 440 UNDERSTANDING STATISTICS 3 HOURS
A course designed to acquaint students with descriptive, inferential, and correlated statistics, when these tests are used, and how to read and discuss the results. Cross-referenced with COMM 440, POLS 440, and PSYC 440. Prerequisites: MATH 103 or 104; COMM/POLS/PSYC/SOC 340 (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.)

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 310 SPANISH FOR THE PROFESSIONS 3 HOURS
An examination of professional communication issues for students who will use Spanish in their professional life (in areas such as business, social work, medicine, and law enforcement). The course includes vocabulary development, business writing, interviewing, and cultural concerns. Prerequisite: SPAN 202. (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, even 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. (Fall, odd years)

SPAN 350 HISPANIC CULTURE & CIVILIZATION 3 HOURS
A study of various aspects of Hispanic culture and civilization through the centuries. Prerequisite: SPAN 345. (Spring, even years)

SPAN 360 SPANISH GRAMMAR FOR TEACHERS 3 HOURS
An in-depth examination of grammatical forms and their application in the instruction and use of Spanish. (Spring, even years)

SPAN 370 SPANISH COMPOSITION 3 HOURS
A review of the principles of grammar and practice in writing in Spanish. Prerequisite: SPAN 202 or the equivalent. (Spring, odd years)
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 DESIGN, TECHNOLOGY & 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 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
A focus on the design and engineering process, as well as methods for the use of STEM activities in the elementary classroom. (Elementary) (Spring)

STEM ED 331L INNOVATION & ENGINEERING DESIGN LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 310 course. (Fall)

STEM ED 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)

STEM ED 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)

STEM ED 393 PRACTICUM IN TEACHING SPANISH 1-3 HOURS
An opportunity for firsthand experience in teaching Spanish. (By arrangement)

STEM ED 396L, 496L TRAVEL TO A SPANISH SPEAKING COUNTRY LAB 1 HOUR
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)

STEM ED 391 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)

STEM ED 394 DIRECTED READINGS 1-4 HOURS
A directed study in literature or language according to interest of the student. (By arrangement)

STEM ED 397 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. (Fall, Spring, Summer)

STEM ED 405 ENGINEERING THE FUTURE 3 HOURS
A focus on a strong foundation in Physics and the opportunity to explore the social, historical, and environmental contexts of emerging technologies. Students develop a practical understanding of influences of society on future technological development. (Spring)

STEM ED 411 STEM CURRICULUM & METHODS 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 431 STEM CURRICULUM & 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. (Fall)

STEM ED 431L DESIGN FOR ENGINEERING LAB 1 HOUR
An opportunity to participate in lab-format activities that support the TECH 431 course. (Fall)

STEM ED 432 BUILDING MATH 3 HOURS
A focus on a strong foundation in Physics and the opportunity to explore the social, historical, and environmental contexts of emerging technologies. Students develop a practical understanding of influences of society on future technological development. (Spring)
TECHNOLOGY

Due to the nature of online delivery, several Technology Education courses will be offered ‘With Sufficient Student Demand.’

TECH 161 TECHNOLOGY, ENGINEERING, & DESIGN
4 HOURS
An introductory course that examines the engineering design process and its use to solve technological challenges. The course covers the nature of technology, technology systems, and the history, evolution, and characteristics of technology, as well as learning activities to apply technology, science, and mathematics concepts. (Fall, Spring)

TECH 256 RESOURCES FOR TECHNOLOGY
2 HOURS
An introduction to many of the resources of the Technology Education laboratory including materials, processes, time, people, tools, machines, and more. (Spring)

TECH 256L RESOURCES FOR TECHNOLOGY LAB
1 HOUR
An opportunity to participate in lab-format activities that support the TECH 256 course. (Spring)

TECH 300 3D MODELING & DESIGN
2 HOURS
An introduction to the engineering design process, and the principles of graphics and 3D parametric modeling in the creation and visualization of engineering designs. SolidWorks modeling software is used to illustrate parametric 3D part modeling, assembly modeling, rendering, and production of working drawings from design ideas. (Fall, even years)

TECH 300L 3D MODELING & DESIGN LAB
1 HOUR
An opportunity to participate in lab-format activities that support the TECH 300 course. (Fall, Even Years)

