

2023-2024

Northern Oklahoma College

# COURSE CATALOG

Tonkawa | Enid | Stillwater



Life changing.

## ABOUT THE CATALOG

This catalog offers information about the academic programs and support services of the College and is as accurate as possible, but the information may not remain current for all of the academic year. Circumstances may prompt changes in courses, course content, credit fees, regulations, semester calendar, curriculum, degrees offered, and other matters (all updates available at the "Academics" webpage: <http://www.noc.edu/academics>). Such changes authorized by the College apply both to prospective students and to those previously enrolled, unless the latter are specifically exempted.

For information, call, 580.628.6210 or write to:  
Northern Oklahoma College:  
Office of Academic Affairs  
P.O. Box 310, Tonkawa Oklahoma 74653-0310



**Tonkawa**  
1220 East Grand  
P.O. Box 310  
Tonkawa, OK 74653-0310  
Phone: 580.628.6200  
Fax: 580.628.6209  
Photo: Central Hall



**Enid**  
100 South University  
P.O. Box 2300  
Enid, OK 73702-2300  
Phone: 580.242.6300  
Fax: 580.548.2216  
Photo: Marshall Building



**Stillwater**  
615 North Monroe Street  
P.O. Box 1869  
Stillwater, OK 74076-1869  
Phone: 580.628.6900  
Fax: 405.744.7965  
Photo: NOC Classroom Building

Website: <http://www.NOC.edu>

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# **NORTHERN OKLAHOMA COLLEGE**

## **INSTITUTIONAL INFORMATION**

### **HISTORY**

Through the efforts of the Honorable James H. Wilkin, on March 1, 1901, the Oklahoma Territorial Legislature passed an act appropriating money to establish University Preparatory School at Tonkawa. Wilkin also obtained an endowment of land for the school. Consequently, Central Hall was constructed, a faculty employed, and other essentials of an educational institution provided. In September 1902, the doors of the new school swung open to prospective students. Two hundred and twenty-seven young men and women enrolled; thus opened the colorful history of one of Oklahoma's most important and picturesque educational institutions.

As the curriculum expanded and the enrollment increased, new equipment and other facilities became necessary. An act of Congress dated June 2, 1906, provided for the donation to the school of a section of land adjoining the city of Tonkawa. Proceeds from the sale of this land were to be used to provide additional buildings. A similar act of 1909 granted another tract of land for the same purpose. Harold Hall and Foster-Piper Fieldhouse were erected and paid for with the funds secured from the sale of these lands.

The college department was established in 1921, and the institution became a fully-accredited junior college. By an act of legislature in 1941, the name was changed to Northern Oklahoma Junior College. Further changes were made by the state legislature in 1965 with the passage of the Higher Education Code. This new statement of law changed the institution's official name to Northern Oklahoma College. Its three-man Board of Regents was expanded to five and given added authority and freedom in conducting institutional affairs.

In June 1999, Northern purchased the grounds and buildings of the Phillips University campus in Enid. Phillips University, a private institution established in 1907 by the Disciples of Christ, had closed its doors in August 1998. The purchase of the campus allowed Northern to expand its services to its Enid students and to provide for growth of its academic, student and community programs.

In 2001, Northern Oklahoma College celebrated the centennial anniversary of its founding, and, with the beginning of the fall 2002 semester, entered its second hundred years of providing quality education to students. The history of the institution is unique in the annals of higher education.

In August 2003, Northern joined in a partnership with Oklahoma State University to expand educational opportunities for college-bound students in Oklahoma. The partnership allowed Northern to expand its services to its Stillwater students.

### **VISION STATEMENT**

Northern Oklahoma College will be recognized as a model institution and leader in academic quality and cultural enrichment, promoting student success, collaborative learning, creative and forward thinking, and community responsiveness.

### **MISSION STATEMENT AND STRATEGIC PLAN**

In the 2019-2025 Strategic Plan, Northern Oklahoma College updated its mission statement, maintaining its emphasis on quality education while recognizing its growing presence through multiple locations in Oklahoma:

*Northern Oklahoma College, the State's first public community college, is a multi-campus, land-grant institution that provides high quality, accessible, and affordable educational opportunities and services which create life-changing experiences and develop students as effective learners and leaders within their communities in a connected, ever-changing world.*

Guided by its mission, NOC has set strategic goals to support the educational experience in the following areas:

- Student Quality of Life (including facility maintenance and renovation)
- Recruitment/Retention/Graduation (including program development and academic partnerships)
- Employee Quality of Life and Professional Development
- Increased Revenue Streams (including financial partnerships/sponsorships, grants)

## **CORE VALUES**

### **PERSONALIZED EDUCATION:**

- We believe in providing individualized services that lead our students to achieving their academic goals in a welcoming and safe environment.
- We believe in providing support to students in and out of the classroom so that they receive a full college experience with diverse opportunities.

### **COMMUNITY AND CIVIC ENGAGEMENT:**

- We believe that educated citizens are necessary for a healthy, democratic society, and that free and open expression and an appreciation for diversity are cornerstones of higher education.
- We believe in economic and environmental sustainability and the importance of enriching the intellectual, artistic, economic, and social resources of our communities.

### **CONTINUOUS IMPROVEMENT:**

- We believe in the inherent value of intellectual pursuit for both personal and professional growth, as well as in the need to prepare students for 21st century professions.
- We believe that a knowledge-centered institution is vital to a knowledge-based economy, and we measure our success against national models and standards of excellence.

## **DIVERSITY STATEMENT**

Northern Oklahoma College is committed to developing an interconnected and globally responsive culture of diversity acceptance that includes, but is not limited to, race, ethnicity, color, socioeconomic status, gender and identity, sexual orientation, religion, disability, national origin, veteran status, genetic information, citizenship, political thought, and age. NOC invites different perspectives and encourages all individuals within the NOC community to listen respectfully, both to consider new viewpoints and broaden one's own perspectives.

## **AFFIRMATIVE ACTION PROGRAM**

Northern's Affirmative Action Program reflects the commitment of the College to equal opportunity and outlines the procedures necessary to fulfill this commitment. Northern is committed by policy of its Board of Regents to promote equal opportunity in all phases of college life for all persons within its constituency. Northern's Affirmative Action Program complies with the legal requirements for federal and state civil rights laws and implements directives. To meet adequately the needs of protected groups, such as the qualified handicapped, self-identification is encouraged on enrollment forms so those eligible can be afforded every opportunity to take advantage of the services offered. All information is protected by privacy laws and used only for affirmative action purposes.

### **Locations**

The site of the original Northern Oklahoma College campus, in Tonkawa, Oklahoma, and Northern's sites in Enid, Ponca City, and Stillwater are depicted in the map below.

From any of Northern's locations, students may easily travel to their homes in almost any part of the state. Tonkawa is

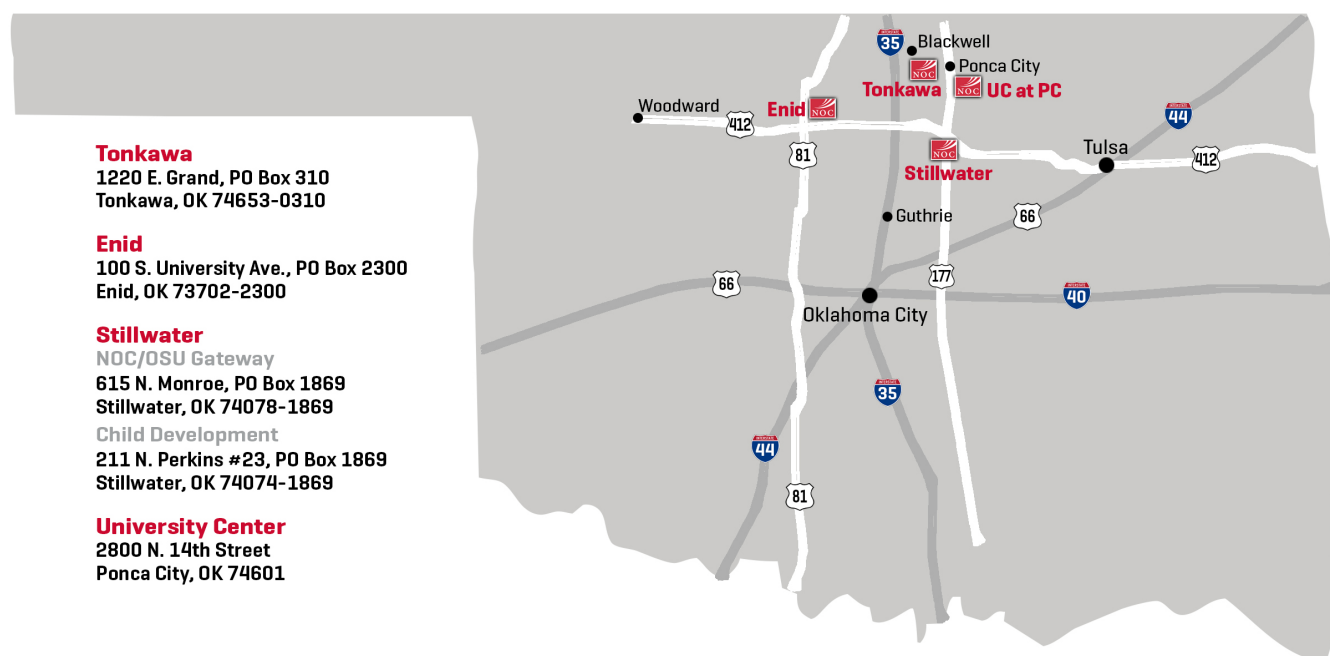


conveniently located on U.S. Highway 60, the main east-west highway in northern Oklahoma, and just two miles east of Interstate Highway 35, the state's north-south traffic artery. Enid is located on a major north-south highway, U.S. 81, and U.S. Highways 412 and 64, major east-west routes. Stillwater is located on a major north-south highway, U.S. 177, and U.S. 51, a major east-west route.

The Tonkawa campus, established in 1901, serves as the administrative center for Northern. All program oversight in academic, financial, student service, personnel, development, physical plant, and information technology is housed in Tonkawa. Over 1500 students attend class on site, by ITV, or via online. Offering over 20 distinct degree paths with over 40 degree options and an array of courses, Northern distinguishes itself as a leading community college in Oklahoma. The Enid site of Northern Oklahoma College was established in 1999 in conjunction with the Oklahoma State Regents for Higher Education (OSRHE) and the City of Enid. This site has grown in offering multiple two-year liberal arts degree programs to some 800 students each semester. The Enid site continues to expand its faculty, curriculum, and numerous clubs and activities.

The Stillwater site, established in 2003, serves multiple missions to area students. Primarily a Gateway Program, the Stillwater site serves students who would otherwise not be admitted to Oklahoma State University. The site, however, also admits students seeking general education courses that transfer to other comprehensive colleges and universities and houses the NOC Stillwater Nursing Program. Northern Stillwater admits approximately 300 new students each fall and spring semester, serving some 1,700 students.

With general education coursework offered at the University Center in Ponca City as a supplement to the bachelor's degrees offered by other institutions that are part of the UC consortium, and program coursework offered in Child Development at Northern's additional location in Stillwater, Northern Oklahoma College serves student needs throughout the Northern Oklahoma region.



## ACCREDITATION AND MEMBERSHIP

Northern Oklahoma College is accredited by the Higher Learning Commission, 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504; telephone (800) 621-7440, NCAHLC website link: <http://ncahlc.org/>.

The Nursing program at Northern is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326; telephone (404) 975-5000.

Northern was the first two-year institution in Oklahoma to receive accreditation by the Accreditation Council for Business Schools and Programs and has maintained accreditation through ACBSP, 11520 West 119th Street, Overland Park, Kansas 66213, telephone (913) 339-9356.

The College also enjoys memberships and affiliations with the following: American Association of Collegiate Registrars and Admissions Officers, American Association of Community Colleges, Council for Advancement and Support of Education, Council of North Central Two-year Colleges, Oklahoma Association of Collegiate Registrars and Admissions Officers, Oklahoma Association of Community Colleges, National League of Nursing, Oklahoma Association for Affirmative Action, Oklahoma Association for Institutional Research and Planning, Oklahoma College Public Relations Association, Committee on Accreditation for Respiratory Care, National Association of University and College Business Officers, Southern Association of University and College Business Officers, Southern Association of Collegiate Registrars and Admission Officers, Oklahoma Association of University and College Business Officers, and Oklahoma Department of Career and Technology Education.

Northern Oklahoma College meets the requirements to participate in the State Authorization Reciprocity Agreement (S.A.R.A.) through approval from the Oklahoma State Regents for Higher Education in April 2016. In addition, NOC is an approved institution by the National Council for State Authorization Reciprocity Agreements (NC-S.A.R.A.). More details can be found at the following links:

Oklahoma State Regents of Higher Education website: <http://www.okhighered.org/admin-fac/sara/>

National Council for State Authorization Reciprocity Agreements website: <http://nc-sara.org/sara-states-institutions>

NOC representatives are active in the Oklahoma Council of Presidents, Council of Instruction, Council of Business Officers, Council of Student Affairs, Communicators Council, Economic Development Council, and Council for Oklahoma Extended Campus Administrators.

## AIR FORCE ROTC

Air Force Reserve Officer Training Corps (AFROTC) AFROTC is a nationwide program that allows students to pursue commissions (become officers) in the United States Air Force (USAF) while simultaneously attending college. AFROTC classes are held on college campuses throughout the United States and Puerto Rico; students can register through normal course registration processes. AFROTC consists of four years of Aerospace Studies classes (Foundations of the USAF, Evolution of USAF and Space Power, Air Force Leadership Studies, and National Security Affairs/Preparation for Active Duty), and a corresponding Leadership Laboratory for each year (where students apply leadership skills, demonstrate command and effective communication, develop physical fitness, and practice military customs and courtesies). College students enrolled in the AFROTC program (known as "cadets") who successfully complete both AFROTC training and college degree requirements will graduate and simultaneously commission as Second Lieutenants in the Active Duty Air Force. The AFROTC program is currently offered at Oklahoma State University, but they have a crosstown agreement that allows our students to enroll in AFROTC and become full-fledged cadet participants. For more information on AFROTC course descriptions, please review the Oklahoma State Regents of Higher Education: <http://registrar.okstate.edu/University-Catalog-College-of-Arts-and-Sciences#aero>. For more information on the AFROTC program, please review the OSU Detachment's website at: <http://afrotc.okstate.edu/>

## COMPARATIVE ANALYSIS ON CAMPUS CRIME

It is an unfortunate fact that criminal incidents of all types occur on college grounds. Most colleges around the nation

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investigate and make public the number, nature and investigative procedures of these incidents. Northern Oklahoma College subscribes to that approach and further believes that the public should know how active Northern is in crime prevention and detection. Updated crime reports are available in the Office of Student Affairs, Office of the Registrar, the Library and on the College website at <http://www.noc.edu/campus-security6>.

## **GOVERNING BOARDS**

The Oklahoma State Regents for Higher Education (OSRHE) is the State's legal structure for providing public education at the collegiate level. The Constitution of Oklahoma and the Oklahoma Higher Education Code as enacted by the 1965 Legislature and as amended during subsequent sessions provide the legal framework for the Oklahoma State Regents for Higher Education to develop and implement policies and procedures necessary to maximize the functioning of this structure.

As noted on the OSRHE website, the establishment of the State Regents is based on State Constitution and calls for both a state governing board and a local governing board with membership appointed by the Governor:

"There is hereby established the Oklahoma State Regents for Higher Education, consisting of nine (9) members appointed by the Governor, confirmed by the Senate, and who shall be removable only for cause, as provided by law for the removal of officers not subject to impeachment. Upon the taking effect of this Article, the Governor shall appoint the said Regents for terms of office as follows: one for a term of one year, one for a term of two years, one for a term of three years, one for a term of four years, one for a term of five years, one for a term of six years, one for a term of seven years, one for a term of eight years, and one for a term of nine years. Any appointment to fill a vacancy shall be for the balance of the term only. Except as above designated, the term of office of said Regents shall be nine years or until their successors are appointed and qualified.

The Regents shall constitute a coordinating board of control for all State institutions described in Section 1 hereof, with the following specific powers: (1) it shall prescribe standards of higher education applicable to each institution; (2) it shall determine the functions and courses of study in each of the institutions to conform to the standards prescribed; (3) it shall grant degrees and other forms of academic recognition for completion of the prescribed courses in all of such institutions; (4) it shall recommend to the State Legislature the budget allocations to each institution, and (5) it shall have the power to recommend to the Legislature proposed fees for all of such institutions, and any such fees shall be effective only within the limits prescribed by the Legislature." (Oklahoma Constitution, Article XIII A, Section 2)

### **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION WEBSITE:**

<http://www.okhighered.org/state-system/overview/part1.shtml>

## **2023 OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION**

Allison D. Garrett., Chancellor, Oklahoma City

Jack Sherry, Chair, Holdenville

Dennis Casey, Vice Chair, Morrison

Steven W. Taylor, Secretary, McAlester

Courtney Warmington, Assistant Secretary, Edmond

Phillip Mitchell "Mitch" Adwon, Tulsa

Jeffrey Hickman, Fairview

Dustin J. Hilliary, Lawton

Ann Holloway, Ardmore

Michael C. Turpen, Oklahoma City

## 2023- 2024 NOC BOARD OF REGENTS

Bradley Fox, Chair, Ponca City  
Jason Turnbow, Vice Chair, Enid  
Michael Martin, Secretary, Stillwater  
Jami Groendyke, Member, Enid  
Mike Loftis, Member, Blackwell

## NOC ORGANIZATIONAL CHART AND FACULTY

### THE EXECUTIVE COUNCIL SERVING NORTHERN OKLAHOMA COLLEGE

**Dr. Clark Harris**, President

*B.S., Kansas State University, 1981; M.S., Kansas State University, 1982; Ph.D., University of Missouri, 1993*

**Dr. Rick Edgington**, Vice President of Enrollment Management and Registrar

*A.A., Northern Oklahoma College, 1984; B.A., Wichita State University, 1986;  
M.Ed., Wichita State University, 1988; Ed.D., Oklahoma State University, 2005*

**Jeremy Hise**, Vice President of the Enid Campus

*A.A., Northern Oklahoma College, 1998; B.A., University of Central Oklahoma, 1999; M.Ed., Northwestern Oklahoma State University, 2002*

**Dr. J. Marsh Howard**, Vice President of the Stillwater Campus

*B.S., Northeastern State University, 1997; M.S., University of Oklahoma, 1999; PhD., Oklahoma State University, 2014*

**Jason Johnson**, Vice President of Student Affairs

*A.A., Northern Oklahoma College, 1994; B.S., University of Central Oklahoma, 1996;  
M.Ed., Northwestern Oklahoma State University, 2003*

**Anita Simpson**, Vice President of Financial Affairs

*A.S., Northern Oklahoma College, 1986; B.S., Oklahoma State University, 1988; CPA, 1999*

**Sheri Snyder**, Vice President of Development and Community Relations

*A.A., Northern Oklahoma College, 1991; B.S., Oklahoma State University, 1993;  
M.Ed., Northwestern Oklahoma State University, 2003*

**Diana Watkins**, Vice President of Academic Affairs

*B.S., Oklahoma State University, 1998; M.S., Oklahoma State University, 2007*

### FULL-TIME FACULTY CREDENTIALS

Full-time faculty and their credentials are listed. Adjunct faculty and contact information for all faculty are found on the NOC website under the "Academic" divisional pages.

(The following designations indicate primary campus location: E-Enid, S-Stillwater, T-Tonkawa.)

\*Division Chairs, while housed on one campus, supervise full-time faculty for their divisions at all locations.)

### Division of Agriculture and Biological Science

**Matt Bolz (E)**

*B.S., Southwestern Oklahoma State University, 2006; M.Ed., Southwestern Oklahoma State University, 2010*

**Kurt Campbell (T)**

*B.S., Oklahoma State University, 1998; DVM, Oklahoma State University, 2001*

Bart Cardwell (T)

*B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1997*

Crys Davis (S)

*B.A., Oklahoma State University, 2008; M.S., Oklahoma State University, 2011*

Scott Harmon (T)

*B.S., Oklahoma State University, 2005; M.Ed., University of Central Oklahoma, 2014*

Mary Ann Harris (E)

*B.S., Kansas State University, 1994; M.S., West Texas A&M University, 1995; Ph.D., University of Arizona, 2005*

Sherrie Martin (S)

*B.S., Oklahoma State University, 1998; M.S., Oklahoma State University, 2001*

Mary Ann McCoy (E)

*B.S., Alcorn State University, 1979; M.S., Alcorn State University, 1998; Ed.D., Northcentral University, 2020*

\*Tricia Moore (T)

*B.S., Tarleton State University, 1992; M.S., Oklahoma State University, 1995*

### **Division of Business**

Bart Allen (T)

*A.S. Northeastern Oklahoma College, 1982; B.S., Kansas State University, 1985; MBA, Pittsburgh State University, 1989*

Todd Ging (E)

*B.S., Southern Nazarene University, 2002; MBA, University of Phoenix, 2005*

Jill Harmon (T)

*B.S., University Central Oklahoma, 2002; M.Ed., University of Central Oklahoma, 2005*

Leslie Johns (S)

*A.S., Northern Oklahoma College, 1997; B.S., Oklahoma City University, 2000; MBA, Cameron University, 2004*

\*Cara Beth Johnson (T)

*B.S., University of Central Oklahoma, 1999; MBA, Cameron University, 2001*

Stephanie Weckler (S)

*B.S., Oral Roberts University, 1983; MTAX, University of Tulsa, 1989*

### **Division of Engineering, Physical Science, and Process Technology**

Jim Dickinson (S)

*A.S., Northern Oklahoma College, 2014; B.S., Oklahoma State University, M.S., Oklahoma State University, 2019*

Charmaine Munro (E)

*B.S., Midwestern State University, 1998; Ph.D., Oklahoma State University, 2014*

Chris Storm (S)

*B.S., University of Southern Mississippi, 2004; M.S. University of Southern Mississippi, 2006*

\*Frankie Wood-Black (T)

*B.S., University of Central Oklahoma, 1984; MBA, Regis University, 2002; Ph.D., Oklahoma State University, 1989*



### **Division of Fine Arts**

Chad Anderson (T)

*B.A., Oklahoma Christian University, 1998; M.A., Oklahoma City University, 2000; M.F.A., University of Oklahoma, 2012*

\*Edward Dixon (T)

*B.S., Austin Peay State University, 2003; M.Mu., Austin Peay State University, 2005; Ph.D., Boston University, 2019*

Brandon Haynes (T)

*B.M., Oklahoma City University, 2011; M.M., University of Central Oklahoma, 2018*

Brad Matson (T)

*B.A., University of Oklahoma, 1988*

Audrey Schmitz (T)

*B.F.A., William Woods College, 1979; M.Ed., Northwestern Oklahoma State University, 2004*

Shannon Varner (T)

*B.Mu., Cameron University, 2000; M.Mu., Oklahoma City University, 2002*

### **Division of Health, Physical Education, and Recreation**

Julie Baggett (E)

*B.S., University Central Oklahoma, 2000; M.Ed., University Central Oklahoma, 2011*

\*Suzi Brown (T)

*B.S., Oklahoma State University, 2003; M.Ed., Southwestern Oklahoma State University, 2006*

Chris Gerber (E)

*B.S., Southwestern Oklahoma State University, 2014, M.Ed., Southwestern Oklahoma State University, 2018*

Brandon Gossett (T)

*B.S., Eureka College, 2017; M.S., Chadron State College, 2020*

Megan Hill (E)

*M.S., Emporia State University, 2013*

### **Division of Language Arts**

Paul Bowers (E)

*B.A., University of Tulsa, 1985; M.A., Oklahoma State University, 1990; Ph.D., Oklahoma State University, 1996*

Tammy Davis (S)

*B.A., Fort Hayes State University, 1987; M.S., Kansas State University, 1995*

Stacey Frazier (T)

*B.A., Oklahoma State University, 2001; MBA, University of Phoenix, 2009; Ed. D., Curriculum and Teaching (English emphasis), Northcentral University, 2019*

DeLisa Ging (E)

*B.A., East Central University, 1994; Ed.D., Oklahoma State University, 2005*

Lauren Kennedy (T)

*B.A., Oklahoma State University, 2016; M.A., University of Central Oklahoma, 2020*

Lisa Nordquist (T)

*B.S., Southwestern Oklahoma State University, 1995; M.Ed., Southwestern Oklahoma State University, 2006*

Dean Percy (T)

*B.A., Northwestern Oklahoma State University, 1998; M.Ed., Northwestern Oklahoma State University, 2003*

Alicia Sharp (T/S)

*B.A., Oklahoma State University, 2003; M.A., University of North Texas, 2006*

Jeff Tate (E)