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 456L INTELLIGENT MACHINES LAB
1 HOUR
Activities in a lab format that support the TECH 456 course. (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, even 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)
Office of Graduate Studies

McFarland Hall 3rd Floor

Dean of the School of Education and Graduate Studies: Gary Thompson, Ed.D. 701.845.7197

Director of the Office of Graduate Studies: Terry Corwin, Ph.D.
Assistant: Misty Lindgren 800.532.8641 extension 37303 701.845.7303 FAX: 701.845.7305 graduate@vcsu.edu www.vcsu.edu/graduate/

Master of Education
Areas of Concentration

Teaching and Technology
• Option 1: Teaching and Learning
• Option 2: Elementary Education
• Option 3: English Education
• Option 4: Music Technology

Technology Education
• Option 1: Secondary STEM Education
• Option 2: Elementary STEM Education
• Option 3: Career and Technical Education

Library and Information Technologies

Teaching English Language Learners

Graduate Certificates:
• Library and Information Technologies
• Teaching English Language Learners
• STEM
  - Elementary Focus
  - Secondary Focus

Graduate Faculty
Aus, Joan
Boe, James
Chao, Shou-Ching
Corwin, Terry
Dahlberg, Margaret
Finger, Brenda
Gegelman, Patricia
Gregoryk, Kerry
Hagen, Sara
Holleque, Kathyn
Hoskisson, Dale
James, Donna
Jenness, Jennifer
Kvilvang, Heather
Klingenberg, Erin
Klingenstein, Beth
McCarriar, Sharon
Mugan, Don
Olson, Alan
Russell, Julee
Skroch, Diana
Skophammer, Roger
Stickler, Joe
Thompson, Gary
Van Gijssel, Hilde
VanHorn, Shannon
Zahn, Cindy

VCSU Associate Graduate Faculty
Beattie, Annette
Burgad, Allen
Cuadrado, Babette
Edwards, Buffy
Forne, Lana
Galles, Gay
Gjovik, Peder
Klifel-Wightman, Konda
Owen, Jackie
Welk, Janet
2012-2013
Academic Calendar
(Specific Add/Drop dates for each semester can be found at www.vcsu.edu/registrar.)

Fall Semester 2012
August
20 Registration/Classes start at 4:00 p.m.
21 First full day of classes

September
3 Holiday - Labor Day

November
6-7 Early Spring Registration
8 Spring Registration Opens
12 Holiday - Veterans Day
21 Holiday - Thanksgiving Break Begins 5:00 p.m.
23 Holiday - Day after Thanksgiving
26 Classes Resume

December
1 Last Day to Apply for Spring Graduation
7 Application Deadline for Admission to Graduate Studies for Spring
10-14 Last Week of Classes/Finals Week
18 Grades Due

Spring Semester 2013
January
7 Registration/Classes start at 4:00 p.m.
8 First full day of classes
21 Holiday - Martin Luther King Jr. Day

February
18 Holiday - Presidents Day

March
14 Spring Break Begins 5:00 p.m.
18 Classes Resume
28 Holiday Break Begins 5:00 p.m.
29 Holiday

April
1 Holiday
2 Classes Resume

May
1 Last Day to Apply for Summer and Fall Graduation
6-10 Last Week of Classes/Finals Week
11 Commencement
14 Grades Due

Summer Semester 2013
May
20 Graduate Summer Semester Begins
27 Holiday

June
12 Graduate Summer Semester Ends
16 Grades Due
26 Application Deadline for Admission to Graduate Studies for Fall

July
12 Application Deadline for Admission to Graduate Studies for Fall

2013-2014
Academic Calendar
(Specific Add/Drop dates for each semester can be found at www.vcsu.edu/registrar.)