*B.A., University Central Oklahoma, 1991; M.A., University Central Oklahoma, 1993; Ph.D., Oklahoma State University, 2015*

### **Division of Math**

Dee Cooper (T)

*A.S., Northern Oklahoma College, 1996; B.S., Oklahoma State University, 1999; M.Ed., Southwestern Oklahoma State University, 2007*

Lynn DeMuth (T)

*B.S., Oklahoma State University, 1984; M.A., Chadron State College, 2017*

\*Cassie Firth (S)

*B.S., Oklahoma State University, 1999; M.A., University of Phoenix, 2003*

Christi Hook (T)

*B.S., Northwestern Oklahoma State University, 1992; M.A., Chadron State College, 2015*

Tim Kruse (S)

*B.S., Oklahoma State University, 1997; Ed.D, Oklahoma State University, 2012*

Courtney Miller (S)

*B.A., University of Oklahoma, 2006; M.S. University of Central Oklahoma, 2011; Ph.D., Oklahoma State University, 2023*

Karri Morrill (T)

*A.A.S., Northern Oklahoma College, 2003; B.S., Northwestern Oklahoma State University, 2004; M.Ed., Northwestern Oklahoma State University, 2019*

Wendy O'Neill (E)

*B.S., Vanderbilt University, 1991; M.A., University of Texas at Dallas, 2000*

Cecil Phibbs (S)

*B.S., Palm Beach Atlantic University, 2002; M.S., Florida Atlantic University, 2013*

Kathi Shamburg (E)

*B.S., East Central University, 1987; M.A., Chadron State College, 2017*

Stephani Spurlock (E)

*B.S., Northwestern Oklahoma State University, 1993; M.S., Southwestern Oklahoma State University, 1998*

### **Division of Nursing**

Brian Baird (S)

*BSN, University of Oklahoma, 1986; MSN, Southern Nazarene University, 2009*

Kim Brewer (T)

*BSN, Northwestern Oklahoma State University, 1996; MSN, University of Oklahoma, 2019*

Elaine Briggs (T)

*BSN, Oklahoma Baptist University, 1987; MSN, University of Oklahoma, 2016*

Vickie Crouch (S)

*BSN, Langston University, 2002; MSN, University of Phoenix, 2011; DNP, Oklahoma City University, 2020*

Kim Brewer (T)

*BSN, Northwestern Oklahoma State University, 1996; MSN, University of Oklahoma, 2019*

Florence Marie Head (T)

*BSN, Kaplan University, 2014; MSN, Kaplan University, 2017; DNP, Oklahoma City University, 2020*

April Heitfeld (E)

*A.A.S., Northern Oklahoma College, 2007; BSN, Southwestern Oklahoma State University, 2010; M.S., University of Oklahoma, 2012*

\*Nikole Hicks (T)

*BSN, University of Iowa, 1989; MSN, University of Phoenix, 2002; PhD in Nursing Education, University of Northern Colorado, 2014*

Jonie Johnson (E)

*BSN, Southwestern Oklahoma State University, 1988*

Rachel Kroemer (T)

*BSN, Emporia State University, 2001; BSN, Washburn University, 2011; MSN, Fort Hays State University, 2023*

Jenifer Lancaster (S)

*BSN, Northwestern Oklahoma State University, 2007; MSN, Oklahoma Wesleyan University, 2021*

Kathy Phillips (S)

*BSN, University Central Oklahoma, 2004; MSN, University of Oklahoma, 2013*

Yuracy Salazar (E)

*A.A., Southwest Texas Junior College, 2009; B.A., Texas A&M University – Kingsville; B.S., Texas A&M University-Corpus Christi, 2013; M.S., Texas A&M University – Corpus Christi, 2018; Ph.D. in Nursing Education, Texas Tech University, 2023*

Wendy Spiva (E)

*BSN, Northwestern Oklahoma State University, 1998*

Deryl Gulliford (E-Respiratory Care Degree Program Director)

*B.S., Ohio State University, 1980. MHA, University of Cincinnati, 1985*

### **Division of Social Science**

Ryan Bay (E)

*B.S., Missouri Valley College, 1999; M.Ed., Northwestern Oklahoma State University, 2002*

Troy Cochran (T)

*B.S. Central Christian College of Kansas, 2013; M.S., University of Cincinnati, 2015*

Peggy Emde (S)

*B.S., Oklahoma State University, 1980; M.S., Capella University, 2011*

\*Darrell Frost (T)

*B.A., Oklahoma State University, 1999; M.S., University of Phoenix, 2008*

Jerry Hawkins (E)

*B.A., Southwestern Oklahoma State University, 1985; M.Ed., Southwestern Oklahoma State University, 1990*

Greg Krause (T)

*B.S., Oklahoma City University, 1978; M.S., Arizona State University, 2017*

Luke Kruse (S)

*B.S., Oklahoma State University, 2007; M.Ed., Northwestern Oklahoma State University, 2017*

Steve McClaren (E)

*B.A., Grand Canyon University, 1976; M.Ed., Northwestern Oklahoma State University, 2007*

Tiffany Meacham (E)

*B.A., University of Oklahoma, 2002; M.Ed., Northwestern Oklahoma State University, 2006*

Brenda Pennington (T)

*B.A., Northwestern Oklahoma State University, 2001; M.Ed., Northwestern Oklahoma State University, 2006*

Ty Shreck (T)

*A.A. Northern Oklahoma College, 2006; B.A., University Central Oklahoma, 2008; M.Ed., Southwestern Oklahoma State University, 2013*

Alyce Webb (T)

*B.A., University of Central Oklahoma, 2012; M.A., University of Central Oklahoma, 2013; Ph.D., Oklahoma State University, 2017.*

A COMPLETE INSTITUTIONAL ORGANIZATIONAL CHART MAY BE FOUND AT THE FOLLOWING LINK ON NOC's WEBSITE: <http://www.noc.edu/organizational-chart>.

## APPLICATION, ADMISSIONS, AND ENROLLMENT

### APPLICATION PROCEDURE

The forms needed to apply for general admission to Northern Oklahoma College, whether as a first-time freshmen or transfer student, can be found on the NOC website application page: <http://www.noc.edu/apply/>

Enrollment checklists to guide students through each step of the enrollment procedure may be found on the NOC website Future Students' page: <http://www.noc.edu/future-students>.

High school seniors and juniors seeking concurrent admission should complete the application form found on the NOC website admissions' page: <http://www.noc.edu/admissions>. Videos under the "Concurrent Student" link of the NOC website may be viewed for helpful orientations for first-time students.

International students seeking admission should complete the application form found on the NOC website "International Students" page: <http://www.noc.edu/international-students>.

### ADMISSION GUIDELINES

Students may be admitted to Northern Oklahoma College at the beginning of any semester. Any individual who (1) is a graduate of an accredited high school or whose high school class has graduated or has received a GED certificate and (2) has participated in the American College Testing (ACT) program or a similar acceptable battery of tests is eligible for admission to Northern Oklahoma College.

GED prep sites in Oklahoma – Prospective students can prepare for the GED by studying online or by choosing a traditional GED prep class near them. Listed below are the nearest sites for our campus communities.

#### Enid

Enid Public Schools

Lincoln Academy

[https://la.enidpublicschools.org/81827\\_2?personID=62062](https://la.enidpublicschools.org/81827_2?personID=62062)

600 W Elm Avenue

Enid, OK 73701

580-366-8150

#### Stillwater

Meridian Career Technology Center

<https://www.meridiantech.edu/admissions/ged/>

1312 S Sangre Road, Bldg. B-3

Stillwater, OK 74074

405-377-3333

#### Ponca City

Pioneer Technology Center

<https://pioneertech.edu/adult-basic-ed-abe-hse>

2101 N Ash Street, Room B109

Ponca City, OK 74601

580-762-8336

Explore all Oklahoma testing centers <https://www.passged.com/state/oklahoma#testing-centers>



Oklahoma Statutes, Title 70 §3244, requires that all students who enroll as a full-time or part-time student in an Oklahoma public or private postsecondary institution provide documentation of vaccinations against hepatitis B, measles, mumps, and rubella (MMR). The statute requires that institutions notify students of the vaccination requirements and provide students with educational information concerning hepatitis B, measles, mumps, and rubella (MMR), including the risks and benefits of the vaccination.

## **HIGH SCHOOL CURRICULAR ADMISSION**

Students wishing to complete an Associate in Science or an Associate in Arts degree must meet state high school curricular requirements. Effective with the Fall 2011 semester, the high school curricular criteria include the following:

- 4 units of English (grammar, composition, literature)
- 3 units of math (from Algebra I, Algebra II, geometry, trigonometry, math analysis, pre-calculus, calculus, Advanced Placement Statistics)
- 3 units of lab science (biology, chemistry, physics, or any lab science certified by the school district)
- 3 units of history and citizenship skills (including 1 unit of American history and 2 units from the subjects of history, government, geography, economics, and/or non-Western culture)
- 2 units from any of the subjects above, computer science, foreign language, or any Advanced Placement course
- Total-15 Units

Students lacking curricular requirements are admissible into Associate in Arts or Associate in Science programs but must remove the deficiencies at the earliest possible time within the first 24 hours attempted, not including developmental courses. In addition, students must remove curricular deficiencies in a discipline area before taking collegiate level work in that discipline. Students may remove curricular deficiencies either by successfully completing a 0-level course or by successfully completing an appropriate examination. Co-curricular opportunities are available as well, allowing students to begin earning college credit while simultaneously enrolled in developmental courses that provide additional support. Placement guidelines for these course options may be found on the NOC website page for Testing: <http://www.noc.edu/act>.

Courses taken to remove high school curricular deficiencies may not count toward satisfaction of degree program requirements.

## **HIGH SCHOOL CURRICULAR ADMISSION REQUIREMENTS FOR ASSOCIATE IN APPLIED SCIENCE**

Students entering Associate in Applied Science degree programs must remove high school curricular requirement deficiencies before taking courses in the same field as part of an AAS degree. Students admitted under this provision may not transfer into an Associate in Arts, Associate in Science, or baccalaureate program without first completing the high school curricular deficiencies.

## **ADMISSION TO THE NURSING PROGRAM**

Admission to the nursing program involves a selection process. Prospective nursing students should contact the Nursing Division to seek admission (580 628-6679). A point system is used to determine admittance to the nursing program. 6 areas are awarded points: (1) GPA for college OR high school GPA if a student has no college credits, (2) Biology or Chemistry grade for college OR high school AP biology or chemistry grade OR if no college or AP biology or chemistry grade, then the ACT sub-score for science reasoning, (3) HESI A2 exam taken within the last 3 years, (4) Health related work experience, (5) Previous college degrees, and (6) Writing/essay component. Admission to the nursing program is competitive, and interviews may be employed as a secondary tool to determine admission when numerous students fall within the same point range.

## **ADMISSION CATEGORIES**

### **CONCURRENT HIGH SCHOOL STUDENTS**

High school juniors and seniors seeking admission should bring the completed concurrent permission form for admission, a current high school transcript, and the results of their ACT to the Registrar's Office to be formally admitted. See the following link for all Concurrent Student forms and policies: <http://www.noc.edu/concurrent-students>.

### **FIRST-TIME FRESHMAN**

All applicants seeking admission must complete and submit an Application for Admission. Students should also request that their high school counselor or principal send to the Registrar's Office a high school transcript that contains the most current class rank and grade-point average (6th, 7th, or 8th semester). In addition, at the time of application, a request should be made to have the results of the ACT sent to the Registrar's Office, unless such a request was made at the time of testing.

### **HOME STUDY OR NON-ACCREDITED HIGH SCHOOL STUDENTS**

Any applicant who is a graduate of a private, parochial, or other nonpublic high school which is not accredited by a recognized accrediting agency and (1) has participated in the American College Testing (ACT) program, (2) whose high school class has graduated, and (3) has satisfied the high school curricular requirements of Northern Oklahoma College as certified by the school, or for home study, the parent, is eligible for admission.

### **INTERNATIONAL OR ESL STUDENTS**

International students are required to complete the international application and make a \$5000 deposit before being permitted to enroll. Additionally, students for whom English is a second language are required to present evidence of proficiency in the English language prior to admission. A minimum score of 61 is required on the IBT or 5.5+ on IELTS exam. Provisional admission may be granted if the applicant has scored 460 and has studied at an approved English language school for a minimum of 12 weeks after taking the TOEFL. All international students are required to submit official transcripts to WES (World Education Services) for evaluation and conversion into the American system.

### **OPPORTUNITY ADMISSION**

Students who have not graduated from high school and whose composite standard score on the American College Test (ACT) places them at the 99th percentile of all students using Oklahoma norms may apply for full enrollment at Northern Oklahoma College. Northern will determine the admissibility based on test scores, evaluation of the student's level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of students intellectually and socially.

### **SPECIAL NON-DEGREE SEEKING STUDENTS**

Students who wish to enroll in courses without intending to pursue a degree may be permitted to enroll in up to nine credit hours without declaring a major. After completion of nine credit hours, students must meet institutional admission or transfer requirements. Students must submit ACT scores or take placement tests for any area of remediation and complete designated coursework.

### **TRANSFER STUDENTS**

Students who have enrolled in one or more colleges prior to applying to Northern Oklahoma College must complete and submit an Application for Admission and request that the registrar at each college send an official transcript of all work attempted to the Northern Registrar's Office. An Oklahoma State System student who wishes to transfer to Northern Oklahoma College must have a grade-point average high enough to meet Northern Oklahoma College's retention standards to be admitted as a regular student. An undergraduate student wishing to transfer from an out-of-state college or university must (1) meet Northern Oklahoma College's admission requirements and (2) have made an

average grade of C in the institution from which the student is transferring.

### **TRANSFER PROBATION STUDENTS**

Students who do not meet the minimum retention standards for Northern Oklahoma College, but who have not been formally suspended from the institution previously attended, may be admitted as transfer probation students. Students are admitted on probation and must maintain a retention/graduation 2.00 GPA each semester while on probation or raise their retention/graduation GPA to a level as designated in the Academic Regulations section. Any “transfer probation” student with curricular deficiencies must remove the deficiencies within the first 12 hours of enrollment and are eligible for admission only if admitted and enrolled before the first day of class.

### **SUSPENDED STUDENTS FROM OTHER SYSTEM INSTITUTIONS**

Students who are suspended from other public system institutions may be admitted to Northern Oklahoma College if they follow the Academic Suspension Appeals procedures and agree to participate in appropriate remediation activities. In addition, they must be approved for admission by filing an appeal and having the suspension rescinded by the chief admissions officer, his or her designee, and/or the Academic and Financial Aids Appeals Committee. All students admitted through this procedure are on immediate probation and are eligible for admission only if admitted and enrolled prior to the first day of class.

### **READMISSION OF SUSPENDED STUDENTS**

Students who are academically suspended by Northern Oklahoma College will not be allowed to re-enroll at the institution unless suspension is rescinded by the chief admissions officer, his or her designee, and/or the Academic and Financial Aids Appeals Committee. Details for academic suspension appeals are found in the Academic Regulations section of this catalog. Students may become eligible for readmission only if admitted and enrolled prior to the first day of class. Suspended students who are readmitted must also agree to participate in appropriate remediation sessions in the student’s areas of weakness. These areas may be but are not limited to study in reading, written communication skills and mathematics. Should a reinstated or readmitted student be suspended for a second time, the student cannot return to Northern Oklahoma College until he/she has attended another institution and raised his/her retention GPA to the established retention standards.

## **NON-ACADEMIC ADMISSION CRITERIA**

In addition to the academic criteria used by institutions in the Oklahoma State System as the basis for student admission, Northern Oklahoma College shall consider the following non-academic criteria in deciding whether a first-time applicant or a transfer student shall be granted admission:

- Whether an applicant has been expelled, suspended, denied admission or denied readmission by any other educational institution.
- Whether an applicant has been convicted of a felony or convicted of any lesser crime involving moral turpitude.
- Whether an applicant's conduct has been such that if, at the time of the conduct in question, the applicant had been a student at the institution to which application is made, the course of conduct would have been grounds for expulsion, suspension, dismissal or denial of readmission.

If Northern Oklahoma College finds that an applicant meets any of the above criteria, then Northern Oklahoma College shall deny admission to the applicant if it decides that any of the events described in the Academic Affairs Policy of the Oklahoma State Regents for Higher Education are indicative of the applicant's unfitness, at the time of application, to be a student at Northern Oklahoma College. If an applicant is denied admission on any of the foregoing grounds, there must be substantial evidence supporting the basis for denial. In addition, the applicant must be afforded adequate procedural safeguards, including the following:

- Be advised of the grounds for the denial.
- Be informed of the facts which form a basis of the denial.

- Be afforded an opportunity to be heard.

## BEGINNING THE ENROLLMENT PROCESS

Instructors will not admit students to a class in which they are not regularly enrolled, and credit will not be given for a subject carried without proper registration. Northern offers pre-enrollment for the following semester several weeks before the end of the current one. Early enrollment is advisable to ensure availability of classes needed. A class closes when the maximum class size is reached.

Registration consists of the following steps:

- The student reports to the College Registrar for assignment of an academic advisor. Although all possible assistance will be given by the advisor, the final responsibility for complying with the required steps in the registration rests with the student.
- If necessary, placement tests will be taken. Students are encouraged to make a testing appointment and are also advised to prepare before testing by reviewing the resources listed on the ACT website. Students who need to test in more than one area might find it beneficial to spread out the testing over more than one test session.
- After any necessary placement testing, the student reports to a targeted enrollment day or an academic advisor who assists him/her in constructing a class schedule based upon the declared major and necessary general education courses. If possible, the student should make an appointment with that academic advisor to insure there will be sufficient time for discussing academic and career goals and the best course of study.

While students will have some scheduling options, courses selected must be in conformity with the curriculum decided upon, and a careful check for prerequisites should be made.

A Prerequisite refers to a course that must be completed prior to enrolling in another course—for example, ENGL 1113 Composition I must be taken before enrolling in ENGL 1213 Composition II.

Once a curriculum has been decided upon, the student, with the help of the academic advisor, can plan ahead so that subsequent registrations may be completed before the rush of registration day.

## UNDERSTANDING COURSE NUMBER AND COURSE LOAD

NOC operates on a semester schedule with two 16-week semesters and a summer term that typically includes Early 6, Early 4, Late 6, and Late 4 courses. NOC adheres to the Oklahoma State Regents for Higher Education's policy regarding academic calendar standards and the calculation of a semester hour of credit. Those standards are reflected in the chart below:

Time listed represents in-class time only with the expectation that students will spend approximately two hours out of class in reading and completing homework assignments for every hour in class.

For online courses, the expectation is that students will spend approximately 3 hours per week for every credit hour of enrollment, either directly online or completing work for the course.

If the course is	Meeting time will be	Lab hours for most science classes (e.g. Biology, Chemistry, Earth Science, Physical Science, and Physics) will meet for 100 minutes per week with additional work outside expected out of class. Microbiology meets for 160 minutes. Credit for labs and grades for lab participation and assignments are included within the accompanying lecture course.
1 credit	800 minutes	
2 credit	1600 minutes	
3 credit	2400 minutes	
4 credit	3200 minutes	
5 credit	4000 minutes	

Before beginning to plan coursework for a four-semester period, students should be aware of the following facts

concerning course numbers, semester course loads, and expected study time. The course number has special meaning. The first of the four-digit numbers represents the level of the offering, whether it is a first-year or a second-year course. Courses numbered in the 1000 group will normally be taken when the student is in his or her first year of college. The middle numbers of the four digits usually indicate the order of a course in its series. The final digit shows the credit hours earned by completing the course. Thus, a course numbered 1113 shows the course to be freshman level, the first in a series and worth three credit hours.

If the final digit is 3, then the student can expect to be in class approximately three hours per week. Some courses may vary slightly from this pattern. If the final digit for the course number is 0, the credit is variable; i.e., one to six hours of credit are determined by the instructor and should be communicated to the student at the time of registration.

If the first digit of the four digit number is 0, this course is a developmental course designed to prepare students for college level course work. College-level credit is not awarded for the completion of developmental courses.

Developmental courses are not calculated in the retention graduation or cumulative grade-point average. Depending on the number of 0-level courses needed, a student may require more than two years at Northern to receive an associate degree.

### **DETERMINING APPROPRIATE COURSE LOAD**

The entering student should understand that four 15 credit-hour semesters need to be achieved in order to complete the 60 course hours required for most degrees. In actual practice, many students may take 14 hours one semester and 16 hours another semester in order to complete specific course requirements. Students should note that although only 12 hours are required to be considered full-time for financial aid purposes, an average load of 15 credit hours per semester (above developmental courses and activity courses that do not count toward retention GPA) is needed to complete the associate degree within two years.

A normal course load of 15-18 credit hours means that a student will be in class approximately 15 to 20 hours per week, depending on the number of courses requiring a laboratory period, and approximately 30 additional hours per week may be required for class preparation and studying.

Per State Regents' policy, a maximum credit load in any given term is "limited to a number of semester-credit hours which is 50 percent greater than the total number of weeks in the applicable academic term" [Section 3.12 of the Academic Affairs Procedures Manual]. Northern policy is that a student may enroll in a maximum of 19 semester hours in a regular 16-week term; requests to enroll in 20-24 hours (the State maximum for a 16-week term) require completing a petitioning card in the Registration Office. In a summer term, students may enroll in a maximum of 9 hours for a 6-week term, with no more than 6 hours taken during any 4-week term.

### **PROCEDURES FOR ADDING, DROPPING, AND WITHDRAWING FROM CLASS**

A student may change his/her class schedule by dropping or adding a course without financial penalty during the Drop or Add Period as specified in the Academic Calendar. The add period is the first week (actual days, not class periods) of the fall or spring semester. During the summer session the add period varies, and the student should consult the academic calendar for that term. The drop period is the first two weeks of the fall or spring semester. During the summer session the drop period varies; again, consult the academic calendar for that term.

#### **DROPPING**

Dropping refers to the dropping of one or more courses while remaining enrolled in at least one course for a given semester. To drop a course a student must obtain his/her advisor's signature and/or his/her instructor's signature on the Add/Drop form. The student must then take this form to the Registrar's Office. Ceasing to attend a class does not constitute a drop. If a class drop occurs during the Drop or Add Period, the dropped class will not appear on the student's permanent record. If a student drops after the drop period through the twelfth week of a regular semester, a grade of W will appear on the student's transcript. A W has no grade-point value and is not used as "hours attempted"



in the computation of grade-point averages.

After the twelfth week of the semester, a grade of W or F will appear on the student's transcript, dependent upon grade status at the time the course was dropped. Designation of W does not affect grade-point value. In the fall and spring semesters, no drops will be processed after 5:00 p.m. on Friday before the week of final examinations. During summer sessions, no drops will be processed after 5:00 p.m. on the day before final examinations.

### **WITHDRAWING**

Withdrawing from Northern Oklahoma College refers to withdrawing from all courses in which a student is enrolled for a given semester. To withdraw from all courses a student must go to the Registrar's Office and formally withdraw from all courses or provide notification in writing and signed. Simply to stop attending classes does not constitute withdrawal and the student may receive a mark of "F" in all courses. A student may withdraw from school any time before the week of final examinations. If the withdrawal occurs up through the first ten days of a regular semester, courses do not appear on the student's permanent record. Withdrawal after this period results in designations of W or F as noted in the paragraph above for dropping a course.

Tuition and fees will be refunded to withdrawing students of a regular semester only on the following basis: 100 percent during the Drop Period, zero percent following the drop period. Special consideration is given to students in good academic standing who withdraw to enter military service.

## **Policy on Prior Learning Assessment or Obtaining Credit by Examination**

### **CREDIT BY PLA**

A student whose educational experiences appear to give him/her knowledge or proficiency equivalent to that ordinarily attained by those who have taken a course in regular classes may be allowed to take an examination for credit in the course if approved by the division chair for the academic division in which the credit would be offered. Credits earned by examination will be counted toward meeting the requirements of any degree program of which the course is a part. Credits earned by examination in courses which are not a part of the specific requirements of a certain degree program may be counted as electives within the total credits normally prescribed for a degree.

### **CREDIT BY EXAM**

**CLEP Credit:** Northern Oklahoma College is a national test site for the College Board's College Level Examination Program (CLEP). Credits earned through these examinations are normally recognized throughout the nation. Some exceptions apply to examinations that contain an essay component. National CLEP testing centers offer two kinds of examinations: general examinations and subject examinations. NOC only grants college credit for certain subject examinations (see link below). Any CLEP exam may be repeated after a time period of six months. A CLEP exam repeated earlier than six months will be cancelled and all fees will be forfeited. Students are required to submit an official CLEP score report if taken at another institution.

**AP Credit:** NOC grants credit for acceptable scores in the Advanced Placement Program (AP) as administered by the College Entrance Examination Board in Princeton, New Jersey. AP tests are taken by high school students while in high school. Students are also required to submit official AP score reports for evaluation if the student did not send the report directly to NOC.

A brochure of the CLEP and AP examinations and corresponding scores accepted by NOC can be found on the NOC Testing website: <http://www.noc.edu/noctesting>.

**Military credit:** NOC accepts credit as recommended by the American Council on Education (ACE), as published in "The Guide to the Evaluation of Military Experiences in the Armed Services." Please see the Council's website at: <http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx> for more information on how selected educational experiences gained through the armed forces can translate into college credit. NOC also accepts credit earned through DSST exams (DANTES Subject Standardized Tests) for active, veteran and dependent military

personnel. A JST (Joint Services Transcript) and/or a DSST Transcript must be submitted to the NOC Admission Office for evaluation of credit for military training.

Students are encouraged to inquire if they believe they are eligible for additional credit via other means of testing. Inquiries should be made in the NOC Registrar's office.

### **POLICY ON TRANSFER CREDIT**

When a student is admitted to NOC, his or her transcripts are evaluated for transfer credit. NOC recognizes transfer credit from U.S. regionally-accredited associations. Students must provide official transcripts from every school they have attended. Failure to acknowledge and submit transcripts from all schools attending may be considered academic fraud and might result in a student's expulsion from the institution.

A student's academic advisor, in consultation with the division chair, will determine how and if transfer credits can count toward degree requirements and which hours do count. For in-state institutions contributing to the state transfer matrix, course equivalency is determined by that matrix. Courses taken at a non-accredited school, or one whose accreditation is not recognized, will require submission of course descriptions and syllabi for possible credit. These documents might also be required for other in-state transfer decisions when a course is not listed on the state transfer matrix nor on internal transfer guides for partner institutions.

Students transferring from Northern Oklahoma College to other in-state institutions should expect all general education courses listed on the state transfer matrix (OSRHE transfer matrix website: <http://www.okhighered.org/transfer-students/course-transfer.shtml>) to transfer for equivalent courses listed; however, the credit awarded for any degree remains at the discretion of the receiving institution.

**Note:** Some transfer institutions may set grade requirements for either general education or program courses (e.g. a "C" rather than a "D" is required to "pass"). Students planning to transfer should always review the requirements of the transfer institution as they are completing coursework at NOC.

### **TECHNICAL TRANSFER CREDIT POLICY**

Northern Oklahoma College's policies for evaluating, awarding, and accepting technical credit for transfer are consistent with the College's mission and with the State's focus on aligning coursework to ensure a quality education through common learning outcomes reviewed by faculty experts in the discipline.

Northern Oklahoma College (NOC) may only accept transfer of technical credits from an Oklahoma technology center towards technical major degree requirements in a college technical certificate, an associate in applied science degree, or a technology baccalaureate degree in which NOC faculty have documented expertise.

Transfer of technical credits from a technology center that is part of the Oklahoma Technology Center System will be evaluated using the Statewide Technical Course Articulation Matrix from the Oklahoma State Regents for Higher Education (OSRHE). Academic credit earned for technical courses appearing on an official transcript from an Oklahoma technology center and listed on the Statewide Technical Course Articulation Matrix will be processed by NOC's Office of Admissions. The Office of Admissions will follow The Undergraduate Transfer and Articulation policy from the OSRHE.

Transfer of technical credits based on a different unit of credit than the one used at NOC is subject to conversion before being transferred. Only official transcript and technical course evaluations based on the OSRHE Statewide Technical Course Articulation Matrix and processed by the NOC's Office of Admissions are official. Any preliminary reviews by campus personnel are unofficial and not binding, and subject to change.

## STUDENT CONSUMER INFORMATION

The Student Consumer Regulations of the U.S. Department of Education requires colleges and universities to provide their students access to certain information to which they are entitled as consumers.

The Higher Education Act of 1965 (HEA), as amended by the Higher Education Opportunity Act of 2008 (HEOA), includes many disclosure and reporting requirements. A disclosure requirement is information that an institution of higher education is required to distribute or make available to another party, such as students or employees. A reporting requirement is information submitted to the U.S. Department of Education or other governmental agencies. Disclosure and reporting requirements sometimes overlap. For certain topics, institutions are required to make information available to students or others and to submit information to the Department of Education.

Northern Oklahoma College is committed to providing access to information that will allow consumers such as students, parents, counselors, and others to make informed decisions about post-secondary education. The NOC website includes a link to the Consumer Information, which provides a single access point to all federally-mandated reports and disclosures. The annual notice will be posted under Consumer Information as well as emailed to all NOC students and employees in August of each year. As new policies and procedures related to Consumer Information and Students' Right to Know are modified and approved, they will be added to the appropriate publications and new website link. [www.noc.edu/consumerinformation](http://www.noc.edu/consumerinformation). The Higher Education Act of 1965 website: <https://www.govinfo.gov/content/pkg/STATUTE-79/pdf/STATUTE-79-Pg1219.pdf#page=37> Higher Education Opportunity Act of 2008 website: <https://www2.ed.gov/policy/highered/leg/hea08/index.html>

All students at Northern Oklahoma College have a right to request and receive information regarding certain Student Consumer Information disclosures. The following chart outlines the types of information available and where to obtain it:

Information	Publication	Where Available
Rights under the Family Education Rights and Privacy Act (FERPA)	College Catalog and Student Handbook	Office of Student Affairs Office of the Registrar / Online at <a href="http://www.noc.edu">www.noc.edu</a>
Federal Family Education Loan deferments for Peace Corps or volunteer service	Financial Aid Consumer Information	Office of Financial Aid / Online at <a href="http://www.noc.edu">www.noc.edu</a>
Available financial assistance including federal, state and local financial aid opportunities	Financial Aid Consumer Information	Office of Financial Aid / Online at <a href="http://www.noc.edu">www.noc.edu</a> Office of Student Affairs
Merit-based and need-based Scholarships	Course Catalog and Student Handbook	Office of the Registrar Scholarship Office
Institutional information including history and philosophy of NOC, accreditation, admissions, enrollment, academic regulations, estimated student expenses, student organizations and College services.	Course Catalog and Student Handbook	Office of the Registrar, Office of Student Affairs, online at <a href="http://www.noc.edu">www.noc.edu</a>
Completion/graduation/transfer rates	Fact Book	Office of Academic Affairs, online at <a href="http://www.noc.edu">www.noc.edu</a>

Report on athletic program participation rates and financial support data		Office of the Athletic Director
Campus security report	Clery Report	Office of Student Affairs, online at <a href="http://www.noc.edu">www.noc.edu</a>
Accessible services, activities and facilities	Student Disability Services Handbook	Office of Student Affairs
Copyright and fair use information	Course Catalog and Student Handbook	Library, online at <a href="https://www.noc.edu/about-noc/consumerinformation/">https://www.noc.edu/about-noc/consumerinformation/</a>

## STUDENT FILES

### PERMANENT ACADEMIC FILES

The contents of a student's permanent academic file will include personal identification data, test scores, enrollment periods, courses and grades, institutional holds, transcripts or educational history, waivers and other individualized items. The following will have access to a student's permanent academic file: the student, faculty advisor(s), counselors, administrative officials, authorized state and HEW officials under law, accreditation officials, parties granted consent by student, parents of dependent students (as defined by IRS guidelines), researchers and officials of a granting agency for financial aid accepted by the student. The Registrar is responsible for maintaining these records and all case files are destroyed after five years.

### DISCIPLINARY CASE FILES

Only those cases in which the formal actions of probation or suspension are taken are considered official institutional records. These shall contain data on the charge, the evidence, the action and the outcome of an appeals hearing if held. Most of the content of records is made known to the student (and parents of students under 18 years old) in official communications of charges and actions (other data revealed only in a formal appeal hearing as prescribed by due process procedures), to administrative officers on the basis of their need to know and to officers of other institutions on a student consent basis. Information about a serious infraction of the law may be revealed even if records are not. However, such information may be subpoenaed by law. The Vice President of Student Affairs is responsible for maintaining these records. After a period of two (2) years following an action, a student may petition the Vice President for Student Affairs for destruction of his/her file; if not granted, he/she may appeal to the Student Conduct Committee and/or the President. All files are destroyed after five years.

### COUNSELING CASE FILES

Contents of counseling case files may vary and may include notes, diagnostic reports, psychological test data, observations, etc. Counseling case files may be made available to other counselors, psychologists and qualified professional persons on a case consultative basis; referral centers; and a student's own psychologist, physician or other professionals on a student consent basis. The files may be made accessible to administrative personnel charged with the safety of the individual or others. Case files are not accessible to the student. Counseling case files are maintained in the Office of Student Affairs. An appeal may be made to the Vice President for Student Affairs and/or President in special cases.

### FINANCIAL AID CASE FILES

Financial aid case files may include family and student financial data, grants or loans advanced collection history, debts outstanding and personal history and identification. A financial aid file, without family financial data, will be

made available to the student, authorized agents (collectors) of the College, court officials and others in collection procedures, Department of Health, Education and Welfare authorized officials, College officials, researchers and auditors, parents of dependent students (as defined by IRS guidelines) and officials of a granting agency of financial aid accepted by the student. Financial Aid Case files are maintained by the Director of Financial Aid and Vice President for Financial Affairs. Appeals are filed with the Financial Aid Appeal Committee, Director of Financial Aid, Vice President for Student Affairs and President if necessary.

## **INSTRUCTOR GRADE AND ATTENDANCE RECORDS**

Instructors' grade and attendance records will include assignments performed, grades, test scores and grades, project evaluation, class attendance, class participation (if factored in grade), laboratory performance and similar records. Individual attendance records of the student will be made available to the student, deans and administrative officers, faculty advisor(s), parents of dependent students (as defined by the IRS guidelines) or others listed in section I, if a part of filed holdings in the central records office. Grades of other students in the class are not open to inspection by an individual student. The order in which a student may appeal a grade is the instructor, Division Chair, Vice President for Academic Affairs and, in special cases, the Academic Standards Committee and/or President. Ordinarily grade books are temporary records maintained by the instructor.

## **FALSIFICATION OF RECORDS**

Any student who knowingly falsifies, or is a party to the falsification of, any official college record (including such records as enrollment records, ID cards, address or residence, motor vehicle regulations, class excuses, etc.), will be subject to suspension from the College.

## **STUDENTS' RIGHTS TO PRIVACY OF RECORDS-FERPA**

All student records are subject to federal guidelines for student privacy under the FERPA regulations as summarized from the FERPA website below with the institutional name inserted:

*THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA) AFFORD ELIGIBLE STUDENTS CERTAIN RIGHTS WITH RESPECT TO THEIR EDUCATION RECORDS. (AN "ELIGIBLE STUDENT" UNDER FERPA IS A STUDENT WHO IS 18 YEARS OF AGE OR OLDER OR WHO ATTENDS A POSTSECONDARY INSTITUTION.) THESE RIGHTS INCLUDE:*

The right to inspect and review the student's education records within 45 days after the day Northern Oklahoma College receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the school to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the school decides not to amend the record as requested, the school will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The school discloses education records without a student's prior written consent under the FERPA exception for



disclosure to school officials with legitimate educational interests. A school official is a person employed by Northern Oklahoma College in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of Northern Oklahoma College who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Northern Oklahoma College. Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by Northern Oklahoma College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

**Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202**

FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student –

- To other school officials, including teachers, within Northern Oklahoma College whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B) (1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))

- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information the school has designated as “directory information” under §99.37. (§99.31(a)(11)) \*If kept, statistical information not identified with a particular student and directory information shall be open for inspection and copying. The items below are designated as directory information and may be released for any student for any purpose at the discretion of Northern Oklahoma College unless a written request for non-disclosure is on file:  
Category I: Student, address, telephone listing, dates of attendance, classification, NOC email; Category II: Most recent previous institution(s) attended, major field of study, awards, honors, degree(s) conferred; Category III: Past and present participation in officially recognized sports and activities, physical factors of athletes (height and weight), date and place of birth.
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school’s rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))
- To parents of a student regarding the student’s violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

FERPA website: <http://familypolicy.ed.gov/content/model-notifications-rights-under-ferpa-postsecondary-institutions>

## **COPYRIGHT POLICY**

It shall be the policy of Northern Oklahoma College to abide by the provisions of the U.S. Copyright Act of 1976 (Title 17, United States Code) and the college hereby prohibits copying not specifically allowed by the Copyright Act, fair use guidelines, license agreements, or proprietor’s permission. This includes unauthorized distribution of copyrighted material, including unauthorized peer-to-peer file sharing. Such unauthorized activity may lead to civil and criminal liabilities as noted in the penalties section below. Employees and students of the college are expected to, without exception, work within the confines of the law. Penalties and/or liabilities which result due to failure to follow the precepts as outlined in this statement will be borne solely by the violator.

Northern Oklahoma College will not defend students or employees who engage in violations of copyright laws or license agreements, and those who engage in illegal downloading or unauthorized distribution of copyrighted material using school technology or other resources will be subject to disciplinary procedures. For more information on NOC’s Employee Information and Instructional Technology Policy, see the following link:

[https://www.noc.edu/assets/uploads/sites/740/2020/12/IT\\_Policy.pdf](https://www.noc.edu/assets/uploads/sites/740/2020/12/IT_Policy.pdf).

For more information on NOC’s Student Information and Instructional Technology Policy, see the following link:

[https://www.noc.edu/assets/uploads/sites/740/2020/12/Student\\_IT\\_Policy.pdf](https://www.noc.edu/assets/uploads/sites/740/2020/12/Student_IT_Policy.pdf).

Additional information on the State of Oklahoma Information Security Policy, Procedures, and Guidelines can be found at the following link: <https://www.ok.gov/cio/documents/InfoSecPPG.pdf>

All library materials whether physical or virtual have been purchased to aid the student in their research needs. Students may access materials that are physically in the library, including material such as books, journals, magazines and DVD’s. The library also has computer work stations that allow access to the internet and licensed electronic resources. The licensed electronic resources can also be accessed via the library web page by the student using the

student's login information.

#### Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement. Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For "willful" infringement, a court may award up to \$150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. For more information, please see the website of the U.S. Copyright Office at [www.copyright.gov](http://www.copyright.gov).

#### CIRCULATION

In addition to inclusion in the Northern Oklahoma College Employee Handbook and Northern Oklahoma College Course Catalog and Student Handbook, information on the NOC Copyright Policy shall be added to the Consumer Information Notification annually distributed to each employee and student of Northern Oklahoma College via his or her official Northern Oklahoma College email address. The NOC Copyright Policy has been added to the Consumer Information page on the college website at <https://www.noc.edu/about-noc/consumerinformation/>.

## ACADEMIC GUIDELINES

### 2023-2024 ACADEMIC CALENDAR

The official calendar of the College is available on the NOC website at the following link, or by clicking on the “Academics” tab of the home page and then clicking on “Academic Calendar”: <http://www.noc.edu/academic-calendars>

In addition, What’s Happening at NOC provides calendar updates emailed daily by NOC Public Information Office. Students should review the calendar and check emails frequently for any reminders about important enrollment dates.

### STUDENT STATUS AND EVALUATION

#### CLASSIFICATION OF STUDENTS

Classification is determined at the beginning of each semester. The following minimum requirements are used in determining the classification of students:

College Freshman: 30 or fewer semester hours.

College Sophomore: More than 30 semester hours.

Special Student: Any student not pursuing a degree is classified as a special student.

#### STUDENT ACADEMIC ASSESSMENT

The Oklahoma State Regents for Higher Education (OSRHE), in efforts to standardize practices in Oklahoma public colleges and universities, mandated that institutions evaluate their students to see if educational objectives are being met to insure future success. The mandate stipulates that students be assessed in four areas or levels: at entry into college; at mid-level of their educational careers; by academic program; and by student satisfaction.

#### ENTRY-LEVEL EVALUATION

Northern Oklahoma College adheres to the entry-level requirement by evaluating students at entry for placement into either developmental or college-level courses, whichever will lead to the greatest possibility of academic success. Students not meeting state college-preparatory curriculum standards or scoring below the OSRHE established ACT score may challenge their placement by taking secondary placement tests before being enrolled into college-level courses of English, science, math, or those courses with a reading prerequisite.

#### GENERAL EDUCATION

Students who are at mid-level of their academic careers or who have completed 45 semester credit hours must be tested for competencies in skill areas designated by the state regents, including reading, writing, and mathematics. Northern evaluates general education competencies through embedded assessments in required general education courses. Institutional results for general education competencies are found under the “Academic” link on the website at “Academic” link on the website at <http://www.noc.edu/academics>.

#### ACADEMIC PROGRAM

For all academic programs, learner outcomes are also evaluated through embedded assessments in required courses for the program. A review of these and other measures are used to inform recommendations made by program faculty and division chairs for appropriate changes to be made for improvements in instructional methodology.

#### STUDENT SATISFACTION

Student satisfaction surveys are emailed to all students in the spring semester. In addition, in alternate years, Northern Oklahoma College utilizes a CCSSE student engagement survey to determine what high impact practices are being used most commonly in courses. Additionally, alumni are asked to complete surveys within a year of graduation and again after two years of graduation. Data obtained from survey results will be used to assess and to improve upon institutional programs and services. Faculty and administrators at Northern Oklahoma College will

evaluate their institutional assessment studies annually to make improvements in its procedures.

### GRADING SYSTEM

The following grade system is used: A, superior; B, good; C, average; D, passing; F, failure; P, passing; I, incomplete; W, withdrawal. If a student fails to complete a prescribed course by missing an examination, or for some other similar reason, his/her grade in the course may be recorded as an incomplete. If a student withdraws from a class after the add/drop period of the semester, designations indicating withdrawal will be placed on the student record.

Grade-point averages are determined by the total number of grade points earned divided by the total number of semester hours taken. A grade of "A" counts as 4 points; "B" counts as 3 points; "C" counts as 2 points; "D" counts as 1 point; and "F" has no numerical value. In order to graduate, a student must maintain a retention/graduation GPA of 2.0 in all courses. Students are classified for honors by grade-point averages. Non-traditional assignments discussed below are P, I, W, and F.

P (Passing): A "P" indicates satisfactory completion of a non-graded course. It does not affect grade-point average.

I (Incomplete): An "I" may be assigned as a grade to allow the student to complete the course within eight weeks from the final date of the semester in which the course is taken. Guidelines for conditions warranting an "I" include:

- Prolonged illness.
- Personal emergencies preventing completion of final work including examinations.
- Extenuating circumstances that have prevented completion of final papers or projects (e.g. military deployment).

The issuance of an "I" is a decision made by the instructor after conferring with the student. Incomplete course work must be completed within eight weeks unless extreme circumstances exist and are documented by the instructor at the time the Incomplete is given. If the work has not been completed by this time, the "I" may become a permanent grade or the student may be assigned the letter grade earned at the discretion of the instructor.

The following key is listed on the back of all NOC transcripts to further explain the grading system as reflected on the transcript:

### GRADING SYSTEM DESCRIPTION

Quality Points are assigned as follows:

A=4 Superior

B=3 Good

C=2 Average

D=1 Passing

F=0 Failure

P=0 Pass

( ) Course credit not counted in EARNED

# Course forgiven in an academic reprieve

No Quality Points are assigned as follows:

W Withdrawal

AW Administrative Withdrawal

AU Audit

N No Grade

P Advanced Standing/CLEP/Advanced Placement

I Incomplete

% Course forgiven not counted in RET/GRAD

# Course forgiven in an academic reprieve or academic renewal



- [ ] Remedial course counted in NON-DEG only  
 \* Repeat of a course

Students who are doing unsatisfactory work are notified of their deficiencies after mid-semester, and reports are mailed to the student's mailing address. Every student is required to take a final examination or complete a final project in all subjects in which he/she is enrolled, and tests are given at regular intervals in the various subjects to aid in determining student progress. Semester grades are not mailed to each student. To obtain grades, students may access the NOC Website at [www.noc.edu](http://www.noc.edu). On the NOC main menu, students should click on "Students," then click on "Check your grades online" located in the Campus Connect box. Students must then provide their ID number and PIN to obtain semester grades.

## HONOR ROLL CRITERIA

The President's Honor Roll consists of all students who, during the semester, have received an A in all courses attempted, accumulating twelve or more hours during the semester. The Vice President's Honor Roll consists of all students who maintain a B average or above in all courses, accumulating twelve hours or more during the semester. The P grade or 0-level courses are not included in the twelve-hour minimum. The honor roll is published at the close of the semester.

## GRADUATION HONORS

Students who file applications for graduation by no later than April 1 will be listed in the commencement program, along with any of the following honors that apply:

Honors:	Required
Cum Laude (with distinction)	3.25 to 3.49
Magna Cum Laude (with high distinction)	3.50 to 3.74
Summa Cum Laude (with very high distinction)	3.75 to 4.00

## ACADEMIC STANDARDS

### ACADEMIC PROBATION AND ACADEMIC NOTICE

In compliance with policies mandated by the Oklahoma State Regents, Northern Oklahoma College follows the guidelines below for determining what constitutes academic probation and academic notice. The following passage may be found beginning on page 64 of section 3.9.8.A. at this link in the State Regents' Academic Affairs Procedure Manual: <http://www.okhighered.org/state-system/policy-procedures/2011/AA%20Procedures%20Handbook%20December%202011.pdf>

All students must maintain a 2.0 retention/graduation GPA for the duration of the College experience with the exception of freshmen on academic notice and academic probation. A student will be placed on academic probation if the following requirements are not met:

Credit Hours Attempted	Requirement
0 through 30 semester credit hours	1.7
Greater than 30 semester credit hours	2.0

Students with 30 or fewer credit hours, with a GPA of 1.7 to less than 2.0 will be placed on academic notice. All courses in which a student has a recorded grade will be counted in the calculation of the GPA for retention purposes excluding any courses repeated, reprieved or renewed as detailed in the State Regents' Grading policy, remedial/developmental (pre-college) courses, and physical education activity courses.

Any student not maintaining satisfactory progress toward the academic objective as indicated above will be placed on probation for one semester. At the end of that semester, the student must have a semester GPA of 2.0 in regularly-graded course work, not to include activity or performance courses, or meet the minimum GPA standard required above, in order to continue as a student. Students not meeting either of these criteria will be immediately suspended

and may not be reinstated until one regular semester (Fall or Spring) has elapsed.

Note: In the language above, “semester GPA” equates to “Term GPA” as indicated on the transcript.

### **PROCEDURE FOR ACADEMIC SUSPENSION APPEALS**

Any student who is academically suspended from Northern Oklahoma College may appeal the suspension by filing a written petition in the Registrar’s Office. The suspended student must demonstrate the following:

- Reasonable cause as to unusual reasons for failure and/or extraordinary personal circumstances;
- Evidence of capabilities for success (Satisfactory scores obtained on an aptitude or achievement test may be required); and
- An objective plan balancing proposed enrollment, study time, and a work schedule which will insure a plan of success toward obtaining an educational and/or degree goal.

The appeals decision will be made by the chief admissions officer, his/her designee, and/or the Academic and Financial Aids Appeals Committee.

### **ACADEMIC FORGIVENESS PROVISIONS**

Circumstances may justify a student being able to recover from academic problems in ways which do not forever jeopardize his/her academic standing. Northern Oklahoma College utilizes the following forgiveness policies as recommended by the Oklahoma State Regents for Higher Education.

#### **REPEATED COURSES**

A student shall have the prerogative to repeat courses and have only the second grade earned, even if it is lower than the first grade, count in the calculation of the retention/ graduation GPA, up to a maximum of four (4) courses, but not to exceed 18 hours, in the courses in which the original grade earned was a D or F. Students repeating courses above the first four courses or 18 credit hours of Ds or Fs repeated may do so with the original grades and repeated grades averaged.

#### **ACADEMIC REPRIEVE**

A student may request an Academic Reprieve consistent with these guidelines:

- At least three years must have elapsed between the period in which the grades being requested reprieved were earned and the reprieve request.
- Prior to requesting Academic reprieve, the student must have earned a GPA of 2.00 or higher with no grade lower than a C in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses.
- The request may be for one semester or term of enrollment or two consecutive semester or terms of enrollments. If the reprieve is awarded, all grades and hours during the enrollment period are included. If a student’s request is for two consecutive semesters, Northern may choose to reprieve only one semester.
- The student must petition for consideration of Academic Reprieve in writing to the Registrar’s Office; and
- All courses remain on the student’s transcript, but are not calculated in the student’s retention/graduation GPA. Course work with a passing grade included in a reprieved semester may be used to demonstrate competency in the subject matter. However, the course work may not be used to fulfill credit hour requirements.

#### **ACADEMIC RENEWAL**

A student may request an Academic Renewal consistent with these guidelines:

- At least five (5) years must have elapsed between the last semester being renewed and the renewal request.
- Prior to requesting Academic Renewal, the student must have earned a GPA of 2.00 or higher with no grade lower than a C in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses.
- The request will be for all courses completed before the date specified in the request for renewal.
- The student must petition for consideration of Academic Renewal in writing to the Registrar’s Office.