Fall Semester 2013

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

September
2 Holiday - Labor Day

November
11 Holiday - Veterans Day
12 & 13 Early Spring Registration
14 Spring Registration Opens
27 Holiday - Thanksgiving Break Begins 5:00 p.m.
28 Holiday - Thanksgiving
29 Holiday - Day after Thanksgiving

December
1 Last Day to Apply for graduation
13 Application Deadline for Admission to Graduate Studies for Spring
16-20 Last Week of Classes/Finals Week
24 Grades Due

Spring Semester 2014

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

February
17 Holiday - Presidents Day

March
14 Spring Break Begins 5:00 p.m.
24 Classes Resume

April
8 & 9 Early Fall Registration
10 Fall Registration Opens
17 Holiday Break Begins 5:00 p.m.
18 Holiday
21 Holiday
22 Classes Resume
28 Application Deadline for Admission to Graduate Studies for Summer

May
1 Last Day to Apply for Summer and Fall Graduation
12-16 Last Week of Classes/Finals Week
17 Commencement
20 Grades Due

Summer Semester 2014

May
26 Holiday
27 Graduate Summer Semester Begins

July
4 Holiday
18 Graduate Summer Semester Ends
22 Grades Due
25 Application Deadline for Admission to Graduate Studies for Fall
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 four 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, and in 2009 the Teaching English Language Learners concentration was 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, and Technology Education. The concentrations each require a core of four education courses and a varying number of required credits in the concentration. Options in English Education, Elementary Education, Music Technology, Career and Technical Education, and Science, Technology, Engineering, and Mathematics (STEM) Education are also available within the concentrations.

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.

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 applications, letters of recommendation, 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 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.

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.

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.

1. 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 into a graduate degree program. Certificate students may only take courses restricted to the certificate program.

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.
• 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, division, 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 Graduated Studies must be approved by the IRB.
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 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 www.vcsu.edu/registrar/.

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 graduate tuition per credit hour. Mandatory fees, also, are charged per credit hour. For an estimate of costs go to the cost calculator at www.vcsu.edu/businessoffice/ and click on cost 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 is not officially enrolled for an academic semester until all tuition and fees have been paid or arrangements made. 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.

Miscellaneous Fees and Charges
(fees are subject to change without notice)

Graduate Application Fee
(one time, non-refundable) $35.00
Course Fees/Class Fees Variable
Reinstatement of Cancelled Enrollment Fee $100.00

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 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
http://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 (both subsidized and unsubsidized).

*At this time it is still undetermined if VCSU will need to change to Direct Lending, but are prepared to do so if necessary.

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: http://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:
http://studentaid.ed.gov/PORTALSWebApp/students/english/TEACH.jsp
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 from 9:00 am to 3:00 pm, Monday through Friday and via email, online chat and phone.

The Library’s web site, at http://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 multi-media, along with children’s fiction and non-fiction books. In addition, the library cooperates with the Valley City Area Teacher Center and the South East Education Cooperative (SEEC).

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 37209, 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.

The VCSU Help Desk located in VCSU Rhoades Science Center 119 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 13 hours per day, Monday-Thursday, and 8 hours on Friday. A North Dakota University System Help Desk provides additional phone support for approximately 16 hours per day, seven days per week, except holidays.

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.

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.

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 Help Desk or online at http://www.vcsu.edu/cmsfiles/216/rentalbu_plpr39.pdf

Technology Requirements for Online Coursework
See the Distance Learning website for specific PC and Mac requirements at http://distancelearning.vcsu.edu.

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 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.
Program Description

The Master of Education (M.Ed.) degree is a practitioner-oriented degree, designed for practicing teachers. The program requires four core courses which provide students with the foundation for educational research and graduate study in education. Four concentrations are available: Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, and Technology Education.

The design of the Master of Education program provides graduate students with six Core Values that illustrate the learning outcomes for graduate students. The program prepares and assesses its graduates in these areas while preparing them to effectively enrich their student learning.

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 in Library and Information Technologies (LIT):

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.

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:

**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

In addition to the core courses and introductory work, students will complete 22 hours of required courses and three hours of Special Program Courses.

**Concentration Required Courses 22 hrs**
- LMIS 659 Emerging Technologies and the SLM Program 3
- LMIS 664 Literature and Literacy for Children and Young Adults 3
- LMIS 670 Integrating Information Literacy and Research Standards 3
- LMIS 675 Obtaining and Organizing Information Resources 4
- LMIS 680 Using Information Resources 3
- LMIS 687 Administering and Evaluating Program Resources 3
- LMIS 688 Collaboration, Management and Leadership 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 3 hours**
- LMIS 689 Research Applications 1
- LMIS 698 Capstone 2

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.
Master of Education Program
Concentration in Teaching English Language Learners (ELL)

Program Description

The Master of Education (M.Ed.) degree is a practitioner-oriented degree, designed for practicing teachers. The program requires four core courses which provide students with the foundation for educational research and graduate study in education. Four concentrations are available: Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, and Technology Education.