- All courses remain on the student's transcript, but are not calculated in the student's retention/graduation GPA. Neither the content nor credit hours of renewed course work may be used to fulfill any degree or graduation requirements.

### **ACADEMIC APPEALS**

While Northern instructors are expected to be fair in their grading systems and grading practices, occasionally a student may question whether or not he or she has received a proper grade in a course and may question whether there is an error in the recording, averaging or information transfer process. The first step is to go to the instructor personally and request that the grade be checked for error. If there is no error in processing, the student may ask the instructor to explain how the grade was calculated and to reconsider. The student may courteously present his or her rationale as to why he or she believes a different grade would be more fair or appropriate.

After the conference with the instructor, if a student still feels that the grade is unfair, he or she may go to the instructor's Division Chair and present his or her views. The Division Chair will investigate and attempt to adjudicate the situation with an outcome satisfactory to both the student and the instructor. If the issue cannot be satisfactorily resolved by the Division Chair, it may be referred to the Vice President for Academic Affairs, who will ask the student to present his or her appeal in written form. Official academic appeals must be submitted in writing from the student to the Vice President of Academic Affairs no later than one month following the date the final grade is recorded for the semester in question.

The written appeal will be reviewed by the Vice President for Academic Affairs. If the appeal is determined to have validity, the Vice President will call an advisory or hearing committee including professional staff and one student to consider the matter. Upon receiving the advice and counsel of the group, the Vice President may or may not direct the Registrar to change the grade. In either case, the Vice President will report the findings of the appeal to the student in writing.

## **CLASSROOM POLICIES**

### **INSTITUTIONAL MINIMUM ATTENDANCE POLICY**

Instructors may be authorized by the Office of Academic Affairs to administratively withdraw any student who does not attend a single class within the first two weeks of the semester or who does not attend at least 75% of instructional time within weeks 3-12. Instructors may also establish a more stringent attendance policy that will preempt the minimum of 75% if it is included in the class syllabus; however, students, not instructors, are responsible for safeguarding their transcripts by dropping classes they are no longer attending or withdrawing from the College if needed.

### **USE OF CELLULAR TELEPHONES & ELECTRONIC DEVICES**

The use of cell phones, smart watches, walkie-talkies, pagers, cameras or other electronic communication devices will not be permitted while classes are meeting. Because of safe-campus policies and the text messaging system, cell phones may be allowed by the instructor to be set to “silent” or “vibrate” and used only for emergencies so that the emergency text alert system can be employed if needed. (Alternately, instructors may indicate that they will have a cell phone accessible for any text messaging alerts so that they can require students to have phones turned off and put away.) In the event a student is caught using an electronic device of any nature during exams, quizzes or other confidential circumstances, the student will receive a zero grade for that portion of the coursework and will be subject to other penalties for academic dishonesty depending upon the nature of the offense.

### **ACADEMIC INTEGRITY**

Northern Oklahoma College’s Academic Integrity Oath (see below) is referenced in every syllabus and is posted on the website under the “Academic” link:

Academic Integrity is valued at Northern Oklahoma College as an integral part of the learning process. It is a measure of individual development pertinent to the goals and purposes of education. Academic dishonesty or misconduct is not tolerated at Northern Oklahoma College. Whether in the form of plagiarism or cheating, it is a serious matter that can result in expulsion from the institution. Representing someone else’s ideas as one’s own or using unauthorized notes, aids or other means to improve scores on an assignment, a project, or an exam will result in disciplinary action.

### **THE FOLLOWING WILL APPLY IN CONNECTION WITH ACADEMIC DISHONESTY**

- Any student who illegally obtains possession of or access to a copy of an examination before the examination is given is subject to suspension from the College.
- The instructor and his/her academic superiors have final authority over the lowering of grades because of cheating or plagiarism.
- If it is established that a preponderance of evidence supports that cheating or plagiarism has occurred:
- The instructor may take appropriate disciplinary action, which may include the awarding of an “F” on the particular assignment or in the course.
- The instructor may make a report of the incident and of action taken, if any, to his/her own division head and then to the Vice President for Academic Affairs.
- If the academic dishonesty is considered of a serious enough nature to merit such action, the Vice President for Academic Affairs may recommend suspension or expulsion. Should this decision be made, the student will be notified in writing and made aware of his/her right to appeal the decision through the Student Conduct Committee.

- Students wishing to appeal a decision of suspension or expulsion must contact the Office of Student Affairs within two (2) weeks of receiving notification and request a hearing with the Student Conduct Committee. After the hearing, this Committee will make a final recommendation to the President, and after reviewing the decision, the President will make the final decision.
- If the offender is not enrolled in the course, b.1 may be omitted.
- If cheating or plagiarism is suspected but not established beyond a preponderance of doubt, the instructor may require the student to take another examination or submit another paper



## **STUDENT EXPENSES, FINANCIAL AID, AND SCHOLARSHIPS**

### **EXPENSES**

Tuition and fees at all institutions of higher education in Oklahoma are approved by the Oklahoma State Regents for Higher Education and are subject to change without notice. In the event that a tuition increase is approved, students will be assessed the additional amount and be given the option of making payment or making a complete withdrawal with a 100% refund (if applicable). The deadline for withdrawal is 5:00 p.m. Friday of the second week of the semester, except in summer. For a complete list of tuition and fees, please contact the Office of Financial Affairs and/or refer to the cost matrix on the following page of the catalog. Check after July 1 for current year expenses.

### **AUDITORS**

A regularly enrolled student may enroll as an auditor in any class at the time of enrollment. Although no credit will be registered for auditors, audit enrollment will show on the student record. The regular fees for the courses will be charged in each instance. Any student enrolled as an auditor is expected to maintain regular class attendance in the course.

### **ENROLLMENT BILLING**

Students will be billed for preliminary tuition and fees prior to the beginning of the semester. Statements are available for viewing online at myNOC. For tuition and fees due dates and information about payment and payment options, please visit the NOC Bursar website at: [www.noc.edu/bursar](http://www.noc.edu/bursar).

### **HOUSING AND FOOD SERVICES**

Comfortable and convenient living quarters are available on campus: Easterling and Threlkeld Halls for women; and Markley, Bush-Duvall, and Boehme Halls for men on the Tonkawa campus and one wing each for women and men in EB Hall, Lankard Hall for women, and Elliott-Goulter Apartments on the Enid campus. In 2016, new residence halls opened—Mavericks Hall in Tonkawa and Jets Hall in Enid, both offering wings for men and women residents. A residence hall application must be completed and returned, along with a room deposit, to the Office of Student Affairs. Room assignments are made in the Office of Student Affairs. The room deposit is non-refundable. Students in the NOC/OSU Gateway Program are eligible to reside in OSU housing when space is available. All NOC students, unless 21 years of age or married, are required to live in college housing. Students are not bound by this rule if they are commuting from their parents' or guardians' home. Food services are catered in the Maverick Cafeteria at Tonkawa and in the Jets Cafeteria at Enid. All students living in a residence hall must purchase a 200 block or 250 block meal plan. Students who do not live in the residence halls may purchase meals in the cafeteria on a cash basis daily or pre-purchase meals with a punch-card ticket.

### **FEE PAYMENT**

The total tuition and fees for which the student is responsible will be calculated based on the number of enrolled credit hours at the end of the Drop Period. A student who drops a class after this date must still pay full tuition and fees for the course. The College tuition and fee schedule is authorized by the Oklahoma Legislature and implemented by the policy of The Oklahoma State Regents for Higher Education. The college will accept cash, check or payment by debit card with PIN number, or online with Discover, VISA, or MasterCard for tuition and fee payment. For payment plan options, the College offers an interest-free monthly payment plan. For information on payment deadlines or full online payment or payment plans please visit the NOC payment plan website at: [www.mycollegepaymentplan.com/noc](http://www.mycollegepaymentplan.com/noc).

*Students are expected to make satisfactory arrangements for the prompt settling of accounts. Failure to do so by the due date may result in a late payment penalty. Continued failure to settle the College account will result in either the cancellation of the student's enrollment or the placing of a "hold" on the student's official records. If placing a "hold" on*

the student's records become necessary, the student may not re-enroll, receive a diploma or obtain a transcript until he/she has (1) cleared the account and (2) paid a service charge to cover the administrative expenses involved in placing the "hold" on his/her record. Northern Oklahoma College is compliant with PL 115-407, in regards to the Veterans Benefits and Transition Act of 2018. Public Law 115-407 states that VA beneficiaries (using Chapter 33 and Chapter 31 VA benefits) will not be penalized in any way (to include late fees) due to delayed VA payments. Northern Oklahoma College is in compliance with 38 USC 3679(c) and will charge in-state tuition to any covered individual (those using VA education benefits under CH 30, 31, 33 or 35) living in the state where the institution is located regardless of their home of record.

All students should verify tuition and fees after July 1 of each year to ensure the most current rates have posted. For the 2023-2024 academic year, the following tuition rates and fees will apply:

## 2023-2024 COST COMPARISON

### RESIDENT TUITION & FEES

Cost per credit hour\*

<b>Tonkawa Campus</b>	<b>Enid Campus</b>	<b>Live Online/Other Location</b>
Tuition \$122.70 per hour	Tuition \$122.70 per hour	Tuition \$122.70 per hour
Fees \$46.00 per hour	Fees \$59.00 per hour	Fees \$65.00 per hour
<b>Total \$168.70 per hour</b>	<b>Total \$181.70 per hour</b>	<b>Total \$187.70 per hour</b>
<b>University Center-Ponca City</b>	<b>Online Courses</b>	<b>NOC/OSU Gateway</b>
Tuition \$122.70 per hour	Tuition \$122.70 per hour	Tuition \$180.55 per hour
Fees \$92.83 per hour	Fees \$105.20 per hour	Fees \$258.55 per hour
<b>Total \$215.53 per hour</b>	<b>Total \$227.90 per hour</b>	<b>Total \$439.10 per hour</b>

## 2023-2024 COST COMPARISON

### NON-RESIDENT TUITION & FEES

Cost per credit hour\*

<b>Tonkawa Campus</b>	<b>Enid Campus</b>	<b>Live Online/Other Location</b>
Tuition \$348.20 per hour	Tuition \$348.20 per hour	Tuition \$348.20 per hour
Fees \$46.00 per hour	Fees \$59.00 per hour	Fees \$65.00 per hour
<b>Total \$394.20 per hour</b>	<b>Total \$407.20 per hour</b>	<b>Total \$413.20 per hour</b>
<b>University Center-Ponca</b>	<b>Online Courses</b>	<b>NOC/OSU Gateway</b>
Tuition \$348.20 per hour	Tuition \$348.20 per hour	Tuition \$697.90 per hour
Fees \$92.83 per hour	Fees \$105.20 per hour	Fees \$258.55 per hour
<b>Total \$441.03 per hour</b>	<b>Total \$453.40 per hour</b>	<b>Total \$956.45 per hour</b>

\*Additional class fees or program fees are not included in the charts above but are listed on the following pages.

## NORTHERN OKLAHOMA COLLEGE TUITION & FEES FOR 2023-2024

### TONKAWA CAMPUS

Resident Tuition	\$122.70 per credit hour
Student Activity Fee	\$19.00 per credit hour

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Student Technology Services Fee	\$3.00	per credit hour
Student Union Fee	\$3.00	per credit hour
Campus Renovation Fee	\$5.00	per credit hour
Library Resources Fee	\$1.00	per credit hour
Assessment Fee	\$2.00	per credit hour
Student Safety, Health, & Wellness Fee	\$3.05	per credit hour
Student Government Fee	\$0.15	per credit hour
I.D. Fee	\$0.80	per credit hour
Records Management Fee	\$5.00	per credit hour
Student Accident Shield Fee	\$4.00	per credit hour
<b>Total Resident Tuition &amp; Fees</b>	<b>\$168.70</b>	<b>per credit hour</b>
<i>Nonresident Tuition</i>	\$225.50	per credit hour
<b>Total Nonresident Tuition &amp; Fees</b>	<b>\$394.20</b>	<b>per credit hour</b>

**ENID CAMPUS**

<i>Resident Tuition</i>	\$122.70	per credit hour
Student Activity Fee	\$19.00	per credit hour
Student Technology Services Fee	\$3.00	per credit hour
Student Union Fee	\$3.00	per credit hour
Campus Renovation Fee	\$5.00	per credit hour
Library Resources Fee	\$1.00	per credit hour
Enid Campus Fee	\$13.00	per credit hour
Assessment Fee	\$2.00	per credit hour
Student Safety, Health, & Wellness Fee	\$3.05	per credit hour
Student Government Fee	\$0.15	per credit hour
I.D. Fee	\$0.80	per credit hour
Records Management Fee	\$5.00	per credit hour
Student Accident Shield Fee	\$4.00	per credit hour
<b>Total Resident Tuition &amp; Fees</b>	<b>\$181.70</b>	<b>per credit hour</b>
<i>Nonresident Tuition</i>	\$225.50	per credit hour
<b>Total Nonresident Tuition &amp; Fees</b>	<b>\$407.20</b>	<b>per credit hour</b>

**NORTHERN OKLAHOMA COLLEGE**  
**TUITION AND FEES FOR 2023-2024**  
**NOC/OSU GATEWAY PROGRAM -STILLWATER**

<i>Resident Tuition</i>	\$180.55	per credit hour
Student Technology Services Fee	\$10.00	per credit hour
Information Technology Infrastructure Fee	\$5.00	per credit hour

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Academic Records Fee	\$4.35	per credit hour
Advising & Assessment Fee	\$10.85	per credit hour
Student Facility Fee #1	\$5.95	per credit hour
Academic Facilities	\$25.70	per credit hour
Academic Excellence Fee #1	\$9.75	per credit hour
Academic Excellence Fee #2	\$5.75	per credit hour
Student Activity Fee	\$2.50	per credit hour
Student Activity Fee - Athletic	\$5.50	per credit hour
Student Facility Fee #2 - Campus Recreation	\$3.00	per credit hour
Student Health Fee	\$6.00	per credit hour
Parking and/or Transit Fee	\$2.50	per credit hour
Student Newspaper Fee	\$0.30	per credit hour
Student Technology Service Fee - General	\$8.20	per credit hour
Library Automation & Technology Fee	\$17.70	per credit hour
Student Development Fee	\$2.90	per credit hour
OSU Student Union Fee	\$5.15	per credit hour
Life, Safety, & Security Fee	\$6.45	per credit hour
Academic Excellence Program Fee	\$88.00	per credit hour
Student Success Fee	\$13.00	per credit hour
Campus Infrastructure Fee	\$20.00	per credit hour
<b>Total Resident Tuition &amp; Fees</b>	<b>\$439.10</b>	<b>per credit hour</b>
<i>Nonresident Tuition</i>	<i>\$517.35</i>	<i>per credit hour</i>
<b>Total Nonresident Tuition &amp; Fees</b>	<b>\$956.45</b>	<b>per credit hour</b>

## NORTHERN OKLAHOMA COLLEGE COLLEGE TUITION AND FEES FOR

### 2023-2024 ONLINE CLASSES

Resident Tuition	\$122.70	per hour
Online Class Fee	\$105.20	per hour
<b>Total Tuition &amp; Fees</b>	<b>\$227.90</b>	<b>per hour</b>
Nonresident Tuition	\$225.50	per hour
<b>Total Nonresident Tuition &amp; Fees</b>	<b>\$453.40</b>	<b>per hour</b>

### LIVE ONLINE, OFF-SITE CONCURRENT AND EDUCATION CENTERS

Resident Tuition	\$122.70	per hour
Online Class Fee	\$65.00	per hour
<b>Total Resident Tuition &amp; Fees</b>	<b>\$187.70</b>	<b>per hour</b>

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Nonresident Tuition	\$225.50 per hour
<b>Total Nonresident Tuition &amp; Fees</b>	<b>\$413.20 per hour</b>

#### University Center at Ponca City

Resident Tuition	\$122.70 per hour
UC Facility Fee	\$27.83 per hour
Course Delivery Fee	\$65.00 per hour
<b>Total Resident Tuition &amp; Fees</b>	<b>\$215.53 per hour</b>
Nonresident Tuition	\$225.50 per hour
<b>Total Nonresident Tuition &amp; Fees</b>	<b>\$441.03 per hour</b>

<b>OTHER FEES</b>	Frequency	Fall 2023	Spring 2024
NOC/OSU I.D. Fee	One Time Fee	\$17.00	\$17.00
UC Security/Badge Fee	Per Semester	\$20.00	\$20.00
Remedial Fee-Tonkawa & Enid	Per Credit Hour	\$13.00	\$13.00
Remedial Fee-NOC/OSU Gateway	Per Credit Hour	\$24.00	\$24.00
Corequisite Lab Fee	Per Credit Hour	\$25.00	\$25.00
International Student Maintenance Fee	Per Semester	\$50.00	\$50.00
Government Sponsored Student Program	Per Semester	\$500.00	\$500.00

## CLASS/LAB FEES TONKAWA

### 4-Letter Course

Code	Course Title	Frequency of Fee	Fall 2023	Spring 2024
ACCT	Accounting II 2203 (including Online Classes)	Per Course	\$20.00	\$20.00
AGRI	Introduction to Plant Science Lab	Per Course	\$40.00	\$40.00
	Introduction to Soil Science Lab	Per Course	\$40.00	\$40.00
ARTS	Ceramics I & II & III	Per Course	\$70.00	\$70.00
	Drawing I & II	Per Course	\$70.00	\$70.00
	Fundamentals of Two-Dimensional Art	Per Course	\$70.00	\$70.00
	Fundamentals of Three-Dimensional Art	Per Course	\$70.00	\$70.00
	Painting I & II	Per Course	\$70.00	\$70.00
BIOL	Science Labs	Per Course	\$40.00	\$40.00
CHDV	Child Development	Per Course	\$15.00	\$15.00
CHEM	Science Labs	Per Course	\$40.00	\$40.00
DMAD	Freshman Classes	Per Course	\$100.00	\$100.00
	Sophomore Classes	Per Course	\$75.00	\$75.00



ENGL	Honors English-Background Testing	Per Course	\$20.00	\$20.00
ENGR	Engineering Mechanics I	Per Course	\$45.00	\$45.00
ESCI	Science Labs	Per Course	\$40.00	\$40.00
HPEA	Beginning Golf	Per Course	\$30.00	\$30.00
	Outdoor Recreation	Per Course	\$30.00	\$30.00
	First Aid Course	Per Course	\$45.00	\$45.00
HPET	Athletic Training Practicum I	Per Course	\$15.00	\$15.00
	Athletic Training Practicum II	Per Course	\$15.00	\$15.00
	Intro to Personal Training II	Per Course	\$199.00	\$199.00
MUSC	College Choir/ Madrigals Ensemble Fee	Per Course	\$160.00	\$160.00
	Private Lessons	Per Credit Hour	\$130.00	\$130.00
	Semi Private Lessons	Per Credit Hour	\$75.00	\$75.00
	Piano I & II	Per Credit Hour	\$60.00	\$60.00
NURS	Fundamentals of Nursing-Freshman	Per Course	\$150.00	\$150.00
	Test Taking Success Workshop	Per Course	\$97.00	\$97.00
	HESI with Review	Per Course	\$340.00	\$340.00
	Adult I-Freshman-Skills Lab	Per Course	\$150.00	\$150.00
	Nursing Supply Kit-Freshman	Per Course	\$150.00	\$150.00
	Maternal Child-Sophomore	Per Course	\$100.00	\$100.00
	Nursing Supply Kit-Sophomore	Per Course	\$100.00	\$100.00
	Adult II-Sophomore-Skills Lab	Per Course	\$100.00	\$100.00
	Name Tag Fee	Per Course	\$3.00	\$3.00
	Liability Insurance Fee	Per Course	\$15.00	\$15.00
	Background Testing Fee	Per Course	\$150.00	\$150.00
PHSC	Science Labs	Per Course	\$40.00	\$40.00
PHYS	Science Labs	Per Course	\$45.00	\$45.00
WIND	Wind Energy Fee	Per Course	\$50.00	\$50.00

## CLASS/LAB FEES ENID

4-Letter Course				
Code	Course Title	Frequency of Fee	Fall 2022	Spring 2023
ACCT	Accounting II 2203 (including Online Classes)	Per Course	\$20.00	\$20.00
ARTS	Drawing I & II	Per Course	\$70.00	\$70.00
	Painting I & II	Per Course	\$70.00	\$70.00
ASTR	Science Labs	Per Course	\$40.00	\$40.00
BIOL	Science Labs	Per Course	\$40.00	\$40.00
CHDV	All Child Development	Per Course	\$15.00	\$15.00

CHEM	Science Labs	Per Course	\$40.00	\$40.00
ENGR	Engineering Mechanics I	Per Course	\$45.00	\$45.00
ESCI	Science Labs	Per Course	\$40.00	\$40.00
HPEA	Cardio	Per Course	\$50.00	\$50.00
	First Aid Course	Per Course	\$40.00	\$40.00
HPET	Athletic Training Practicum I	Per Course	\$15.00	\$15.00
	Athletic Training Practicum II	Per Course	\$15.00	\$15.00
	Intro to Personal Training II	Per Course	\$199.00	\$199.00
MUSC	Private Lessons	Per Credit Hour	\$130.00	\$130.00
	Semi Private Lessons	Per Credit Hour	\$75.00	\$75.00
NURS	Fundamentals of Nursing-Freshman	Per Course	\$150.00	\$150.00
	Test Taking Success Workshop	Per Course	\$97.00	\$97.00
	HESI with Review	Per Course	\$340.00	\$340.00
	Adult I-Freshman-Skills Lab	Per Course	\$150.00	\$150.00
	Nursing Supply Kit-Freshman	Per Course	\$150.00	\$150.00
	Maternal Child-Sophomore	Per Course	\$100.00	\$100.00
	Adult II-Sophomore-Skills Lab	Per Course	\$100.00	\$100.00
	Nursing Supply Kit-Sophomore	Per Course	\$100.00	\$100.00
	Liability Insurance Fee	Per Course	\$15.00	\$15.00
	Name Tag Fee	Per Course	\$3.00	\$3.00
	Background Testing Fee	Per Course	\$150.00	\$150.00
PHSC	Science Labs	Per Course	\$40.00	\$40.00
PHYS	Science Labs	Per Course	\$45.00	\$45.00

## FINANCIAL AID

Northern requires financial aid and scholarship applicants to submit the Free Application for Federal Student Aid (FAFSA). Students may access the application on the FAFSA website at: [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Application worksheets for financial aid can be secured through the Financial Aid Offices on all campuses. Students may also be requested to submit a federal tax return transcript and verification of untaxed income sources. A package or combination of various financial aid programs can often be secured to meet the needs of the individual student in order that he/she may attend college. Those programs are listed below. Note: The following federal and state programs are subject to continuous change.

Federal Programs

## PELL GRANT

The Pell Grant Award is a grant and, unlike a loan, does not have to be repaid. Pell Grants may range from \$650 to \$6495 per year. Amounts are determined each year by the U.S. Department of Education.

## FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT

A limited number of Supplemental Educational Opportunity Grants have been made available by the Higher Education Act of 1965. These grants are awarded through institutions of higher education to qualified students of exceptional financial need who would not be able to attend college without such aid because of lack of financial means of their own or of their

families. Grants are combined with other types of financial aid to the extent necessary to enable the student to meet his/her educational expenses.

## **FEDERAL WORK-STUDY PROGRAM**

Northern Oklahoma College participates in the federal college work-study program. One of the basic conditions of student eligibility for this program is that the student show demonstrated financial need as determined by the FAFSA information. He/she must be at least a half-time student and be in good standing. A number of student jobs are available. Some community service jobs such as tutoring elementary students are available. Students who may be eligible are urged to contact the Financial Aid Office. The Office of Student Affairs is responsible for job placement.

## **FEDERAL DIRECT LOANS**

Under this program a student may borrow funds from the U.S. Department of Education. These loans are either Subsidized (interest paid by federal government while the student is enrolled) or Unsubsidized. Under the Subsidized Direct Loan program a dependent freshman student may borrow as much as \$3500 per year. Sophomores may borrow \$4500. In addition, dependent students may borrow up to \$2000 more and independent students may borrow up to \$6000 more under the Unsubsidized Direct Loan program. Interest rates are variable and capped at 8.25 percent. Repayment begins six months after the student has terminated his or her course of study. A half-time student enrolled in six (6) or more credit hours may qualify for this program. Parents may borrow Direct Plus Loans on behalf of their dependent children.

## **VOCATIONAL REHABILITATION SCHOLARSHIP**

The State Board of Education through the Vocational Rehabilitation Division offers payment of tuition and other services to students who have substantial employment handicaps, provided the vocational objective selected by the student has been approved by a representative of the division. Applications for Vocational Rehabilitation from this area should be made to the Vocational Rehabilitation Office through the local Department of Human Services.