The design of the Master of Education program provides graduate students with six Core Values that illustrate the learning outcomes for graduate students. The program prepares and assesses its graduates in these areas while preparing them to effectively enrich their student’s learning.

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 in Teaching English Language Learners (ELL):

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.

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 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

In addition to the core courses, students will complete the following 19 hours of required courses and three hours of Special Program Courses.

Required Courses 19 hours
EDUC 660 Authentic Assessment Strategies and Evaluation of ELLs 2
EDUC 663 Methods of Teaching English and Academic Content to ELLs 2
EDUC 670 Second Language Acquisition Theory and Practice 2
EDUC 673 Foundations of Bilingual Education and Bilingualism 2
EDUC 685 Action Research 3
EDUC 693 ELL Practicum 3
ENGL 653 Language and Culture 3
ENGL 673 Linguistics for ELL Teachers 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 3 hrs
EDUC 689 Research Application 1
EDUC 698 Capstone 2
Master of Education Program
Concentration in Teaching & Technology (T&T)

Program Description

The Master of Education (M.Ed.) degree is a practitioner-oriented degree, designed for practicing teachers. The program requires four core courses which provide students with the foundation for educational research and graduate study in education. Four concentrations are available: Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, and Technology Education.

The design of the Master of Education program provides graduate students with six Core Values that illustrate the learning outcomes for graduate students. The program prepares and assesses its graduates in these areas while preparing them to effectively enrich their student’s learning.

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 in Teaching and 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 and understanding of the National Educational Technology Standards (NETS) as defined by the International Society for Technology in Education (ISTE).

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 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

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
EDUC 689 Research Application 1
EDUC 698 Capstone 2

Students must select one of the following options to complete the concentration in Teaching and Technology.

Option 1: Teaching and Learning
Required Courses 11 hours
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 6 hours
EDUC 630 Principles of Teaching & Learning 3
EDUC 665 Learning Theory & Instruc Design 3
STEM ED 660 Design for Engineering 3
STEM ED 665 Invention and Innovation 3
STEM ED 670 Design, Tech & Eng, for Elem 3
EDUC 642 Supervision of Student Teachers 3

Option 2: Elementary Education
Required Courses 8 hours
EDUC 650 Field Design & Implementation 3
EDUC 675 Teaching with 21st Century Tools 2
EDUC 685 Action Research in Education 3

Elementary Education Courses 12 hrs
EDUC 631 Prin for Teach & Learnin Elem 3
EDUC 664 Lit & Literacy for Child & Young Adults 3
EDUC 667 Literacy as Comm in Elemen 3
STEM ED 655 STEM Curr & Methods Elem 3

Option3: English Education
Required Courses 8 hours
EDUC 650 Field Design & Implementation 3
EDUC 675 Teaching with 21st Century Tools 2
EDUC 685 Action Research in Education 3

English Education Courses 12 hours
ENGL 650 Studies in Literature 3
ENGL 653 Language and Culture 3
ENGL 664 Lit & Literacy for Child & Young Adults 3
ENGL 673 Linguistics for ELL Teachers 3

Option 4: Music Technology
Required Courses 8 hours
EDUC 650 Field Design & Implementation 3
EDUC 675 Teaching with 21st Century Tools 2
EDUC 685 Action Research in Education 3

Music Technology Courses 12 hours
MUS 615 Digital Audio Processing 3
MUS 625 Music Recor, Mix, and Maste 3
MUS 635 Music Tech, Hist, Rep, & Comp 3
MUS 645 Integrating Tech into Mus Curr 3
Master of Education Program
Concentration in Technology Education (Tech Ed)

Program Description

The Master of Education (M.Ed.) degree is a practitioner-oriented degree, designed for practicing teachers. The program requires four core courses which provide students with the foundation for educational research and graduate study in education. Four concentrations are available: Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, and Technology Education.

The design of the Master of Education program provides graduate students with six Core Values that illustrate the learning outcomes for graduate students. The program prepares and assesses its graduates in these areas while preparing them to effectively enrich their student’s learning.

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 of 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 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.

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
EDUC 610 Research in Education 3
EDUC 625 Issues in School, Community, and Family 3
EDUC 640 Supervision and Assessment of Teachers & Learners 3
EDUC 657 Exceptionality, Diversity, & 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  3 hours
TECH 689 Research Applications 1
TECH 698 Capstone 2

Students must select one of the following options to complete the concentration in Technology Education.

Option 1: Secondary STEM Education
Required Courses  18 hours
STEM ED 650 Standards-Based Curr & Methods 3
STEM ED 660 Design for Engineering 3
STEM ED 665 Invention and Innovation 3
STEM ED 670 Design, Tech & Engineer for Elem 3
STEM ED 680 Building Math 3
STEM ED 682 Engineering the Future 3
TECH 675 Research and Assess in Tech Ed 3

Elective Courses 3 hours
TECH 688 Safety & Manage in the Tech Lab 3
EDUC 635 Technology for Learning 3

Option 2: Elementary STEM Education
Required Courses 15 hours
STEM ED 655 STEM Curr & Methods, Elem 3
STEM ED 670 Design, Tech, & Engineer for Elem 3
STEM ED 671 Inquiry Based Thematic Instruct 3
STEM ED 680 Building Math 3
TECH 675 Research & Assess in Tech Ed 3

Elective Courses 6 hours
STEM ED 665 Invention and Innovation 3
TECH 688 Safety & Mang in the Tech Lab 3
EDUC 635 Tech for Learning 3

Option 3: Career and Technical Education
Required Courses 15 hours
TECH 651 Curriculum Development in Career & Technical Education 3
TECH 652 Instructional Strategies in Career & Technical Education 3
TECH 653 Trends & Issues in Career & Technical Education 3
TECH 654 Administration & Management in Career and Technical Education 3
TECH 675 Research & Assess in Tech Ed 3

Elective Courses 6 hours
STEM ED 680 Building Math 3
STEM ED 682 Engineering the Future 3
TECH 688 Safety & Management in the Tech Lab 3
EDUC 635 Technology for Learning 3
STEM ED 660 Design for Engineering 3
STEM ED 665 Invention and Innovation 3
### Graduate Certificate

#### Library & Information Technologies (LIT)

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LMIS 659 Emerging Technologies &amp; the SLM Program</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 664 Literature &amp; Literacy for Children and Young Adults</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 670 Integrating Information Literacy and Research Standards</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 675 Obtaining &amp; Organizing Information Resources</td>
<td>4</td>
</tr>
<tr>
<td>LMIS 680 Using Information Resource</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 687 Administering &amp; Evaluating Program Resources</td>
<td>3</td>
</tr>
<tr>
<td>LMIS 688 Collaboration, Management &amp; Leadership</td>
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**Total Hours:** 22

### Graduate Certificate

#### STEM Education

**Elementary Focus**

<table>
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<tr>
<th>Required Courses</th>
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<td>STEM ED 655 STEM Curriculum and Methods Elementary</td>
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<table>
<thead>
<tr>
<th>Electives</th>
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</thead>
<tbody>
<tr>
<td>STEM ED 665 Invention and Innovation</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 670 Design, Technology, and Engineering for Elementary</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 680 Building Math</td>
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**Total Hours:** 12

**Secondary Focus**

<table>
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<tr>
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<tbody>
<tr>
<td>STEM ED 650 STEM Curriculum and Methods Secondary</td>
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</table>

<table>
<thead>
<tr>
<th>Electives</th>
<th></th>
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</thead>
<tbody>
<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 680 Building Math</td>
<td>3</td>
</tr>
<tr>
<td>STEM ED 682 Engineering the Future</td>
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</tr>
</tbody>
</table>

**Total Hours:** 12

### Graduate Certificate

#### Teaching English Language Learners

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 660 Assessment Strategies for ELLs</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 663 Methods of Teaching ELLS</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 670 Second Language Acquisition</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 673 Foundations of Bilingual Education</td>
<td>2</td>
</tr>
<tr>
<td>EDUC 693 ELL Teaching Practicum</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 653 Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 673 Linguistics for ELL Teachers</td>
<td>3</td>
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</tbody>
</table>

**Total Hours:** 16
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.

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.