## **OKLAHOMA TUITION AND GRANT PROGRAM**

The OTAG Program is operated by the Oklahoma State Regents for Higher Education. The allocation for the 2022-2023 award year is \$368,900. Students must have filed a 2022-2023 FAFSA, be an Oklahoma resident and be Pell eligible. The grant awards can range from \$200 up to \$1,500.00 based on unmet financial need and enrollment status.

## **BUREAU OF INDIAN AFFAIRS**

The Bureau of Indian Affairs (B.I.A.) administers a scholarship grant program to Native Americans whose tribal membership records are maintained. Recipients must have a certificate of degree of Indian blood and have membership in a tribal group served by the BIA. The grants are made for educational purposes. Both financial need and scholastic ability are considered in determining eligibility. To apply for a college grant, one should contact the specific tribal higher education office.

## **OTHER AWARDS**

Other awards are available through:

- War Orphans Education Assistance
- Social Security Benefits
- Veteran Aid

A booklet containing current information about student rights and privileges in the student financial aid area is available from the Office of Financial Aid in the Vineyard Library-Administration Building on the Tonkawa campus, the Everest Administration Building on the Enid campus, and in the Administration area of the NOC/OSU Gateway Program on the

Stillwater campus. Information includes types of financial help and how to obtain that help. The booklet also provides information on applying for and maintaining financial aid, and appealing decisions made in this area. This information is also available in the NOC Student Handbook, posted online at <http://northok.publishpath.com/student-handbook>.

### INSTITUTIONAL/PRIVATE SCHOLARSHIPS

A Northern Oklahoma College education is an excellent investment in your future. The faculty and staff are here to help you understand the various financial aid and scholarship programs that are available and to work individually with those who face financial difficulty during their time at Northern. Overall, sixty-five percent (65%) of our students receive some type of financial assistance – which includes state, federal and college grants and awards. We are committed to providing the highest level of support to our students possible.

The Northern Oklahoma College institutional scholarship program is divided into two areas: 50% merit-based and 50% need-based. Merit-based scholarship awards recognize and reward excellence to students who have demonstrated exceptional academic achievement or who have demonstrated talent in a participation program, i.e., athletics, fine arts, agriculture/livestock judging and journalism. The following scholarships are funded by the Oklahoma State Regents for Higher Education, the generosity of the Northern Oklahoma College faculty, staff, alumni and friends, local businesses and civic organizations, and by the Northern Oklahoma College Foundation. These awards are offered each year to qualified students whose participation, academic achievement, and/or leadership efforts merit recognition. For more information about scholarships, scholarship checklist, dates and deadlines, please contact the Institutional Scholarship Office at 580.628.6760, email address: [scholarships@noc.edu](mailto:scholarships@noc.edu) or visit our “Scholarships” website at [www.noc.edu/scholarships](http://www.noc.edu/scholarships).

*Northern Oklahoma College does not discriminate on the basis of race, color, national origin, sex/gender, age, religion, political beliefs or disability in admission to its programs, services or activities, in access to them, in treatment of individuals or in any aspect of their operations. Northern Oklahoma College also does not discriminate in its hiring or employment practices. This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975 and the Americans with Disabilities Act of 1990. Questions, complaints or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator: Jason Johnson, Vice President for Student Affairs, 1220 East Grand Avenue, PO Box 310, Tonkawa, OK 74653-0310; telephone 580.628.6240 8 a.m. to 5 p.m. Monday through Friday.*

#### Scholarship Policy and Procedures:

- Not every scholarship is available for award every year. Funding determines availability.
- While every effort is taken to ensure that the correct information is presented, current NOC policy, State Regents' policy, NOC Foundation policy, state and federal laws, and/or the intent of the donor who established a Foundation scholarship program (as applicable) will override any outdated or erroneous information listed here.
- To be considered for scholarships, applicants are required to complete the Free Application for Federal Financial Aid (FAFSA) at the FAFSA website: [www.studentaid.gov](http://www.studentaid.gov). (Northern's Title IV Institutional Code is 003162) within 30 days of accepting a scholarship award. Failure to do so may result in the scholarship being revoked. NOTE: All financial aid will be the primary source of funding education. Best consideration date for financial aid is December 1.
- **PRIORITY DEADLINE.** Applicants applying for the Presidential Leadership Scholarship, the NOC/OSU Gateway Ambassadors Scholarship or the State Regents Academic Scholarship must submit an application by February 20. Priority deadline for all other scholarships is February 20 with scholarships awarded to qualified applicants on a first- come, first-serve basis until August 25. For new or transfer students, the spring deadline is January 25.
- To be considered for scholarships, applicants must complete the Institutional Scholarship Application Form at [www.noc.edu/scholarships](http://www.noc.edu/scholarships) along with any required additional documentation and submit to the Scholarship Office by the

stated deadline each year.

- The scholarship committees on each campus shall determine the recipients for the scholarship awards. The Institutional Scholarship Office shall administer the scholarship awards.
- Priority will be given to applicants who are an Oklahoma resident, United States citizen or permanent resident.
- Students on institutional academic achievement scholarships, i.e., PLC, academic, valedictorian/salutatorian, freshman/sophomore regents, etc. must be an Oklahoma resident and enrolled full-time.
- To align with Complete College America and the 15 to Finish model, students are encouraged to take 15 credit hours each semester/30 hours per year to graduate on time and start earning faster.
- Maximum institutional scholarships may not exceed five (5) full-time academic semesters. This does not include summer courses.
- To be considered for scholarships, applicants must adhere to the institutional academic standards policies, drug and alcohol policies, student conduct policies, and participation agreements. Failure to comply may result in removal of scholarship award.
- Scholarship funds will be applied for fall and spring semesters unless otherwise stated. Students who have a remaining scholarship balance within the current academic year and have maintained scholarship retention criteria may use their remaining balance during the summer semester.
- All students must reapply each academic year. A complete list of scholarships with criteria is available at [www.noc.edu/scholarships](http://www.noc.edu/scholarships).
- Any student whose scholarship award has been removed from Northern Oklahoma College may appeal the removal by filling out the Scholarship Appeal Form and submitting it along with supporting documentation to the Scholarship Office.
- Variation from any scholarship policies or procedures requires an appeal to the Scholarship Appeals Board. This subcommittee acts as a hearing body on scholarship appeals for students or programs that are not in compliance with the institutional policies affecting their scholarship awards. Members shall consist of the Vice President for Development and Community Relations, Vice President for Financial Affairs, Vice President for Student Affairs, and the Scholarship Coordinator. The Appeals Board will evaluate information related to each appeal and solicit any additional documentation from the appropriate department/program representative and/or campus scholarship committee chair when necessary. Final decisions shall be submitted in writing to the President for approval.
- Scholarship appeals are limited to one year from the start of the semester last enrolled.
- Recipients of participation scholarships are required to reside in campus housing in accordance with the Statement of College Housing Policy outlined in the NOC Course Catalog and Student Handbook available at [www.noc.edu/course-catalog-student-handbook](http://www.noc.edu/course-catalog-student-handbook).
- Showing gratitude is an essential part of receiving a private scholarship. It is important that recipients thank our donors. Upon accepting your private scholarship from the NOC Foundation, students are asked to acknowledge it with a thank you letter submitted to the Institutional Scholarship Office. The NOC Foundation hosts various events to connect scholarship recipients with donors. It is expected that recipients will attend these events.

#### **ADMINISTRATION OF SCHOLARSHIP AWARDS:**

- Financial Aid: As a condition of this award, the student agrees to apply for federal financial aid within 30 days of signing this form at the FAFSA website: [www.studentaid.gov](http://www.studentaid.gov). Failure to apply within 30 days could lead to the loss of this scholarship. State and federal financial aid grants will be the primary source of funding education.
- Scholarship awards will be reviewed after the Financial Aid Office has determined the student's Cost of Attendance\* budget. If a student receives state and federal financial aid grants, i.e., Pell, SEOG, OTEG, OHLAP, etc., his or her scholarship award will be applied secondary and cannot exceed \$1,000 of the actual student bill for the current semester. Scholarships sent to the College from outside sources will be refunded up to, but not to exceed the Cost



of Attendance budget. Loans will be reduced before any other aid sources.

- Participation sponsors must collaborate with the Scholarship Office prior to making awards to students to assure maximization of resources and to avoid over-award situations resulting in post-notification adjustments. This guideline is intended to maximize the use of all college resources for scholarship and grants, as well as to assure clear and accurate communication with students.

\*Cost of Attendance means the aggregate cost to a student to enroll in a degree program, including tuition, the cost of books, fees, and other related educational expenses, as well as the cost of on- or off-campus room and board. See current tuition costs at the website link <http://www.noc.edu/tuition>.

## DEGREE OPTIONS/GENERAL EDUCATION REQUIREMENTS

Northern Oklahoma College's curricula are organized into three general areas: the Arts, the Sciences, and the Applied Sciences. Many of the programs in each area are designed to lead the student toward an associate degree while fulfilling the lower-division course work which is applicable toward a bachelor's degree.

### DEGREE OPTIONS PHILOSOPHY

The Associate in Arts and the Associate in Science degrees include programs which constitute the first two years of traditional baccalaureate degree programs. The general education requirements for these degrees are explained below. These requirements are in broad fields, and several different courses within each field will satisfy the requirements. Following the explanation of general education is a listing of the program requirements leading to the degree and a suggested course sequence. The philosophy of the Arts and Sciences is reflected in their curricula which are organized and structured to provide the essential post-high school education needed to better prepare the student to function in society. The course sequences are structured to allow a student to sample different areas of knowledge for a general education and to explore more deeply a single academic discipline.

The Associate in Applied Science degree includes programs that are designed to prepare a student for employment upon completion of the degree requirements. Applied science programs have some courses that simultaneously meet both traditional goals and new career goals. All of the courses are college courses and the general education courses, as well as many program courses, will transfer to other colleges should the student decide to change his/her objective and pursue a bachelor's degree. However, many of the individual courses in the career-oriented programs are specially designed to meet occupational goals. While these courses are transferable, they may be considered elective courses by the receiving institution. The philosophy of the Applied Sciences is (1) practical, in the sense that a student is immediately employable upon completion of his/her course work; and (2) fundamental, in that a student has an understanding of the basic concepts of his/her field, enabling the graduate to grow in the chosen profession.

In the Arts and Sciences areas, pre-professional patterns are designed to prepare the student for more advanced work at the four-year college or university. Programs in occupational fields lead to degrees in Associate in Applied Science. These occupational programs are designed to prepare a student for immediate employment upon completion of his/her course work. The majority of these programs lead toward an associate degree upon successful completion of the requirements.

### CURRENT DEGREE PROGRAMS

Listed below by area and discipline are the current degree programs offered at Northern Oklahoma College:

#### **ASSOCIATE IN ARTS DEGREES**

- Art
- Child Development
- Communications--Mass Communications Option
- Criminal Justice Administration
- Education—Elementary Option
- English
- Music
- Music—Music Theatre Option
- Social Science
- Social Science—Behavioral Science Option

#### **ASSOCIATE IN SCIENCE DEGREES**

Agricultural Sciences  
Agricultural Sciences—Agriculture Business Option  
Agricultural Sciences—Agriculture Communication Option  
Agricultural Sciences—Plant and Soil Science Option  
Agricultural Sciences—Pre-Vet Option  
Arts and Sciences—General Studies  
Arts and Sciences—International Studies Option  
Biological Sciences  
Biological Sciences—Pre-Medicine Option  
Biological Sciences—Pre-Pharmacy Option  
Business Administration  
Business Administration—International Business Option  
Business Administration—Management Information Systems Option  
Computer Science, Pre-Professional  
Enterprise Development—Business Administration Option  
Enterprise Development—General Studies Option  
Health, Physical Education, & Recreation  
Health, Physical Education, & Recreation—Athletic Training Option  
Health, Physical Education, & Recreation—Personal Trainer Option  
Mathematics and Physical Science  
Mathematics and Physical Science—Astronomy Option  
Mathematics and Physical Science—Chemistry/Physics Option  
Mathematics and Physical Science—Mathematics Option  
Mathematics and Physical Science--Mathematics Technology Option  
Mathematics and Physical Science--Meteorology Option  
Mathematics and Physical Science—Pre-Engineering Option  
Nursing, Pre-Professional, Pre-Baccalaureate

**ASSOCIATES IN APPLIED SCIENCE DEGREES**

Applied Technology—Industry Certifications Option  
Applied Technology—Military Services Option  
Business Management  
Business Management—Accounting Option  
Business Management—Entrepreneurship Option  
Business Management—Hospitality Option  
Digital Media Animation and Design (DMAD)  
Electronics Technology--Wind Energy Option  
Engineering and Industrial Technology—Power Generation Option  
Engineering and Industrial Technology—Process Technology Option  
Nursing—Registered Nurse (RN) Option  
Office Management  
Respiratory Care

**SEE CERTIFICATES OFFERED ON FOLLOWING PAGE:**

## CERTIFICATES

Certificate in Administration and Management of Child Care Programs

Certificate of Mastery in Child Development

Certificate in Practical Nursing

Note: In some instances, students may earn credit through Prior Learning Assessments (e.g. ACE credit for military experience) for programs not fully available at Northern but for which there is faculty expertise to evaluate licensures, certificates, and other measures in which competencies are equivalent to coursework.

## DEGREE REQUIREMENTS

Students will be graduated from the College upon having completed 60 credit hours of college courses with a retention/graduation grade-point average of C (2.00); physical activity courses and zero-level courses do not count toward the minimum 60. Per State Regents' policy (3.14.3.E), all students must complete a minimum of 15 hours of residence credit of their associate degree at the institution that awards the degree, exclusive of transfer credit (For complete explanation, please go to the OSHRE website at: <http://www.okhighered.org/state-system/policy-procedures/2016/Chapter%203-2016.pdf>).

Students graduating from Northern will receive one of the following degrees: Associate in Arts, Associate in Science, or Associate in Applied Science.

To earn a degree, students must complete all of the requirements listed on the degree sheet in the catalog for the year in which they were admitted. Students may change to the requirements of a later version of the degree sheet only if they meet all requirements of the later version.

Degrees will be conferred at regular commencement exercises. Students who expect to graduate in a given semester should request a final degree check from their advisors before that semester begins to ensure all requirements have been met. Application for graduation (no charge) should be made at the Registrar's Office at the time of enrollment for the final semester; filings after April 1 may not be recognized for academic recognitions and publication in the commencement program due to publishing deadlines.

## GENERAL EDUCATION REQUIREMENTS

In December 1975, the Oklahoma State Regents for Higher Education adopted a policy which guarantees the community college Associate in Arts or Science graduate acceptance of the lower division courses as meeting lower division general education requirements of bachelor degree programs at state system universities.

Policy standards for associate degrees in Arts and Science include the following:

The completion of 60 semester credit hours, exclusive of physical education activity courses or military science courses, with a retention/graduation grade-point average of 2.00.

The completion, as a portion of the overall 60 semester credit hours of a basic general education core, of a minimum of 37 semester credit hours which shall include the following:

Subject Area:	Total Hours:
English Composition	6 hours
American History and American National Government	6 hours
Science	7-8 hours
<i>(Note: Two science courses, one of which must have a lab)</i>	
Humanities	6 hours
<i>(Note: Humanities courses chosen from non-performance course defined as humanities by the institution granting the associate degree.)</i>	
Mathematics	3 hours

ORNT 1101 Orientation 1 hours

BADM 1113 Digital/Financial Literacy or other computer course 3 hours

(Note: Candidates for the Associate in Arts and Associate in Sciences degrees must either pass one of these two courses or demonstrate proficiency in computer applications.)

Other 4-5 hours

One course from: Psychology, Social Sciences, Humanities, Foreign Languages, and Natural Sciences. Additional courses may be selected from the above or complete additional hours in Language Arts and Mathematics.

The remaining minimum of 23 semester credit hours of academic work shall be applicable to the student's major objective, including any prerequisite courses necessary for his/her anticipated upper-division program. A majority of such student credit hours should be taken in courses classified as liberal arts and sciences.

The associate degree general education core of 37 semester credit hours listed in item 2 above shall be considered minimal, and each two-year college may, with the approval of the State Regents, develop additional lower-division general education requirements for its own students.

Additional liberal arts and science courses are needed to meet the minimum total of 37 credit hours required in this policy. (The Oklahoma State Regents' policies require a minimum of 40 semester hours of general education for the baccalaureate degree.) Credits earned consistent with the Oklahoma State Regents' Policy "Standards of Education Relating to Advanced Standing Credit" may be used to satisfy the given requirements.

## GENERAL EDUCATION ELECTIVES

The following courses may be counted as general education electives in their respective areas (note: the course code precedes each title):

### BIOLOGICAL SCIENCE

BIOL 1114 General Biology

BIOL 1214 Environmental Science

BIOL 1314 General Botany

BIOL 1414 General Zoology

BIOL 2104 Human Anatomy

BIOL 2124 Microbiology

BIOL 2204 Human Physiology

BIOL 2214 Human Anatomy and Physiology

NUTR 2123 Intro to Human Nutrition

### PHYSICAL SCIENCE

ASTR 1014 Astronomy

CHEM 1014 Concepts in Chemistry

CHEM 1315 General Chemistry I

CHEM 1515 General Chemistry I for Engineers

CHEM 1414 General Chemistry II

CHEM 2014 Process Organic Chemistry

ESCI 1214 Earth Science

NUTR 2123 Intro to Human Nutrition



PHSC 1114 General Physical Science  
PHYS 1114 General Physics I  
PHYS 1214 General Physics II  
PHYS 2014 Engineering Physics I  
PHYS 2104 Concepts in Physics  
PHYS 2114 Engineering Physics II

### **HUMANITIES**

ARTS 1113 Art Appreciation  
ARTS 1203 Art History Survey I  
ARTS 1303 Art History Survey II  
GLBL 2113 Global Studies in HUMN  
GLBL 2123 Global Culture and Society  
GLBL 2133 Intro to Intl Bus Cultures  
HIST 1113 History of Ancient World Civilization  
HIST 1223 History of Modern World Civilization  
HIST 1713 History of Eastern Civilization  
HIST 2213 Native American Culture  
HUMN 1113 World Religions  
HUMN 2113 Ancient Arts and Culture  
HUMN 2223 Modern Arts and Culture  
HUMN 2550 Study Abroad  
ENGL 1413 Introduction to Literature  
ENGL 2113 World Lit Before 1650  
ENGL 2223 World Lit Since 1650  
ENGL 2543 Survey British Lit. to 1800  
ENGL 2653 Survey British Lit. from 1800  
ENGL 2773 Survey American Lit. to 1877  
ENGL 2883 Survey American Lit. from 1877  
MUSC 1113 Music Appreciation  
PHIL 1113 Introduction to Philosophy  
PHIL 2213 Ethics  
PHIL 2223 Business Ethics  
THTR 1223 Introduction to Theatre  
THTR 2713 History of Theatre

Note: Education majors taking the OGET benefit most from ARTS 1113, HUMN 2113, HUMN 2223, ENGL 2413, and MUSC 1113 as these courses cover subject areas on the certification test.

Courses with GLBL prefix are designed primarily for Study Abroad/Military Science options.

Only THREE HOURS of Seminars (ALL DIVISIONS INCLUDED) may be counted for Graduation; for the purpose of this policy, a "seminar" is defined as a class in which a pass/fail grade is issued rather than a letter grade of A-F.

In the 2008-2009 academic year, the General Education Assessment Committee, also recommended that each Northern graduate should meet the competency of "awareness of diversity issues in a multicultural society." This

competency can be met if students choose one of their two required 3-credit hour humanities courses from the following list of approved courses (note: the course code precedes each title).

ARTS 1113 Art Appreciation  
GLBL 2113 Global Studies in Humanities  
GLBL 2123 Global Culture and Society  
GLBL 2133 Intro to Intl Business Cultures  
GLBL 2143 Intro to Global Political Issues  
HIST 1113 History of Ancient World Civilization  
HIST 1223 History of Modern World Civilization  
HIST 1713 History of Eastern Civilization  
HUMN 1113 World Religions  
HUMN 2113 Ancient Arts and Culture  
HUMN 2223 Modern Arts and Culture  
HUMN 2550 Study Abroad  
ENGL 2113 World Lit Before 1650  
ENGL 2223 World Lit Since 1650  
MUSC 1113 Music Appreciation

### **COURSE FORMATS**

The following definitions describe existing modes of delivery for courses offered at Northern Oklahoma College:

*Traditional:* A class is considered “traditional” when instruction relies solely upon face-to-face instruction with 800 minutes of seat time per credit hour issued—e.g. 50 minutes of a class meeting 3 times a week for 16 weeks, 75 minutes of a class meeting 2 times a week for 16 weeks, or 150 minutes of a class meeting 1 time a week for 16 weeks. Unless otherwise listed, all courses in the class schedule are traditional.

*Hybrid* (designated in comment line of schedule): A hybrid class represents a mixture of traditional and online elements with a minimum of 65% face-to-face instructional time and the use of a Learning Management System (e.g. Blackboard) as a supplement for either synchronous or asynchronous learning with the expectation of student interaction with other students and the teacher.

*Online* (designated as “N” in schedule): An online class is one in which 75% or more of the instruction occurs through the use of a Learning Management System such as Blackboard. Learning in an online course may be both synchronous and asynchronous but with internal deadlines requiring students to log in a minimum average of once a week.

Note: All online courses at Northern require students to take one proctored exam to authenticate identity of students enrolled in distance education. Students may test at any Northern campus testing site—the Enid location, the Stillwater location, or the Tonkawa campus—or at another official testing site (e.g. a university in another community) if pre-approved by the instructor. Testing fees may apply for testing sites other than the three Northern locations listed--normally averaging \$20-30 per test session.

*Interactive television courses* (designated as ITV in schedule)—delivery might be traditional, web-enhanced, or hybrid.

*Live online courses* (designated as online live in schedule)—delivery is synchronous with students logging in at designated, posted time for class.

*Supervised Study:* Project-based courses allowing students opportunity to investigate topics in depth not covered in other coursework. All supervised study courses must have prior approval from the Division Chair and Academic Affairs with submission of a syllabus to clarify meeting times required, whether face-to-face or online, and assignments.

*Arranged:* Individualized instruction used to meet program requirements for graduation—i.e. a private voice or music lesson or program course out of sequence for the student's timely completion of degree. Any course taught by arrangement must be approved by the instructor, division chair, and Vice President for Academic Affairs. Only courses required for the degree program and not scheduled in the current year will be considered for arrangement. No course being repeated may be taken by arrangement. A student may appeal to the Office of Academic Affairs in the event of a special situation not covered by the preceding guidelines.

## **ASSOCIATE IN ARTS DEGREES**

(Individual degree sheets follow listing below)

### **ART**

#### **CHILD DEVELOPMENT**

#### **COMMUNICATIONS—MASS COMMUNICATIONS OPTION**

#### **CRIMINAL JUSTICE ADMINISTRATION**

#### **EDUCATION—ELEMENTARY EDUCATION OPTION**

#### **ENGLISH**

#### **MUSIC**

#### **MUSIC—MUSIC THEATRE OPTION**

#### **SOCIAL SCIENCE**

#### **SOCIAL SCIENCE—BEHAVIORAL SCIENCE OPTION**

### **CERTIFICATES**

(Individual degree sheet follows listing below)

#### **CERTIFICATE IN ADMINISTRATION AND MANAGEMENT OF CHILD CARE PROGRAMS**

#### **CERTIFICATE OF MASTERY IN CHILD DEVELOPMENT**

This degree is offered at NOC Tonkawa campus only.

**Program Requirements 60 Total Credit Hours**

General Education Courses					37 Total Credit Hours	Program Requirement Courses				18 hours
English Composition Courses						ARTS	1193	Ceramic I		3 hours
	ENGL	1113	English Composition I	3 hours		ARTS	1313	Drawing I		3 hours
	ENGL	1213	English Composition II	3 hours		ARTS	1433	Fund of 2-Dimensional Art		3 hours
History & Government Courses						ARTS	2333	Sculpture I		3 hours
	HIST	1483	American History to 1877	3 hours		ARTS	2563	Fund of 3-Dimensional Art		3 hours
or	HIST	1493	American History Since 1877			ARTS	1203	Art History Survey I		3 hours
	POLI	1113	American Government	3 hours	or	ARTS	1303	Art History Survey II		
Humanities Courses										
			Elective	6 hours		<b>Recommended Program Elective Courses</b>				5-6 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.						ARTS	2853	Painting I		3 hours
						ARTS	1323	Drawing II		3 hours
Mathematics Courses						ARTS	2193	Ceramics II		3 hours
	MATH	1493	Math Applications	3 hours		ARTS	2863	Painting II		3 hours
or	Other college-level math					ARTS	2951	Portfolio/Gallery Seminar		1 hour
Science Courses						ARTS	2433	Sculpture II		3 hours
	Two Sciences with labs			8 hours						
Computer Science Courses										
	BADM	1113	Digital/Financial Literacy	3 hours						
or	Other approved computer course									
Orientation Course										
	ORNT	1101	Freshman Orientation	1 hour						
General Education Elective Course					4 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.										