EDUC 630 PRINCIPLES OF TEACHING & LEARNING  3 HOURS
An examination of several models of instruction for building effective teaching practice to meet diverse learning needs. The focus of the course is the psychological aspects of teaching and how effective teaching assists the learning process. It also explores and integrates multiple intelligences, learning styles, and cooperative learning with technology in the context of implementation into instruction, curriculum, and assessment.

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.

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.

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.

EDUC 640 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. Departmental consent required.

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.

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.

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.

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.

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.

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 and LMIS 664.
EDUC 665 LEARNING THEORY AND INSTRUCTIONAL DESIGN 3 HOURS
An overview of learning theories and instructional design models. The course focuses on curriculum design for educators using the Backward Design model within behavioral, cognitive information processing, and constructivist approaches.

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.

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.

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.

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.

EDUC 681 CONTINUOUS ENROLLMENT 1 HOUR
An option for graduate students who must remain continuously enrolled during the graduate studies process.

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 own action research project. Topics include the action research process, IRB paperwork, data collection, data analysis, and reflection. Prerequisite: EDUC 610.

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 LMIS 689 and TECH 689

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.

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 694 and 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 LMIS 698 and TECH 698.

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 699 and TECH 699.

ENGLISH

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.

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, online)

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 664 and LMIS 664.

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, online).

LIBRARY AND INFORMATION TECHNOLOGIES

LMIS 659 EMERGING TECHNOLOGIES AND THE SCHOOL LIBRARY MEDIA PROGRAM 3 HOURS
Provides an overview of the current and emerging technologies in use in school library media centers and the library media specialist’s roles and responsibilities in facilitating the use of technologies in the media center and in collaboration with classroom teachers to provide a technology-rich learning environment, model and promote ethical use of information, and promote equitable access to information beyond print resources.

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 664 and ENGL 664.
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.

LMIS 675 OBTAINING & ORGANIZING INFORMATION RESOURCES 4 HOURS
An investigation of resource management as it relates to the school library media specialist. The course focuses on the selection and collection of resources as well as the organization and cataloging of them for retrieval. An emphasis is placed on techniques to assure a balanced collection which reflects diversity of format and content and tools to provide flexible and equal access to the resources. Policies and procedures are developed to support these goals and protect the intellectual freedom.

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.

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.

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.

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 689 and TECH 689.

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 694 and 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 698 and TECH 698

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 699 and TECH 699

MUS 615 DIGITAL AUDIO PROCESSING 3 HOURS
An overview of concepts of digital audio and signal processing including basic sound synthesis, filters and digital sampling through selected readings, papers, and demonstration projects. The students will explore these processes as they relate to both technical and aesthetic experience.

MUS 625 MUSIC RECORDING, MIXING, AND MASTERING 3 HOURS
An overview of concepts, techniques, hardware, and software used in digital production as well as aesthetic concerns and considerations. The students will be introduced to the processes of selecting microphones, creating multiple tracks and mixing to stereo through selected readings and recording projects for the music classroom.

MUS 635 MUSIC TECHNOLOGY HISTORY, REPERTOIRE, AND COMPOSITION 3 HOURS
An overview of the history, aesthetics, and technology of electronic music. The students will become familiar with music technology history over the past century through selected readings, musical analysis, research, and composition projects.

MUS 645 INTEGRATING TECHNOLOGY INTO THE MUSIC CURRICULUM 3 HOURS
An overview of concepts, techniques, research, hardware, software, and the Internet in designing instruction for effective music learning. The course will use selected readings and individual curriculum design projects to support instruction and a research-based curriculum.

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.

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.

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).

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).

MUS 635 MUSIC TECHNOLOGY HISTORY,
REPERTOIRE, AND COMPOSITION 3 HOURS
An overview of the history, aesthetics, and technology of electronic music. The students will become familiar with music technology history over the past century through selected readings, musical analysis, research, and composition projects.
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.

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.

STEM ED 680 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.

STEM ED 682 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.

TECHNOLOGY

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.

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.

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.

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.

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

TECH 684 ADVANCED DESIGN APPLICATIONS 3 HOURS
An emphasis on problem-based learning (ProBase) related to advanced design applications including: manufacturing technologies, energy and power technologies, construction technologies and transportation technologies. The course covers the standards, benchmarks, content, and techniques necessary to successfully teach at the secondary level. It utilizes the course guide published by the ITEA Center for the Advancement of Teaching Technology and Science (CATTS).

TECH 686 ADVANCED TECHNOLOGICAL APPLICATIONS 3 HOURS
An emphasis on problem-based learning (ProBase) related to advanced technological applications including: information and communication technologies, medical technologies, agriculture and related biotechnologies, entertainment and recreation technologies. This course covers the standards, benchmarks, content, and techniques necessary to teach at the secondary level. It utilizes the course guide published by the ITEA Center for the Advancement of Teaching Technology and Science (CATTS).

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 tool operation, due to the wide ranging activities encountered by students, as well as laboratory systems and management issues.

TECH 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 LMIS 689 and EDUC 689.

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 LMIS 694 and EDUC 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 EDUC 698 and LMIS 698.

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 699 and LMIS 699.
Administration

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 Chancellor
Hamid Shirvani

Board Members
Grant Shaft, President Grand Forks
Duaine Espegard, Vice President Grand Forks
Terry Hjelmstad Minot
Kristen Diederich Fargo
Robert Vallie, Student Member Fargo
Michael Haugen Fargo
Claus Lembke Bismarck
John Girard, Faculty Advisor Minot
Janice Hoffarth, Staff Advisor Grand Forks

Administration at VCSU

Anderson, Doug (2004), Director of Marketing and Communications. B.A. Northwestern University; M.B.A. University of Minnesota.

Bomstad, Kimberly (2011), Controller. B.S. North Dakota State University.

Brown, Robert (2000), Microcomputer Services Director. B.A. Valley City State University.

* Corwin, Terry A. (1975), Director of Graduate Studies, Professor. B.A. Gustavus Adolphus; M.S. Moorhead State University; Ph.D. Iowa 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.

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.

Hughes, Derek (2010), Director of Human Resources, B.S. Concordia College.

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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.

Nix, Mike (1996), Director of Microcomputer Services. B.S. Valley City 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.

Shirley, Steven W. (2008), President, Professor. B.S., M.B.A., Ph.D. University of North Dakota.

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.

Tykwinski, Joseph R. (1986), Chief Information Officer/Assistant Professor. B.S., M.S., Mankato State University.

* Indicates Graduate Faculty
Faculty

Adams, James (2008), Assistant Professor of Music. B.M., Brigham Young University; M.M., University of Maryland; D.A. University of Northern Colorado.

Anderson, Bob (2005), Associate Professor of Science. B.S., Ph.D. South Dakota State University.

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Burr, Diane (1981), Professor of Health and Physical Education. B.S., M.S. Northern State College, ATC/L.

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* Chao, ShouChing (2010) Assistant Professor of Language and Literature. M.A. Univ. of Minnesota; M.A. and Baccalaureate University of Henan, China; Ph.D. University of Minnesota.

* Corwin, Terry A. (1975), Director of Graduate Studies, Professor. B.A. Gustavus Adolphus; M.S. Moorhead State University; Ph.D. Iowa State University.

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Hooper, Ralph (1979), Associate Professor of Business and Information Technology. B.S., J.D. University of North Dakota, C.P.A.

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Isaacson, Lynne (2008), Assistant Professor of Social Science. B.A., Idaho State University; M.S., Ph.D. University of Oregon.

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Knodle, Kim (2010), Director of Field Experiences. B.S. Mayville State University; M.Ed. North Dakota State University.

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Milner, Sarah (2010), Instructor of Health and Physical Education. B.A. Dana College; M.A. Adams State College.

* Mungan, Don (1973), Great Plains STEM Education Center Director/Professor of Technology. B.S. Mankato State College; M.S., Ed.D. University of Northern Colorado.

Namminga, Jaime (2009), Visiting Instructor of Music. B.M., University of Sioux Falls; M.M., University of North Carolina

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* Olson, Alan (1990), / Associate Professor of Education. B.S. Valley City State University; M.A. Northern State University; Ph.D. University of North Dakota.

Owen, Jackie (2009), Instructor of Education. B.S. Brigham Young University; M.Ed. Utah State University.