Professional faculty and spacious, well-equipped art studios enable the student to pursue a career in the visual arts. Students will study painting, sculpture, drawing, ceramics, design, color theory, and art history.

**Career Opportunities:** Art Business, Art Education, Art Historian, Art Preservation, Art Therapy, Book Illustration, Commercial Artist, Gallery Owner, Studio Artist

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or	Other college-level math		or		
ORNT	1101	Freshman Orientation	HIST	1493	American History since 1877
ARTS	1113	Art Appreciation (Humanities)	ARTS	1203	Art History Survey I
ARTS	1433	Fund of 2-Dimensional Art	or		
ARTS	2563	Fund of 3-Dimensional Art	ARTS	1303	Art History Survey II
			ARTS	2333	Sculpture I
			ARTS	1313	Drawing I
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	Humanities Elective
	4 hours	Science Elective		4 hours	Science Elective
	3 hours	Program Elective	*	6 hours	Program/Gen Ed Elective
ARTS	1193	Ceramics I	*Hours from recommended program electives and general education electives in Fine Arts may be combined for final 6 hours required to graduate.		
BADM	1113	Digital/Financial Literacy			
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 60 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>36 Total Credit Hours</b>	
			<b>Program Requirement Courses</b>	
			<b>15 hours</b>	
English Composition Courses			* CHDV 1023	Intro to Early Childhood Ed 3 hours
ENGL 1113	English Composition I	3 hours	* CHDV 1053	Child Health, Safety, & Nutrition 3 hours
ENGL 1213	English Composition II	3 hours		
History & Government Courses			CHDV 2013	Behavior, Development, & Guidance of Children 3 hours
HIST 1483	American History to 1877	3 hours		
or HIST 1493	American History Since 1877		CHDV 2243	Infant/Toddler Programming 3 hours
POLI 1113	American Government	3 hours	CHDV 2143	Pre-school Programming 3 hours
Humanities Courses			*A valid CDA credential may replace CHDV 1023 and 1053 in program requirements.	
Elective		6 hours		
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				
Mathematics Courses			<b>Recommended Program Elective Courses</b>	
MATH 1493	Math Applications	3 hours	<b>9 hours</b>	
or Other college-level math			CHDV 1043	Music, Movement, & Creative Arts 3 hours
Science Courses			CHDV 2023	Children with Special Needs 3 hours
Two Sciences with labs		8 hours	CHDV 2033	Children's Language Arts & Literature 3 hours
Computer Science Courses			CHDV 2043	Child & Family in Society 3 hours
BADM 1113	Digital/Financial Literacy	3 hours	CHDV 2113	Child Development in the Human Lifespan 3 hours
or CMSC 1113	Computer Concepts		CHDV 2313	Administration and Mgmt of Child Care Programs 3 hours
Orientation Course			PSYC 2213	Developmental Psychology 3 hours
ORNT 1101	Freshman Orientation	1 hour		
General Education Elective Course				
		4 hours		
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Science.				

The Associate in Arts degree program in Child Development has been developed to prepare a person to work in the childcare field. A CDA certificate must be submitted to the Registrar in order to receive six hours of college credit from NOC (replacing CHDV 1023 and 1053 in program requirements). The CDA Certificate, the Certificate of Mastery, and the Certificate of Administration and Management of Child Care Programs can be acquired prior to obtaining the Associate degree or as one obtains the Associate degree.

The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.

Career Opportunities: Child Care Center Director, Child Care Center Master Teacher, Headstart Staff, Public School Teacher's Aide

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or	Other college-level math		or		
ORNT	1101	Freshman Orientation	HIST	1493	American History since 1877
BADM	1113	Digital/Financial Literacy		3 hours	Humanities Electives
or			CHDV	2013	Behavior, Development and
CMSC	1113	Computer Concepts			Guidance of Children
CHDV	1023	Intro to Early Childhood Ed	CHDV	2243	Infant/Toddler Programming
CHDV	1053	Child Health, Safety, & Nutrition			
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	Humanities Elective
	4 hours	Science Elective		4 hours	Science Elective
	6 hours	Recommended Program	*	3 hours	Program Elective
		Electives (2 courses)		3 hours	Gen Ed Elective
CHDV	2143	Pre-school Programming	*Hours from recommended program elective and general education electives may be combined for final 7 hours required to graduate.		
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

<b>Program Requirements 60 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>37 Total Credit Hours</b>	
			<b>Program Requirement Courses</b>	
			<b>15 hours</b>	
English Composition Courses			COMM 1653	Radio Broadcasting (F) 3 hours
ENGL 1113	English Composition I	3 hours	COMM 1713	Intro to Oral Comm. (F) 3 hours
ENGL 1213	English Composition II	3 hours	MCOM 1013	Intro to Mass Communication 3 hours
History & Government Courses			MCOM 1113	Writing for Mass Media (Sp) 3 hours
HIST 1483	American History to 1877		MCOM 1123	News Report'g and Writing (F) 3 hours
or HIST 1493	American History Since 1877	3 hours		
POLI 1113	American Government	3 hours		
Humanities Courses			<b>Recommended Program Elective Courses</b>	
Elective 6 hours			<b>8 hours</b>	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.			COMM 2010	Speech Activity Partic. (Sp) 2 hours
Mathematics Courses			COMM 2213	Interpersonal Comm (Sp) 3 hours
MATH 1493	Math Applications	3 hours	MCOM 2013	Principles of Advertising 3 hours
or Other college-level math			MCOM 2033	Prin. of Public Relations (Sp) 3 hours
Science Courses			MCOM 2240	Publications Practicum 1-3 hours
Two Sciences with labs 8 hours				
Computer Science Courses				
BADM 1113	Digital/Financial Literacy	3 hours		
or Other approved computer course				
Orientation Course				
ORNT 1101	Freshman Orientation	1 hour		
General Education Elective Course 4 hours				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.				

The Associate in Arts degree in Mass Communications prepares students to transfer to four-year colleges to pursue the bachelor's degree. The degree is designed to give valuable knowledge and experience in the various fields of the modern media, from radio and television broadcasting to journalism and advertising, offering several real-life opportunities for students to hone their skills. Students have the opportunity to work on the school newspaper, school radio station, or local television studios.

**Career Opportunities:** Editor, Information Specialist, Media/Public Relations, News Reporter/Writer, On-Air Broadcast Talent, Photojournalist, Sports Reporter, Teacher, Technical Writer

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

Year One					
Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or	Other college-level math		or		
ORNT	1101	Freshman Orientation	HIST	1493	American History Since 1877
BADM	1113	Digital/Financial Literacy		4 hours	Science Elective
MCOM	1013	Intro to Mass Communications	MCOM	1113	Writing for Mass Media
MCOM	1123	News Reporting and Writing		3 hours	Humanities Electives
Total: 16 credit hours			Total 16 credit hours		

Year Two					
Fall Semester			Spring Semester		
POLI	1113	American Government	MCOM	2033	Principles of Public Relations
COMM	1653	Radio Broadcasting		4 hours	Science Elective
	3 hours	Humanities Elective		4 hours	Gen Ed/Program Electives
COMM	1653	Radio Broadcasting	COMM	1713	Intro to Oral Communication
MCOM	2240	Publications Practicum (recommended elective)			(recommended elective)
Total 12 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines

This degree is offered on NOC Enid and NOC Tonkawa campuses.

Program Requirements 60 Total Credit Hours					
General Education Courses		37 Total Credit Hours		Program Requirement Courses	15 hours
English Composition Courses				CRMJ 1113	Intro to Criminal Justice 3 hours
ENGL	1113	English Composition I	3 hours	CRMJ 1223	Crim. Law-Admin of Justice 3 hours
ENGL	1213	English Composition II	3 hours	CRMJ 1523	Intro to Corrections 3 hours
History & Government Courses				CRMJ 2113	Criminal Investigation 3 hours
HIST	1483	American History to 1877		SOCI 1113	Principles of Sociology 3 hours
or HIST	1493	American History Since 1877	3 hours		
POLI	1113	American Government	3 hours		
Humanities Courses				Recommended Program Elective Courses 8 hours	
Elective 6 hours				CRMJ 1333	Criminal Evidence 3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				CRMJ 2233	Juvenile Delinquency 3 hours
Mathematics Courses				CRMJ 2450	Supervs'd Studies in CRMJ 3 hours
MATH	1493	Math Applications	3 hours	CRMJ 2460	Internship in CRMJ 3 hours
or	Other college-level math			COMM 1713	Intro to Oral Communication 3 hours
Science Courses				PSYC 1113	General Psychology 3 hours
Two Sciences with labs 8 hours				PSYC 2333	Intro to Addictive Behaviors 3 hours
Computer Science Courses				SOCI 2223	Social Problems 3 hours
BADM	1113	Digital/Financial Literacy	3 hours	HPET 1113	Nutrition 2-3 hours
or	Other approved computer course			or HPET 1223	Health, Educ., & Wellness
Orientation Course				or HPET 2212	First Aid
ORNT	1101	Freshman Orientation	1 hour		
General Education Elective Course 4 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.					

This suggested curriculum includes degree requirements and courses that are usually completed in, the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree program.

**Career Opportunities:** Law Enforcement, Corrections Officer, Paralegal, Private Investigator, Security, Surveillance, Crime Science Tech

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

Year One					
Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or	Other college-level math		or		
ORNT	1101	Freshman Orientation	HIST	1493	American History Since 1877
CRMJ	1113	Intro to Criminal Justice	BADM	1113	Digital/Financial Literacy
POLI	1113	American Government	CRMJ	1523	Intro to Corrections
SOCI	1113	Principles of Sociology		3 hours	Recommended Program Elective
Total: 16 credit hours			Total 15 credit hours		

Year Two					
Fall Semester			Spring Semester		
CRMJ	1223	Criminal Law-Admin. of Justice		3 hours	Humanities Elective
	4 hours	Science Elective		4 hours	Science Elective
	3 hours	Humanities Elective (Ethics recommended)	*	6 hours	Program/General Ed Electives (2 courses)
CRMJ	2113	Criminal Investigation	*Hours from recommended program electives and general education electives in Social Sciences may be combined for final 6 hours required to graduate.		
	3 hours	Recommended Program Elective			
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



Program Requirements 60 Total Credit Hours				
General Education Courses				37 Total Credit Hours
Program Requirement Courses				21 hours
English Composition Courses				PSYC 1113 General Psychology 3 hours
ENGL 1113 English Composition I 3 hours				COMM 1713 Intro to Oral Communication 3 hours
ENGL 1213 English Composition II 3 hours				GEOG 2253 World Regional Geography 3 hours
History & Government Courses				HPET 1223 Health, Ed. & Wellness 3 hours
HIST 1483 American History to 1877 3 hours				ENGL 1413 Intro to Literature 3 hours
or	HIST 1493	American History Since 1877		MATH 2233 Elementary Math Structures 3 hours
POLI 1113 American Government 3 hours				MATH 2243 Geometric Structures 3 hours
Humanities Courses (6 total hours)				
ARTS 1113 Art Appreciation 3 hours				Recommended Program Elective Courses 2 hours
and	MUSC 1113	Music Appreciation	3 hours	HPET 2212 First Aid 2 hours
(Recommended Humanities)				MATH 1233 Probability and Statistics 3 hours
Mathematics Courses				MATH 2023 Elementary Statistics 3 hours
MATH 1493 Math Applications 3 hours				
or	MATH 1513 Algebra for STEM			
Science Courses				
One Biological Science with Lab 4 hours				
One Physical Science with Lab 4 hours				
Computer Science Courses				
BADM 1113 Digital/Financial Literacy 3 hours				
or	Other approved computer course			
Orientation Course				
ORNT 1101 Freshman Orientation 1 hour				
General Education Elective Course 4 hours				
Science Elective Recommended				

**Career Opportunities:** Teacher, Day Care Employment

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
ORNT	1101	Freshman Orientation	ESCI	1214	Earth Science (Recommended Science)
BADM	1113	Digital/Financial Literacy	COMM	1713	Intro to Oral Communication
	4 hours	Biological Science	MATH	2233	Elementary Math Structures
HPET	1223	Health, Ed. and Wellness			
Total: 17 credit hours			Total 13 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	ARTS	1113	Art Appreciation (Humanities Elective)
	4-5 hours	Science Elective	MUSC	1113	Music Appreciation (Humanities Elective)
PSYC	1113	General Psychology	GEOG	2253	World Regional Geography
MATH	2243	Geometric Structures		4 hours	Science Elective
ENGL	1413	Intro to Literature		2-3 hours	General Ed Elective
Total 16-17 credit hours			Total 15-16 credit hours		

Note: Bachelor's degrees in elementary education in Oklahoma require 12 hours in four key areas (science, math, social sciences, and English/communications). Students may wish to take extra classes in these areas before transfer; however, courses for transfer, including the recommended program electives, are highly dependent upon the program requirements of the institution where the student will be transferring. Not all courses listed are applicable at all institutions (e.g. NWOSU recommends CPR certification replace the First Aid course).

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined by A.C.T. test scores-- primary or a residual administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered traditional and online on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 60 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>37 Total Credit Hours</b>	
<b>Program Requirement Courses</b>			<b>15 hours</b>	
English Composition Courses			COMM 1713	Intro to Oral Communications 3 hours
ENGL 1113	English Composition I	3 hours	* ENGL 2543	Survey to Brit. Lit. to 1800 3 hours
ENGL 1213	English Composition II	3 hours	* ENGL 2653	Survey to Brit Lit. from 1800 3 hours
History & Government Courses			* ENGL 2773	Survey Am. Lit. to 1877 3 hours
HIST 1483	American History to 1877	3 hours	* ENGL 2883	Survey Am Lit. from 1877 3 hours
or HIST 1493	American History Since 1877			
POLI 1113	American Government	3 hours		
Humanities Courses			<b>Recommended Program Elective Courses</b>	
Elective 6 hours			ENGL 1413	Intro to Literature 3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.			ENGL 2413	Creative Writing 3 hours
Mathematics Courses			Foreign Language Electives 5 hours	
MATH 1493	Math Applications			
or Other college-level math		3 hours		
Science Courses				
Two Sciences with labs 8 hours				
Computer Science Courses				
BADM 1113	Digital/Financial Literacy			
or Other approved computer course		3 hours		
Orientation Course				
ORNT 1101	Freshman Orientation	1 hour		
General Education Elective Course 4 hours				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.			* These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.	

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs

**Career Opportunities:** Proofing, Publishing, Editing, Teaching, Writing, Law School, Graduate School

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
ORNT	1101	Freshman Orientation	or		
BADM	1113	Digital/Financial Literacy	HIST	1493	American History Since 1877
COMM	1713	Intro to Oral Communication		3 hours	Humanities Elective
		(Program Elective)	ENGL	2773	Survey Am. Lit to 1877
ENGL	2543	Survey to Brit. Lit. to 1800		4 hours	Science Elective
Total: 16 credit hours			Total 16 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
	3-5 hrs	Program Elective	ENGL	2883	Survey American Lit. from 1877
	3 hours	Humanities Elective		4 hours	Science Elective
ENGL	2353	Survey British Lit. from 1800	*	6 hours	Program/General Ed Elective (2 courses)
	4 hours	Science Elective	*Hours from recommended program electives and general education electives in Language Arts may be combined for final 6 hours required to graduate.		
POLI	1113	American Government			
Total 15 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is only offered on the NOC Tonkawa campus.

<b>Program Requirements 60 Total Credit Hours</b>			
<b>General Education Courses</b>		<b>37 Total Credit Hours</b>	<b>Program Requirement Courses 16 hours</b>
English Composition Courses			MUSC 1110 Recital Attendance 0 hours
ENGL 1113	English Composition I	3 hours	MUSC 1131 Ear Training/Sight Singing I 1 hour
ENGL 1213	English Composition II	3 hours	MUSC 1133 Music Theory I 3 hours
History & Government Courses			MUSC 1141 Ear Training/Sight Singing II 1 hour
HIST 1483	American History to 1877	3 hours	MUSC 1143 Music Theory II 3 hours
or HIST 1493	American History Since 1877		MUSC 2131 Ear Training/Sight Singing III 1 hour
POLI 1113	American Government	3 hours	MUSC 2133 Music Theory III 3 hours
Humanities Courses			MUSC 2141 Ear Training/Sight Singing IV 1 hour
Electives		6 hours	MUSC 2143 Music Theory IV 3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.			
Mathematics Courses			<b>Recommended Program Elective Courses 7 hours</b>
MATH 1493	Math Applications	3 hours	MUSC 1513 Music Literature 3 hours
or Other college-level math			Area of Concentration- Priv. 4-8 hours
Science Courses			Voice/Instrument
Two Sciences with labs		8 hours	(Senior institutions will require 8 hours of lower division private instruction)
Computer Science Courses			Applied Piano Class*, Concert Band**, Vocal Ensemble/College Choir **, Applied Instrument Class (WW/Br/Per).
CMSC 1113	Computer Concepts	3 hours	
or Other approved computer course			*Most Senior institutions require music majors to enroll in Piano Class until a proficiency test is passed.
Orientation Course			**Ensemble may be repeated, but each ensemble will only count once towards graduation.
ORNT 1101	Freshman Orientation	1 hour	
General Education Elective Course		4 hours	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.			

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on here to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

With the general education requirements and the nature of the study of music, the student may want to attend summer school between the freshman and sophomore years to relieve the amount of credit hours taken during the school year.

**Career Opportunities:** Composition, Entertainment, Instrumental Repair, Music Education, Music Performance, Music Store Owner, Music Therapy, Piano Tuning, Studio Arts

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

Year One					
Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
	4 hours	Science Elective with Lab	HIST	1483	American History to 1877
ORNT	1101	Freshman Orientation	or		
MUSC	1110	Recital Attendance	HIST	1493	American History Since 1877
MUSC	1131	Ear Training/Sight Singing I	CMSC	1113	Computer Concepts
MUSC	1133	Music Theory I	MUSC	1110	Recital Attendance
	3 hours	Program Electives--recommended:	MUSC	1141	Ear Training/Sight Singing II
		MUSC 2631 Vocal Ensemble or	MUSC	1143	Music Theory II
		MUSC 2611 Instrumental Ensemble		2 hours	Program Electives-recommended:
		Private Area of Study			MUSC 1721 Applied Piano-Class II
		MUSC 1711 Applied Piano-Class I			Private Area of Study
			(Also recommended but does not count as a repeat toward graduation: MUSC 2631 Vocal Ensemble or MUSC 2611 Instrumental Ensemble)		
Total: 15 credit hours			Total 15 credit hours		

Year Two					
Fall Semester			Spring Semester		
POLI	1113	American Government	MATH	1493	Math Applications
	4 hours	Science Elective	MUSC	1110	Recital Attendance
	3 hours	Humanities Elective	MUSC	2141	Ear Training/Sight Singing IV
MUSC	1110	Recital Attendance	MUSC	2143	Music Theory IV
MUSC	2131	Ear Training/Sight Singing III		4 hours	General Education Electives
MUSC	2133	Music Theory III	MUSC	1113	Music Appreciation (Humanities Elective)
	2 hours	Program Electives -- recommended:		2 hours	Program Electives -- recommended:
		MUSC 1731 Applied Piano Class III			MUSC 1731 Applied Piano Class IV
		Private Area of Study			Private Area of Study
(Also recommended but does not count as a repeat toward graduation: MUSC 2631 Vocal Ensemble or MUSC 2611 Instrumental Ensemble)			Music majors advised to choose from program electives needed for proficiencies (e.g. Private Area of Study, MUSC 2631, Applied Piano IV)		
Total 16 credit hours			Total 16 credit hours		



This degree is only offered on the NOC Tonkawa campus.

<b>Program Requirements 60 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>37 Total Credit Hours</b>	
			<b>Program Requirement Courses</b>	
			<b>19 hours</b>	
English Composition Courses			MUSC 1131	Ear Training/Sight Singing I 1 hour
ENGL 1113	English Composition I	3 hours	MUSC 1133	Music Theory I 3 hours
ENGL 1213	English Composition II	3 hours	MUSC 1141	Ear Training/Sight Singing II 1 hour
History & Government Courses			MUSC 1143	Music Theory II 3 hours
HIST 1483	American History to 1877	3 hours	THTR 1213	Beginning Acting 3 hours
or HIST 1493	American History Since 1877		THTR 1243	Stagecraft I 3 hours
POLI 1113	American Government	3 hours	THTR 1262	Stage Makeup 2 hours
Humanities Courses (6 hours)			THTR 2213	Intermediate Acting 3 hours
THTR 2713	History of Theatre	3 hours		
and THTR 2813	History of Musical Theatre	3 hours		
(Recommended Humanities)				
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				
			<b>Recommended Program Elective Courses</b>	
			<b>4 hours</b>	
Mathematics Courses			THTR 1223	Intro to Theatre 3 hours
MATH 1493	Math Applications	3 hours	THTR 2963	Stage Lighting 3 hours
or Other college-level math			THTR 2973	Stage Lighting II 3 hours
Science Courses			MUSC/THTR	Activity* 1 hour
Two Sciences with labs		8 hours	THTR 2243	Stagecraft II 3 hours
Computer Science Courses			MUSC 1003	Fundamentals of Music 3 hours
BADM 1113	Digital/Financial Literacy	3 hours	MUSC 1513	Music Literature 3 hours
or Other approved computer course				
Orientation Course				
ORNT 1101	Freshman Orientation	1 hour		
General Education Elective Course				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences				

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer.

Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs. The Music Theatre degree is designed for those interested in a career in the ever expanding music and entertainment industry.

**Career Opportunities:** Actor, Costume Designer, Entertainer, Lighting Designer, Makeup Artist, Music Education, Music Teacher, Stagecraft, Voice Coach

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	BADM	1113	Digital/Financial Literacy
or	Other college-level math		MUSC	1110	Recital Attendance
ORNT	1101	Freshman Orientation	MUSC	1141	Ear Training/Sight Singing II
	4 hours	Science Elective	MUSC	1143	Music Theory II
MUSC	1110	Recital Attendance		3 hours	Program Elective--recommended
MUSC	1131	Ear Training/Sight Singing I			MUSC 1721 Applied Piano- Class II
MUSC	1133	Music Theory I			Private Area of Study
THTR	2441	Dance I	THTR	2451	Dance III
THTR	2491	Dance II	THTR	2461	Dance IV
	1 hours	Program Elective--recommended:	(Also recommended but does not count as a repeat toward graduation: MUSC 2631 Vocal Ensemble or MUSC 2611 Instrumental Ensemble)		
		MUSC 1711 Applied Piano-Class I			
		Private Area of Study			
		MUSC 2631 Vocal ensemble (or)			
		MUSC 2611 Instrumental Ensemble			
Total: 17-18 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government	THRT	2813	History of Musical Theatre (Humanities Elective)
	4 hours	Science Elective	THTR	2213	Intermediate Acting
THTR	2713	History of Theatre (Humanities Elective)	HIST	1483	American History to 1877
THTR	1243	Stagecraft	or		
THTR	1213	Beginning Acting	HIST	1493	American History Since 1877
MUSC	1110	Recital Attendance	MUSC	1110	Recital Attendance
Most music theatre majors will also need additional ensemble and private areas of study for proficiency upon transfer but note that ensemble hours count only once toward hours needed to graduate				4 hours	General Ed Electives
			THTR	1262	Stage Makeup
			Most music theatre majors will also need additional ensemble and private areas of study for proficiency upon transfer but note that ensemble hours count only once toward hours needed to graduate		
Total 16 credit hours			Total 15 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

<b>General Education Courses</b>				<b>Program Requirement Courses</b>			
<b>37 Total Credit Hours</b>				<b>12 hours</b>			
English Composition Courses				PSYC 1113	General Psychology	3 hours	
ENGL 1113	English Composition I	3 hours		SOCI 1113	Principles of Sociology	3 hours	
ENGL 1213	English Composition II	3 hours		HIST 1483	Am. History to 1877	3 hours	
History & Government Courses				or HIST 1493	Am. History Since 1877		
HIST 1483	American History to 1877	3 hours		(with other taken as part of Gen Ed Courses)			
or HIST 1493	American History Since 1877			GEOG 2253	World Regional Geography	3 hours	
POLI 1113	American Government	3 hours					
Humanities Courses							
Electives			6 hours	<b>Recommended Program Elective Courses</b>			
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				CRMJ 1113	Intro to Criminal Justice	3 hours	
Mathematics Courses				HIST	Any additional History	3 hours	
MATH 1493	Math Applications	3 hours		SOCI 2013	Marriage/Family	3 hours	
or Other college-level math				SOCI 2223	Social Problems	3 hours	
Science Courses				HPET 1113	Nutrition	2-3 hours	
Two Sciences with labs			8 hours				
Computer Science Courses							
BADM 1113	Digital/Financial Literacy	3 hours					
or Other approved computer course							
Orientation Course							
ORNT 1101	Freshman Orientation	1 hour		Note: Consideration should be given to foreign language and additional humanities to meet the requirements of many baccalaureate degrees.			
General Education Elective Course			4 hours				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences							

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

The social sciences, in general, are concerned with the behavior of people under varying circumstances. For example, history examines the behavior of societies through time, geography studies behavior in space, and psychology considers individual behavior.