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Pfeifer, Susan (2005), Assistant Professor of Business and Information Technology. B.S. Jamestown College; M.S. University of St. Thomas; P.M.P.

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Redfearn, Christopher (2012), Instructor of Music. B.M., Brigham Young University; M.M., Michigan State University.

Ross, Richard (1999), Assistant Professor of Business and Information Technology. B.A., B.S. Minot State University; M.S. Tri-College University.

* Russell, Julee (1995), Professor of Language and Literature. 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.

Schilling, Tim (2003), Assistant Professor of Business and Information Technology. B.S. Valley City State University; M.S. University of North Dakota.

Shorma, Jodi (2009), Instructor of Language and Literature. B.A., M.A. University of North Dakota.

* Skophammer, Roger (2010), Assistant Professor of Education. B.Ed., M.S. St. Cloud State; Ph.D. Old Dominion University.

* Skroch, Diana (1977), Professor / Chair of the Department of Music, Chair of the Division of Fine Arts. B.A., Valley City State University; M.A., University of North Dakota; Ph.D., University of Oklahoma.

* Stickler, Joseph (1981), Professor / Chair of the Department of Science, Chair of the Division of Mathematics, Science and Health & Physical Education. B.A. Ohio Wesleyan University, M.S. & Ph.D. University of Illinois.

* 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.

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* VanHorn, Shannon (1999) , Associate Professor / Chair of the Department of Communication Arts. B.S., M.S, Ph.D. North Dakota State University.
Faculty

Variego, Jorge (2011), Visiting Professor of Music. Bachelors, Law, National University of Rosario, Argentina; M.M., Carnegie Mellon University; Ph.D., University of Florida-Gainesville.

Walsh, Rob (2008), Instructor of Communication Arts. B.A., B.S., M.A. St. Cloud State University; Teaching Licensure, Northern State University.


Williams, Casey (2011) Assistant Professor Department of Science, B. S. Northwestern State University, M.S. & Ph.D. Texas 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.

Ziniel, Jonna (2008), Instructor of Communication Arts. B.A., M.A. North Dakota State University.

Coaches and Part-Time Faculty / Adjunct

Athletic Coaches and Part-Time Faculty / Adjunct

Allebach, Robin - Music
Anderson, Amy - Education
Anderson, Wes - Science/Planetarium Director
Beauchman, Alice - Art and Communication Arts
Bennett-Zaun, Kathleen - Education
Bomstad, Ryan - Woman’s Golf / Assistant Woman’s Basketball Coach
Brohmer, Ryan - Assistant Track / Cross Country Coach
Christianson, Thomas - Music
Costello, Marty - Assistant Football Coach
DeLorme, Carolyn - Education
Devries, Jill - Assistant Athletic Director, Woman’s Basketball Coach/Lecturer

Drake, Janet - Psychology
Edwards, Buffy - Library and Information Science
Fornes, Kenneth - Technology Education
Frenette, Kenneth - Track / Cross Country Coach
Galles, Gay - Library and Information Science
Hammerling, Margaret - Music
Higgins, Martin - Assistant Football Coach
Hoff, Gordon - Social Science
Horner, Gregg - Assistant Football Coach /Lecturer
Hunt, Rachelle - Athletic Trainer
* James, Donna - Library and Information Science
Kaminsky, Jeffrey - Head Men’s Basketball Coach / Lecturer
Kolbow, Susan - Co-Sports Information Director/ Head Football Coach / Lecturer/Athletic
Larson, Shari - Director, VCSU Community School of the Arts
Nelson, Carole - Music
McCulloch, Dennis - Assistant Athletic Director Athletic Coach/ Lecturer
Olney, Casey - Co-Sports Information Director/Intramurals Director, Baseball Coach
Parrish, Justin - Assistant Baseball Coach
Rohla, Robert - Education
Rudolph, Jon - Music
Simonson, Mary - Psychology
Slyter, Chad - Athletic Coach Co-Sports Information Director / Lecturer
Sorensen, Alyssa - Athletic Trainer
Stover, Nathan - Assistant Men’s Basketball Coach
Wiebe, Jeremy - Assistant Softball Coach
Wightman, Konnie - Library and Information Science

* Indicates Graduate Faculty
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