**Career Opportunities:** Business, Counselor, Social Services, Teacher, Researcher

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or	Other college-level math		or		
ORNT	1101	Freshman Orientation	HIST	1493	American History Since 1877
BADM	1113	Digital/Financial Literacy	SOCI	1113	Principles of Sociology
POLI	1113	American Government		3 hours	Recommended Program Elective
PSYC	1113	General Psychology		3 hours	History designated as humanities elective
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
GEOG	2253	World Regional Geography		4 hours	Science Elective
	4 hours	Science Elective	*	9 hours	Program/Gen Ed Electives
	3 hours	Recommended Program Elective			(3 courses = 9 hours)
	3 hours	Humanities Elective			
HIST	1483	American History to 1877			
or			*Hours from recommended program electives and general education electives in Social Sciences may be combined for final 9 hours required to graduate.		
HIST	1493	American History Since 1877			
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

Program Requirements 60 Total Credit Hours					
General Education Courses			36-37 Total Credit Hours	Program Requirement Courses	12 hours
English Composition Courses				PSYC 1113	General Psychology 3 hours
ENGL 1113	English Composition I		3 hours	PSYC 2233	Social Psychology 3 hours
ENGL 1213	English Composition II		3 hours	SOCI 1113	Principles of Sociology 3 hours
History & Government Courses				SOCI 2223	Social Problems 3 hours
HIST 1483	American History to 1877		3 hours	<b>Recommended Program Elective Courses</b> 12 hours	
or HIST 1493	American History Since 1877				
POLI 1113	American Government		3 hours		
Humanities Courses					
Electives			6 hours	CRMJ 1113	Intro to Criminal Justice 3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				PSYC 2213	Developmental Psychology 3 hours
				PSYC 2333	Intro to Addictive Behaviors 3 hours
Mathematics Courses				SOCI 2013	Marriage and Family 3 hours
MATH 1493	Math Applications		3 hours	Note: Consideration should be given to foreign language and additional humanities to meet the requirements of many baccalaureate degrees.	
or	Other college-level math				
Science Courses					
Two Sciences with labs			8 hours		
Computer Science Courses					
BADM 1113	Digital/Financial Literacy		3 hours		
or	Other approved computer course				
Orientation Course					
ORNT 1101	Freshman Orientation		1 hour		
General Education Elective Course			3-4 hours		
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

The social sciences, in general, are concerned use varying perspectives to discuss the behavior of people. Behavioral scientists seek to understand why people do what they do. This degree program will prepare students to pursue any of the degrees within the field of Behavioral Sciences—Psychology, Sociology, Social Psychology, or Social Work.

**Career Opportunities:** Business, Counselor, Social Services, Psychologist, Forensics, Community Health, Education Psychology, Research

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	POLI	1113	American Government
or	Other college-level math		SOCI	1113	Principles of Sociology
ORNT	1101	Freshman Orientation		4 hours	Science Elective
PSYC	1113	General Psychology	*	3 hours	Recommended Program Elective
HIST	1483	American History to 1877			CRMJ 1113
or					PSYC 2213
HIST	1493	American History Since 1877			PSYC 2333
					SOCI 2013
Total: 13 credit hours			Total 16 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
SOCI	2223	Social Problems		3 hours	Humanities Elective
PHIL	2213	Ethics (Humanities Elective)	PSYC	2233	Social Psychology
	4 hours	Science Elective	*	3 hours	Program Electives
*	6 hours	Recommended Program Elective		3 hours	General Education Elective
		CRMJ 1113	BADM	1113	Digital/Financial Literacy
		PSYC 2213	or		
		PSYC 2333	CMSC	1113	Computer Concepts
		SOCI 2013			
Total 16 credit hours			Total 15 credit hours		

\*Directive electives for Psychology: PSYC 2213 and PSYC 2333

Directive electives for Sociology: SOCI 2013

Directive electives for Criminal Justice: CRMJ 1113

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 27 Total Credit Hours</b>				
<b>General Education Courses</b>		<b>3 Total Credit Hours</b>		<b>Recommended Child Dev. Elective Courses</b>
English Composition Courses				(Choose one of the following)
ENGL	1113	English Composition I	3 hours	CHDV 1043 Children's Music, Movement and Arts 3 hours
<b>Program Requirement Courses</b>		<b>18 hrs</b>		<b>Recommended Business Elective Courses</b>
CHDV	1023	Intro to Early Childhood Ed.	3 hours	(Choose one of the following)
CHDV	1053	Child Health, Safety & Nutr.	3 hours	ACCT 1203 Fundamentals of Acct'g 3 hours
CHDV	2013	Behavior, Development and Guidance of Children	3 hours	MGMT 2233 Human Resource Dev. 3 hours
CHDV	2143	Preschool Programming	3 hours	MGMT 2263 Principles of Management 3 hours
CHDV	2243	Infant/Toddler Programming	3 hours	BADM 1103 Intro to Business 3 hours
CHDV	2313	Administration and Mgmt of Child Care Programs	3 hours	CMSC 1113 Digital/Financial Literacy 3 hours
				Note: BADM 1113 & CMSC 1113 are general education requirements toward an Associate degree so have an added advantage for students planning to complete that degree.

The Certificate in Administration and Management of Child Care Programs has been developed to prepare a person to work in the childcare field by completing hours required for the Oklahoma Director's Certificate (ODC). As an embedded certificate within the Associate Degree in Child Development, the program provides the understanding of the emotional, cognitive, physical, & social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum, as well as communication, teaching, and guidance.

A CDA Certificate must be submitted to the Registrar in order to receive six hours of college credit (CHDV 1023 and CHDV 1053) from NOC within the CHDV program requirements. The CDA Certificate, the Certificate of Mastery, and the Certificate of Administration and Management of Child Care Programs can be acquired prior to obtaining the Associate degree or as one obtains the Associate degree.

**Career Opportunities;** Child Care Center Director, Child Care Center Master Teacher, Headstart Staff, Public School Teacher's Aide

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	CHDV	2013	Behavior, Development & Guidance of Children
	3 hours	Business Elective			
CHDV	1023	Intro to Early Childhood Ed.	CHDV	2243	Infant/Toddler Programming
CHDV	1053	Child Health, Safety & Nutrition	CHDV	2313	Administration & Management of Child Care Programs
CHDV	2143	Preschool Programming			
				3 hours	Child Development Elective
Total: 15 credit hours			Total 12 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

Program Requirements 18 Total Credit Hours								
General Education Courses				3 Total Credit Hours	Recommended Child Dev. Elective Courses			3 hours
English Composition Courses					(Choose one of the following)			
ENGL	1113	English Composition I		3 hours	CHDV	1043	Children’s Music, Movement & Arts	3 hours
Program Requirement Courses				12 hrs	CHDV	2023	Children with Special Needs	3 hours
CHDV	1023	Intro to Early Childhood Ed.		3 hours	CHDV	2033	Children Language Arts & Literature	3hours
CHDV	1053	Child Health, Safety & Nutr.		3 hours	CHDV	2313	Administration and Management of Child Care Programs	3 hours
CHDV	2013	Behavior, Development and Guidance of Children		3 hours				
CHDV	2143	Preschool Programming		3 hours				
or CHDV	2243	Infant/Toddler Programming		3 hours				

The Certificate of Mastery in Child Development has been developed to prepare a person to work in the childcare field by completing hours required for the Oklahoma Professional Development Ladder as a Master Teacher. As an embedded certificate within the Associate Degree in Child Development, the program provides the understanding of the emotional, cognitive, physical, & social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum, as well as communication, teaching, and guidance.

A CDA Certificate must be submitted to the Registrar in order to receive six hours of college credit (CHDV 1023 and CHDV 1053) from NOC within the CHDV program requirements. The CDA Certificate, the Certificate of Mastery, and the Certificate of Administration and Management of Child Care Programs can be acquired prior to obtaining the Associate degree or as one obtains the Associate degree.

**Career Opportunities:** Child Care Center Director, Child Care Center Master, Teacher, Headstart Staff, Public School Teacher's Aide

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	CHDV	2013	Behavior, Development & Guidance of Children
CHDV	1023	Intro to Early Childhood Education			
CHDV	1053	Child Health, Safety & Nutrition	CHDV	2143	Preschool Programming
			or		
			CHDV	2243	Infant/Toddler Programming
				3 hours	Child Development Elective
Total: 9 credit hours			Total 9 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



## **ASSOCIATE IN SCIENCE DEGREES**

(Individual degree sheets follow listing below)

### **AGRICULTURAL SCIENCES**

**AGRICULTURAL SCIENCES-AGRICULTURE BUSINESS OPTION**

**AGRICULTURAL SCIENCES-AGRICULTURE COMMUNICATIONS OPTION**

**AGRICULTURAL SCIENCES-PLANT AND SOIL SCIENCES OPTION**

**AGRICULTURAL SCIENCES-PRE-VET OPTION**

**ARTS AND SCIENCES—GENERAL STUDIES OPTION**

**ARTS AND SCIENCES—INTERNATIONAL STUDIES OPTION**

### **BIOLOGICAL SCIENCES**

**BIOLOGICAL SCIENCES-PRE-MEDICINE OPTION**

**BIOLOGICAL SCIENCES-PRE-PHARMACY OPTION**

### **BUSINESS ADMINISTRATION**

**BUSINESS ADMINISTRATION—INTERNATIONAL BUSINESS OPTION**

**BUSINESS ADMINISTRATION—MIS OPTION**

**COMPUTER SCIENCE, PRE-PROFESSIONAL**

**ENTERPRISE DEVELOPMENT—BUSINESS ADMINISTRATION OPTION**

**ENTERPRISE DEVELOPMENT—GENERAL STUDIES OPTION**

### **HEALTH, PHYSICAL EDUCATION, AND RECREATION**

**HEALTH, PHYSICAL EDUCATION, AND RECREATION—ATHLETIC TRAINING OPTION**

**HEALTH, PHYSICAL EDUCATION, AND RECREATION—PERSONAL TRAINER OPTION**

### **MATHEMATICS AND PHYSICAL SCIENCE**

**MATHEMATICS AND PHYSICAL SCIENCE-ASTRONOMY OPTION**

**MATHEMATICS AND PHYSICAL SCIENCE-CHEMISTRY/PHYSICS OPTION**

**MATHEMATICS AND PHYSICAL SCIENCE-MATHEMATICS OPTION**

**MATHEMATICS AND PHYSICAL SCIENCE-MATHEMATICS TECHNOLOGY OPTION**

**MATHEMATICS AND PHYSICAL SCIENCE-METEOROLOGY OPTION**

**MATHEMATICS AND PHYSICAL SCIENCE-PRE-ENGINEERING OPTION**

**NURSING, PRE-BACCALAUREATE, PRE-PROFESSIONAL OPTION**



This degree is only offered on the NOC Tonkawa campus.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours		Program Requirement Courses			16 hours	
English Composition Courses						*	AGRI	1113	Agricultural Economics	3 hours
ENGL		1113	English Composition I	3 hours		*	AGRI	1124	Intro to Animal Science	4 hours
ENGL		1213	English Composition II	3 hours		*	AGRI	1223	Intro to Plant/Soil Science	3 hours
History & Government Courses						*	AGRI	2124	Fund. of Soil Science	4 hours
HIST		1483	American History to 1877	3 hours			AGRI	2222	Live Animal Evaluation	2 hours
or	HIST		1493		American History Since 1877					
POLI		1113	American Government	3 hours						
Humanities Courses						Recommended Program Elective Courses			7 hours	
Elective		6 hours					ACCT	2103	Accounting I - Financial	3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.							ACCT	2203	Accounting II - Managerial	3 hours
							AGRI	1013	Intro to Horticulture	3 hours
Mathematics Courses						*	AGRI	2303	Agriculture Leadership	3 hours
MATH		1483	Math Functions	3 hours		*	AGRI	2123	Livestock Feeding	3 hours
or	MATH		1513		Algebra for STEM		AGRI	2523	Intro to Sheep Prod & Mgmt	3 hours
or	MATH		2023		Elementary Statistics	*	BIOL	1314	General Botany	4 hours
Science Courses						*	BIOL	2024	Entomology	4 hours
BIOL		1114	General Biology	4 hours		*	BIOL	2403	Intro to Wildlife Conserv.	3 hours
or	BIOL		1124		General Biology for Majors		COMM	1713	Intro to Oral Communication	3 hours
CHEM		1014	Concepts of Chemistry	4-5 hrs			MATH	2023	Elementary Statistics	3 hours
or	CHEM		1315		General Chemistry I		PRVD	1101	Intro to Research	1 hour
Computer Science Courses							PRVD	2321	Professional Development	1 hour
BADM		1113	Digital/Financial Literacy	3 hours						
or	Other approved computer course									
Orientation Course						*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				
ORNT		1101	Freshman Orientation	1 hour						
**General Education Elective Courses				3-4 hrs						
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.						**Note: 4th gen ed hour may be taken in Recommended Program Electives				

This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements. The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program. Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs. The agricultural sciences program prepares students interested in animal science, animal productions, agri-business, food science and agriculture education for transfer to four-year institutions. The foundations of scientific- and business- based agricultural practices are explored.

**Career Opportunities:** Animal Production, Agriculture Pharmaceutical Sales, Animal Science, Agriculture Education, Animal Nutrition, Research

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
or			CHEM	1014	Concepts in Chemistry
MATH	2023	Elementary Statistics	or		
BIOL	1114	General Biology	CHEM	1315	General Chemistry I
or			BADM	1113	Digital/Financial Literacy
BIOL	1124	General Biology for Majors	AGRI	2222	Live Animal Evaluation
ORNT	1101	Freshman Orientation			
AGRI	1124	Intro to Animal Science			
Total: 15 credit hours			Total 15/16 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government		3 hours	Humanities Elective
	3 hours	Humanities Elective	AGRI	2124	Fundamentals of Soil Science
AGRI	1113	Agricultural Economics	*	7-8 hrs	Program/Gen Ed Electives
AGRI	1223	Intro to Plant/Soil Science			(2-3 courses)
COMM	1713	Intro to Oral Communication	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.  Hours from recommended program electives and general education electives may be combined for final 8 hours to graduate.		
		(Program Elective)			
Total 15 credit hours			Total 14/15 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is only offered on the NOC Tonkawa campus.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				16 hours
English Composition Courses					*	AGRI	1113	Agricultural Economics	3 hours
ENGL	1113	English Composition I	3 hours		*	AGRI	1124	Intro to Animal Science	4 hours
ENGL	1213	English Composition II	3 hours		*	AGRI	1223	Intro to Plant/Soil Science	3 hours
History & Government Courses						ACCT	2103	Accounting I - Financial	3 hours
HIST	1483	American History to 1877	3 hours			ACCT	2203	Accounting II - Managerial	3 hours
or HIST	1493	American History Since 1877							
POLI	1113	American Government	3 hours						
Humanities Courses									
Electives			6 hours		Recommended Program Elective Courses				7 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					*	AGRI	2303	Agriculture Leadership	3 hours
					*	AGRI	2123	Livestock Feeding	3 hours
Mathematics Courses					*	AGRI	2124	Fund. of Soil Science	3 hours
MATH	1483	Math Functions	3 hours			AGRI	2222	Live Animal Evaluation	2 hours
or MATH	1513	Algebra for STEM				AGRI	2523	Intro to Sheep Prod & Mgmt	3 hours
or MATH	2023	Elementary Statistics				BADM	1103	Intro to Business	3 hours
Science Courses						COMM	1713	Intro to Oral Communication	3 hours
BIOL	1114	General Biology	4 hours			ECON	2113	Macroeconomics	3 hours
or BIOL	1124	General Biology for Majors				MATH	1513	Algebra for STEM	3 hours
CHEM	1014	Concepts of Chemistry	4/5 hrs			MATH	2023	Elementary Statistics	3 hours
or CHEM	1315	General Chemistry I				MGMT	2263	Management Principles	4 hours
Computer Science Courses						PRVD	2321	Professional Development	1 hour
BADM	1113	Digital/Financial Literacy	3 hours						
or	Other approved computer course								
Orientation Course									
ORNT	1101	Freshman Orientation	1 hour						
General Education Elective Courses			4 hours						
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements. The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program. Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs. The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.

**Career Opportunities:** Agriculture Sales, Banking, Agriculture Loan Officer, Agriculture Management, Private Business Ownership, Marketing

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
or			CHEM	1014	Concepts in Chemistry
MATH	2023	Elementary Statistics	or		
BIOL	1114	General Biology	CHEM	1315	General Chemistry I
or			BADM	1113	Digital/Financial Literacy
BIOL	1124	General Biology for Majors	COMM	1713	Intro to Oral Communication
ORNT	1101	Freshman Orientation			
AGRI	1124	Intro to Animal Science			
Total: 15 credit hours			Total 16/17 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	Humanities Elective
	3 hours	Humanities Elective			(Recommend PHIL 2223 Business Ethics)
AGRI	1113	Agricultural Economics	ACCT	2203	Accounting II - Managerial
AGRI	1223	Intro to Plant/Soil Science	*	7-8 hrs	Program/Gen Ed Electives
ACCT	2103	Accounting I - Financial			(2-3 courses)
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.  Hours from recommended program electives and general education electives may be combined for final 8 hours required to graduate.		
Total 15 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is only offered on the NOC Tonkawa campus.

**Program Requirements 60 Total Credit Hours**

<b>General Education Courses</b>				<b>Program Requirement Courses</b>			
<b>37 Total Credit Hours</b>				<b>16 hours</b>			
English Composition Courses				*	AGRI 1113	Agricultural Economics	3 hours
ENGL 1113	English Composition I	3 hours		*	AGRI 1124	Intro to Animal Science	4 hours
ENGL 1213	English Composition II	3 hours		*	AGRI 1223	Intro to Plant/Soil Science	3 hours
History & Government Courses					ACCT 2103	Accounting I - Financial	3 hours
HIST 1483	American History to 1877	3 hours			COMM 1713	Intro to Oral Communication	3 hours
or HIST 1493	American History Since 1877						
POLI 1113	American Government	3 hours					
Humanities Courses				<b>Recommended Program Elective Courses</b>			
Electives 6 hours					ACCT 2203	Accounting II - Managerial	3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				*	AGRI 2303	Agriculture Leadership	3 hours
Mathematics Courses				*	AGRI 2123	Livestock Feeding	3 hours
MATH 1483	Math Functions	3 hours		*	AGRI 2124	Fund. of Soil Science	3 hours
or MATH 1513	Algebra for STEM				AGRI 2222	Live Animal Evaluation	2 hours
or MATH 2023	Elementary Statistics				AGRI 2523	Intro to Sheep Prod & Mgmt	3 hours
Science Courses					MATH 2023	Elementary Statistics	3 hours
BIOL 1114	General Biology	4 hours			MCOM 1013	Mass Communication	3 hours
or BIOL 1124	General Biology for Majors				MCOM 1113	Writing/Mass Media	3 hours
CHEM 1014	Concepts of Chemistry	4-5 hrs			MCOM 1123	News Report/Writing	3 hours
or CHEM 1315	General Chemistry I				MCOM 2013	Principles of Advertising	3 hours
Computer Science Courses					PRVD 2321	Professional Development	1 hour
BADM 1113	Digital/Financial Literacy	3 hours					
or	Other approved computer course						
Orientation Course							
ORNT 1101	Freshman Orientation	1 hour					
General Education Elective Courses 4 hours							
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.				*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.			

This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements. The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program. Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs. The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.

**Career Opportunities:** Marketing, Journalism, Agriculture Pharmaceutical Sales

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
or			CHEM	1014	Concepts in Chemistry
MATH	2023	Elementary Statistics	or		
BIOL	1114	General Biology	CHEM	1315	General Chemistry I
or			BADM	1113	Digital/Financial Literacy
BIOL	1124	General Biology for Majors	*	3 hours	Program/Gen Ed Electives
ORNT	1101	Freshman Orientation			
AGRI	1124	Intro to Animal Science			
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 15 credit hours			Total 16 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government		3 hours	Humanities Elective
	3 hours	Humanities Elective	ACCT	2103	Accounting I - Financial
AGRI	1113	Agricultural Economics	*	8 hours	Program/Gen Ed Electives
AGRI	1223	Intro to Plant/Soil Science			(2-3 courses)
COMM	1713	Intro to Oral Communication	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
			Hours from recommended program electives and general education elective may be combined for final 8 hours to graduate.		
Total 15 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degrees is offered only on the NOC Tonkawa campus.

Program Requirements 60 Total Credit Hours					
General Education Courses				37 Total Credit Hours	
				Program Requirement Courses	
				18 hours	
English Composition Courses				*	AGRI 1113 Agricultural Economics 3 hours
ENGL	1113	English Composition I	3 hours	*	AGRI 1124 Intro to Animal Science 4 hours
ENGL	1213	English Composition II	3 hours	*	AGRI 1223 Intro to Plant/Soil Science 3 hours
History & Government Courses				*	AGRI 2124 Fund. of Soil Science 4 hours
HIST	1483	American History to 1877	3 hours	*	BIOL 1314 General Botany 4 hours
or HIST	1493	American History Since 1877			
POLI	1113	American Government	3 hours		
Humanities Courses				Recommended Program Elective Courses	
Electives 6 hours				5 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				ACCT	2103 Accounting I - Financial 3 hours
				AGRI	1013 Introduction to Horticulture 3 hours
				*	AGRI 2303 Agriculture Leadership 3 hours
Mathematics Courses				*	AGRI 2123 Livestock Feeding 3 hours
MATH	1483	Math Functions	3 hours	AGRI	2222 Live Animal Evaluation 2 hours
or MATH	1513	Algebra for STEM		AGRI	2523 Intro to Sheep Prod & Mgmt 3 hours
Science Courses				*	BIOL 2024 Entomology 4 hours
BIOL	1114	General Biology	4 hours	CHEM	1414 General Chemistry II 4 hours
or BIOL	1124	General Biology for Majors		COMM	1713 Intro to Oral Communication 3 hours
CHEM	1014	Concepts of Chemistry	4-5 hrs	ESCI	1214 Earth Science 4 hours
or CHEM	1315	General Chemistry I		PRVD	1101 Intro to Research 1 hour
Computer Science Courses				PRVD	2321 Professional Development 1 hour
BADM	1113	Digital/Financial Literacy	3 hours		
or	Other approved computer course				
Orientation Course					
ORNT	1101	Freshman Orientation	1 hour		
General Education Elective Courses					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.				*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.	

This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements. The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program. Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs. The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.

**Career Opportunities:** Nursery or Landscape, Crop Production, Farming, Horticulture

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
BIOL	1114	General Biology	BADM	1113	Digital/Financial Literacy
or			CHEM	1315	General Chemistry I
BIOL	1124	General Biology for Majors	COMM	1713	Intro to Oral Communication
ORNT	1101	Freshman Orientation	*	3 hours	(Program Elective)
AGRI	1124	Intro to Animal Science	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 15 credit hours			Total 17 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government		3 hours	Humanities Elective
	3 hours	Humanities Elective	AGRI	2124	Fund. of Soil Science
AGRI	1113	Agricultural Economics	*	5 hours	Program/Gen Ed Electives
AGRI	1223	Intro to Plant/Soil Science			(2 courses)
BIOL	1314	General Botany	**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
			Hours from recommended program electives and general education electives may be combined for final 8 hours required o graduate.		
Total 16 credit hours			Total 12 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1513	Algebra for STEM	HIST	1483	American History to 1877
ORNT	1101	Freshman Orientation	or		
AGRI	1124	Intro to Animal Science	HIST	1493	American History Since 1877
BIOL	1124	General Biology for Majors	BADM	1113	Digital/Financial Literacy
or			CHEM	1315	General Chemistry I
BIOL	1114	General Biology		3 hours	(Program Elective)
Total: 15 credit hours			Total 17 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	Humanities Elective
	3 hours	Humanities Elective	BIOL	2124	Microbiology
AGRI	1113	Agricultural Economics	*	5 hours	Program/Gen Ed Electives
AGRI	1223	Intro to Plant/Soil Science			(2 courses)
CHEM	1414	General Chemistry II	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.  Hours from recommended program electives and general education electives may be combined for final 8 hours required to graduate		
Total 16 credit hours			Total 12 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses			23 hours
English Composition Courses					This degree program must be completed with the assistance of the graduation advisor to suit the individual student's needs. The credit hour requirements must be selected from the following academic divisions: Agricultural Sciences; Business; Fine Arts; Health, Physical Education, and Recreation; Language Arts; Nursing; Science, Math and Engineering; and Social Sciences.			
ENGL	1113	English Composition I	3 hours					
ENGL	1213	English Composition II	3 hours					
History & Government Courses								
HIST	1483	American History to 1877	3 hours					
or HIST	1493	American History Since 1877						
POLI	1113	American Government	3 hours					
Humanities Courses								
Electives			6 hours					
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.								
Mathematics Courses					DEVS 1112 World of Work (Recommended) 2 hours			
MATH	1493	Math Applications	3 hours					
or MATH	1483 or MATH 2023							
Science Courses								
One Science with Lab			4 hours					
One Science with Lab			4 hours					
Computer Science Courses								
BADM	1113	Digital/Financial Literacy	3 hours					
or	Other approved computer course							
Orientation Course								
ORNT	1101	Freshman Orientation	1 hour					
General Education Elective Course			4 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences								

The suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum.

Students should consult the university or college of choice and its catalog curriculum as they make plans on where to transfer. Care should be taken to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
BADM	1113	Digital/Financial Literacy	HIST	1483	American History to 1877
MATH	1493	Math Applications	or		
or			HIST	1493	American History Since 1877
MATH	1483 or MATH 2023			9 hours	General Ed/Program Courses
ORNT	1101	Freshman Orientation			
	3 hours	Humanities Elective			
DEVS	1112	World of Work			
Total: 15 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		4 hours	General Education Elective
	4 hours	Science Elective		3 hours	Humanities Elective
	9 hours	Program Requirement Courses		4 hours	Science Elective
				3 hours	Program Requirement Course
Total 16 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

The suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum.

The International studies degree, in general, provides students with a broad understanding of today's complex global environment. Many graduates are entering careers that are global in perspective and scope and employers have a strong desire to hire students that possess a historic and contemporary understanding of global culture, history, and behaviors.

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This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	POLI	1113	American Government
or	MATH 1483 or MATH 2023		HIST	1223	History of Modern World Civilization
ORNT	1101	Freshman Orientation		4 hours	Science Elective
HIST	1483	American History to 1877		3 hours	Program/Gen Ed. Electives
or					
HIST	1493	American History Since 1877			
	5 hours	Foreign Language			
		(Recommended Elective)			
Total: 15 credit hours			Total 16 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
HUMN	1113	World Religions		3 hours	Humanities Elective
	4 hours	Science Elective	GEOG	2253	World Regional Geography
BADM	1113	Digital/Financial Literacy	HIST	1113	History of Ancient World Civ.
HUMN	2113	Ancient Arts and Culture		4 hours	Program/General Ed. Electives
or					
HUMN	2223	Modern Arts and Culture			
	3 hours	Program/Gen Ed. Electives			
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				20 hours
English Composition Courses					*	BIOL	1314	General Botany	4 hours
ENGL	1113	English Composition I	3 hours		or	BIOL	1214	Environmental Science	
ENGL	1213	English Composition II	3 hours		*	BIOL	1414	General Zoology	4 hours
History & Government Courses						BIOL	2124	Microbiology	4 hours
HIST	1483	American History to 1877	3 hours			CHEM	1414	General Chemistry II	4 hours
or HIST	1493	American History Since 1877				PHYS	1114	General Physics I	4 hours
POLI	1113	American Government	3 hours						
Humanities Courses									
Electives			6 hours		Recommended Program Elective Courses				3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.						BIOL	1214	Environmental Science	4 hours
Mathematics Courses					*	BIOL	2024	Entomology	4 hours
MATH	1513	Algebra for STEM	3 hours			BIOL	2324	Comp Vertebrate Anatomy	4 hours
Science Courses					*	BIOL	2403	Intro to Wildlife Conservation	3 hours
BIOL	1124	Biology for Majors	4 hours			MATH	1613	Plane Trigonometry	3 hours
or BIOL	1114	General Biology				MATH	2023	Elementary Statistics	3 hours
CHEM	1315	General Chemistry I	5 hours			PHYS	1214	General Physics II	4 hours
Computer Science Courses						NUTR	2123	Intro to Human Nutrition	3 hours
BADM	1113	Digital/Financial Literacy	3 hours			HPET	2212	First Aid	2 hours
or	Other approved computer course					PRDV	1101	Intro to Research	1 hour
Orientation Course						PRDV	2321	Professional Development	1 hour
ORNT	1101	Freshman Orientation	1 hour						
General Education Elective Course			3 hours						
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly				

The Associate in Science degree program in Biological Sciences prepares students to transfer to a four-year university to pursue a bachelor's degree or entry into the field of life science.

Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.

**Career Opportunities:** Animal/Plant Production, Pre-Veterinary, Medical Assistant, Veterinary Assistant, Research Lab Assistant, Pharmaceutical Sales, Wildlife Technician, Wildlife Production

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
HIST	1483	American History to 1877	CHEM	1315	General Chemistry I
or			MATH	2023	Elementary Statistics
HIST	1493	American History Since 1877			(Recommended Program Elective)
MATH	1513	Algebra for STEM		3 hours	General Education Elective
BIOL	1124	Biology for Majors			
or					
BIOL	1114	General Biology			
BADM	1113	Digital/Financial Literacy			
ORNT	1101	Freshman Orientation			
Total: 17 credit hours			Total 14 credit hours		

### Year Two

Fall Semester			Spring Semester		
CHEM	1414	General Chemistry II	*BIOL	1414	General Zoology
	3 hours	Humanities Elective		3 hours	Humanities Elective
*BIOL	1314	General Botany	BIOL	2124	Microbiology
or			POLI	1113	American Government
*BIOL	1214	Environmental Science			
PHYS	1114	General Physics I			
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly		
Total 15 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours		Program Requirement Courses			20 hours	
English Composition Courses						BIOL	2104	Human Anatomy	4 hours	
ENGL		1113	English Composition I	3 hours		BIOL	2124	Microbiology	4 hours	
ENGL		1213	English Composition II	3 hours		CHEM	1414	General Chemistry II	4 hours	
History & Government Courses						PHYS	1114	General Physics I	4 hours	
HIST		1483	American History to 1877	3 hours		PHYS	1214	General Physics II	4 hours	
or	HIST		1493		American History Since 1877					
POLI		1113	American Government	3 hours						
Humanities Courses										
Electives				6 hours		Recommended Program Elective Courses			3 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.						BIOL	2204	Human Physiology	4 hours	
						COMM	1713	Intro to Oral Communication	3 hours	
Mathematics Courses						HPET	2212	First Aid	2 hours	
*MATH		1513	Algebra for STEM	3 hours		MATH	1613	Plane Trigonometry	3 hours	
Science Courses						NUTR	2123	Intro to Human Nutrition	3 hours	
BIOL		1124	Biology for Majors	4 hours		PRDV	1101	Intro to Research	1 hour	
or	BIOL		1114		General Biology	PRDV	2321	Professional Development	1 hour	
CHEM		1315	General Chemistry I	5 hours		PSYC	1113	General Psychology	3 hours	
Computer Science Courses						SOCI	1113	Principles of Sociology	3 hours	
BADM		1113	Digital/Financial Literacy	3 hours						
or	Other approved computer course									
Orientation Course										
ORNT		1101	Freshman Orientation	1 hour						
General Education Elective Course				3 hours						
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences										

The Pre-Medicine degree option is designed for the student whose goal is to be a medical doctor. Students wishing to go into a different medical field such as physical therapy should consult an academic advisor in pre-medicine about specific requirements.

Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.

**Career Opportunities:** Chiropractor, Dental Hygiene, Medical Doctor, Funeral Science, Nutrition, Occupational Therapist, Optometry, Osteopathic, Medical, Research, Physical Therapist, Wellness, Radiology/ Medical Imaging

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1513	Algebra for STEM	BADM	1113	Digital/Financial Literacy
POLI	1113	American Government	BIOL	2104	Human Anatomy
BIOL	1124	Biology for Majors	CHEM	1315	General Chemistry I
or					
BIOL	1114	General Biology			
	3 hours	Humanities Elective			
ORNT	1101	Freshman Orientation			
Total: 17 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
HIST	1483	American History to 1877		3 hours	Humanities Elective
or			PHYS	1214	General Physics II
HIST	1493	American History Since 1877		3 hours	General Education Elective
BIOL	2124	Microbiology		3 hours	Program Elective
CHEM	1414	General Chemistry II			
PHYS	1114	General Physics I			
Total 15 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses			19 hours	
English Composition Courses					BIOL	2104	Human Anatomy	4 hours	
ENGL	1113	English Composition I	3 hours	BIOL	2124	Microbiology	4 hours		
ENGL	1213	English Composition II	3 hours	CHEM	1414	General Chemistry II	4 hours		
History & Government Courses					*	MATH	2103	Elementary Calculus	3 hours
HIST	1483	American History to 1877	3 hours	PHYS	1114	General Physics I	4 hours		
or HIST	1493	American History Since 1877							
POLI	1113	American Government	3 hours						
Humanities Courses									
Electives			6 hours	Recommended Program Elective Courses			4 hours		
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					COMM	1713	Intro to Oral Communication	3 hours	
					ECON	2113	Macroeconomics	3 hours	
Mathematics Courses					MATH	2023	Elementary Statistics	3 hours	
MATH	1513	Algebra for STEM	3 hours	PRDV	1101	Intro to Research	1 hour		
Science Courses					PRDV	2321	Professional Development	1 hour	
BIOL	1124	Biology for Majors	4 hours	PSYC	1113	General Psychology	3 hours		
or BIOL	1114	General Biology							
CHEM	1315	General Chemistry I	5 hours						
Computer Science Courses									
BADM	1113	Digital/Financial Literacy	3 hours						
or	Other approved computer course								
Orientation Course									
ORNT	1101	Freshman Orientation	1 hour						
General Education Elective Course			3 hours						
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences. It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from overage hours taken from the Recommended Program electives below.					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Pharmacy.

Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.

**Career Opportunities:** Pharmaceutical Research, Pharmacy, Pharmaceutical Sales

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1513	Algebra for STEM	HIST	1483	American History to 1877
BIOL	1124	Biology for Majors	or		
or			HIST	1493	American History Since 1877
BIOL	1114	General Biology	BADM	1113	Digital/Financial Literacy
CHEM	1315	General Chemistry I	CHEM	1414	General Chemistry II
ORNT	1101	Freshman Orientation	*MATH	2103	Elementary Calculus
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 16 credit hours			Total 16 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	Humanities Elective
	3 hours	Humanities Elective	BIOL	2124	Microbiology
BIOL	2104	Human Anatomy	COMM	1713	Intro to Oral Communication
PHYS	1114	General Physics I			(Recommended Elective)
				4 hours	Program/Gen. Ed Electives
			Hours from recommended program electives and general education electives may be combined for final 6 hours required to graduate.		
Total 14 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 61 Total Credit Hours**

<b>General Education Courses</b>				<b>Program Requirement Courses</b>			
<b>37 Total Credit Hours</b>				<b>22 hours</b>			
English Composition Courses				ACCT	2103	Accounting I - Financial	3 hours
ENGL	1113	English Composition I	3 hours	ACCT	2203	Accounting II - Managerial	3 hours
ENGL	1213	English Composition II	3 hours	BADM	1103	Introduction to Business	3 hours
History & Government Courses				CMSC	2123	Business Tech & Application	3 hours
HIST	1483	American History to 1877	3 hours	ECON	2113	Macroeconomic Principles	3 hours
or HIST	1493	American History Since 1877		ECON	2123	Microeconomic Principles	3 hours
POLI	1113	American Government	3 hours	MATH	2023	Elementary Statistics	3 hours
Humanities Courses				PRDV	2321	Professional Development	1 hour
PHIL	2213	Ethics	3 hours				
or PHIL	2223	Business Ethics					
One course to be chosen from those listed with the International Dimension			3 hours				
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.							
Mathematics Courses							
MATH	1483	Math Functions	3 hours	BADM	2113	Business Communications	3 hours
or MATH	1513	Algebra for STEM		COMM	1713	Intro to Oral Communication	3 hours
Science Courses				MATH	2103	Elementary Calculus	3 hours
Two Sciences with labs			8 hours	MGMT	2240	Business Internship	3 hours
Computer Science Courses				MGMT	2263	Principles of Management	3 hours
BADM	1113	Digital/Financial Literacy	3 hours	MKTG	2143	Principles of Marketing	3 hours
or CMSC	1113	Computer Concepts					
Orientation Course							
ORNT	1101	Freshman Orientation	1 hour				
General Education Elective Course			4 hours				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences							

\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM and may take MATH 2023 Elem. Statistics or MATH 2103 Elem. Calculus. Students may use 1 gen ed elective hour in program elective.

The Associate in Science degree in Business Administration is designed to provide the student with the first two years of general requirements for transfer to a four-year institution. The suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Accounting, Business Administrator, Finance, Management

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions		3 hours	Gen Ed/Program Elective
or			CMSC	2123	Business Tech & Applications
MATH	1513	Algebra for STEM	MATH	2023	Elementary Statistics
ORNT	1101	Freshman Orientation		4 hours	Science Elective
BADM	1103	Introduction to Business			
	3 hours	Computer Science Elective			
HIST	1483	American History to 1877			
or					
HIST	1493	American History Since 1877			
Total: 16 credit hours			Total 16 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	International Humanities Elective
	3 hours	Gen Ed/Program Elective	ACCT	2203	Accounting II - Managerial
ACCT	2103	Accounting I - Financial	ECON	2113	Macroeconomic Principles
ECON	2123	Microeconomic Principles	PHIL	2213	Ethics
	4 hours	Science Elective (Biological or Physical)	or		
			PHIL	2223	Business Ethics
			PRDV	2321	Professional Development
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60-62 Total Credit Hours**

<b>General Education Courses</b>				<b>Program Requirement Courses</b>			
<b>37 Total Credit Hours</b>				<b>22 hours</b>			
English Composition Courses				ACCT	2103	Accounting I - Financial	3 hours
ENGL	1113	English Composition I	3 hours	ACCT	2203	Accounting II - Managerial	3 hours
ENGL	1213	English Composition II	3 hours	CMSC	2123	Business Tech & Application	3 hours
History & Government Courses				COMM	1713	Intro to Oral Communication	3 hours
HIST	1483	American History to 1877	3 hours	ECON	2113	Macroeconomic Principles	3 hours
or HIST	1493	American History Since 1877		ECON	2123	Microeconomic Principles	3 hours
POLI	1113	American Government	3 hours	GEOG	2253	World Regional Geography	3 hours
Humanities Courses				PRDV	2321	Professional Development	1 hour
PHIL	2213	Ethics	3 hours				
or PHIL	2223	Business Ethics					
GLBL	2133	Intro to Int'l Business Culture	3 hours				
Mathematics Courses							
MATH	1483	Math Functions	3 hours				
or *MATH	1513	Algebra for STEM					
Science Courses							
Two Sciences with labs			8 hours				
Computer Science Courses							
BADM	1113	Digital/Financial Literacy	3 hours				
or CMSC	1113	Computer Concepts					
Orientation Course							
ORNT	1101	Freshman Orientation	1 hour				
General Education Elective Course			4 hours				
(A foreign language course may be taken to meet the requirement below with fewer overall degree hours)							

\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus.

The Associate in Science degree program in Business Administration with an International Business Option is designed to provide the student with the first two years of general requirements to transfer to a four-year institution. The suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Accounting, Business Administrator, Finance, Management, International Business

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
ORNT	1101	Freshman Orientation	COMM	1713	Intro to Oral Communication
	3 hours	Computer Science Elective	CMSC	2123	Business Tech & Applications
	4 hours	Science Elective		4 hours	Program/Gen Ed. Elective
Total: 14 credit hours			Total 16 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government	GLBL	2133	Intro to International Business Culture
PHIL	2213	Ethics	ECON	2123	Microeconomic Principles
or			ACCT	2203	Accounting II - Managerial
PHIL	2223	Business Ethics	GEOG	2253	World Regional Geography
ACCT	2103	Accounting I - Financial		3 hours	Program/Gen Ed. Electives
ECON	2113	Macroeconomic Principles	PRDV	2321	Professional Development
	4 hours	Science Elective			
Total 16 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 61 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses			24-28 hrs	
English Composition Courses					ACCT	2103	Accounting I - Financial	3 hours	
	ENGL	1113	English Composition I	3 hours	ACCT	2203	Accounting II - Managerial	3 hours	
	ENGL	1213	English Composition II	3 hours	CMSC	2123	Business Tech & Application	3 hours	
History & Government Courses					**	CMSC	2203	Python Programming	3 hours
	HIST	1483	American History to 1877	3 hours	**	CMSC	2303	Java Programming	3 hours
or	HIST	1493	American History Since 1877		ECON	2123	Microeconomic Principles	3 hours	
	POLI	1113	American Government	3 hours	ECON	2113	Macroeconomic Principles	3 hours	
Humanities Courses					MATH	2023	Elementary Statistics	3 hours	
	PHIL	2213	Ethics	3 hours	**	MATH	2103	Elementary Calculus	3 hours
or	PHIL	2223	Business Ethics		or	MATH	or higher level MATH course		
One course to be chosen from those listed with the International Dimension				3 hours	PRDV	2321	Professional Development	1 hour	
Mathematics Courses									
	MATH	1483	Math Functions	3 hours					
or	*MATH	1513	Algebra for STEM						
Science Courses									
Two Sciences with labs				8 hours					
Computer Science Courses									
	BADM	1113	Digital/Financial Literacy	3 hours					
or	CMSC	1113	Computer Concepts						
Orientation Course									
	ORNT	1101	Freshman Orientation	1 hour					
General Education Elective Course				4 hours					
*Students can take MATH 2023 Elementary Statistics and PRDV 2321 Professional Development to fulfill the General Education Elective requirement and graduate with 61 hours.									

\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus.

The Associate in Science degree program in Business Administration with a Management Information Systems Option is designed to provide the student with the first two years of general requirements to transfer to a four-year institution. The suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Business Information System Analyst, Information Systems Specialist



This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	*MATH	2103	Elementary Calculus
or			or		Higher level MATH course
MATH	1513	Algebra for STEM	CMSC	2303	Java Programming
ORNT	1101	Freshman Orientation		4 hours	Science Elective
HIST	1483	American History to 1877			
or					
HIST	1493	American History Since 1877			
CMSC	2203	Python Programming			
	3 hours	Computer Science Elective			
Total: 16 credit hours			Total 13 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	International Humanities Elective
	4 hours	Science Elective	PHIL	2213	Ethics
ACCT	2103	Accounting I - Financial	or		
ECON	2123	Microeconomic Principles	PHIL	2223	Business Ethics
CMSC	2123	Business Tech & Applications	MATH	2023	Elementary Statistics
			ACCT	2203	Accounting II - Managerial
			ECON	2113	Macroeconomic Principles
			PRDV	2321	Professional Development
Total 16 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

<b>Program Requirements 61 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>37 Total Credit Hours</b>	<b>Program Requirement Courses</b>
<b>English Composition Courses</b>				<b>19 hours</b>
ENGL	1113	English Composition I	3 hours	** MATH 2144 Calculus I 4 hours
ENGL	1213	English Composition II	3 hours	** MATH 2154 Calculus II 4 hours
<b>History &amp; Government Courses</b>				** MATH 2164 Calculus II 4 hours
HIST	1483	American History to 1877	3 hours	PRDV 2321 Professional Development 1 hour
or HIST	1493	American History Since 1877		(6) hours of programming language chosen from 6 hours
POLI	1113	American Government	3 hours	the following or other pre-approved substitutions:
<b>Humanities Courses</b>				CMSC 1013 Visual Basic, CMSC 2203 Python, CMSC 2303 Java, CMSC 2313 Programming with C++
PHIL	2213	Ethics	3 hours	
or PHIL	2223	Business Ethics		
One course to be chosen from those listed with the International Dimension.			3 hours	
<b>Mathematics Courses</b>				
MATH	1513	Algebra for STEM	3 hours	
or MATH	1613	Plane Trigonometry		
(Note: Plane Trigonometry is strongly recommended because it must be taken as a pre-requisite before taking Calculus I)				
<b>Science Courses</b>				
Two Sciences with labs			8 hours	
<b>Computer Science Courses</b>				
BADM	1113	Digital/Financial Literacy	3 hours	
or CMSC	1113	Computer Concepts		
or Other approved computer course				
<b>Orientation Course</b>				
ORNT	1101	Freshman Orientation	1 hour	
<b>*General Education Elective Courses</b>			3-4 hrs	

<b>Recommended Program Elective Courses</b>			<b>5-6 hrs</b>
(Add 1-hr of Gen. Ed Elective hrs to above to take 2-courses)			
ACCT	2103	Accounting I - Financial	3 hours
or ACCT	2203	Accounting II - Managerial	
CMSC	2123	Business Tech & Application	3 hours
MATH	2023	Elementary Statistics	3 hours

\*Taking math class from recommended program electives can reduce hours here to graduate with 61 credits, or gen ed can be selected from courses in: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral Science, or Social Sciences.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Science degree in Computer Science is designed to provide the basic requirements for the first two years of the bachelor's degree in the area of computer science or information systems. The suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).

Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Programmer, Systems Analyst

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1613	Plane Trigonometry	*MATH	2144	Calculus I
		(fast-track if needed for placement)		3 hours	Computer Programming Language
ORNT	1101	Freshman Orientation		4 hours	Science Elective
POLI	1113	American Government			
CMSC	1113	Computer Concepts			
	3 hours	General Ed/Program Elective			
		(may be used for MATH 1513 if needed for placement)			
Total: 16 credit hours			Total 14 credit hours		

### Year Two

Fall Semester			Spring Semester		
	4 hours	Science Elective	HIST	1483	American History to 1877
*MATH	2154	Calculus II	or		
ACCT	2103	Accounting I - Financial	HIST	1493	American History Since 1877
or		Other Gen Ed/ Program Elective)		3 hours	International Humanities Elective
	3 hours	Computer Programming Language	*MATH	2164	Calculus III
PHIL	2213	Ethics		3 hours	Program/Gen Ed Elective
or			PRDV	2321	Professional Development
PHIL	2223	Business Ethics	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 17 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60-61 Total Credit Hours**

General Education Courses				36-37 Total Credit Hours	Program Requirement Courses			23 hours	
English Composition Courses					ACCT	2103	Accounting I - Financial	3 hours	
	ENGL	1113	English Composition I	3 hours	ACCT	2203	Accounting II - Managerial	3 hours	
	ENGL	1213	English Composition II	3 hours	MGMT	2240	Business Internship	3 hours	
	COMM	1713	Intro to Oral Communications	3 hours	**	MKTG	2143	Marketing	3 hours
History & Government Courses					BADM	2002	Business Seminar	2 hours	
	HIST	1483	American History to 1877	3 hours	ECON	2113	Macroeconomic Principles	3 hours	
or	HIST	1493	American History Since 1877		ECON	2123	Microeconomic Principles	3 hours	
	POLI	1113	American Government	3 hours	MATH	2023	Elementary Statistics	3 hours	
Humanities Courses					*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus.				
	Electives			6 hours					
Mathematics Courses					**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly				
	MATH	1493	Math Functions	3 hours					
or	MATH	1513	Algebra for STEM						
Science Courses									
	One Biological Science			4 hours					
	One Physical Science			3-4 hrs					
Technology and Language Courses									
	CMSC	1113	Computer Concepts	3 hours					
or	BADM	1113	Digital/Finance Literacy						
	World Language Elective			3 hours					

The Enterprise Development Business Administration Area of Emphasis is a flexible two-year degree in business that includes the most desirable core competencies requested by employers and provides a degree completion framework that matches student aspirations with the needs of all industry sectors. The number of expected openings for accounting and billing clerks alone, according to OESC, exceeds the projected number of Oklahoma two-year business graduates during the same period. This degree completion program provides a well-rounded degree program while allowing the student to focus on the knowledge, skills, and attributes needed in his or her chosen field. Offering undergraduates the opportunity to learn and practice core skills for business growth, become leaders in an organization, master key technology processes, and continually upgrade those skills throughout their working years is the central theme of the degree completion program.

This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The course in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. The community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. The general education core has a transfer guarantee between the community colleges and is also transferable to the research and regional Universities through the Course Equivalency Project.

The Business Division is accredited by the Accreditation Council for Business Schools and Programs (ACBSP). This degree program is not accredited by ACBSP.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	POLI	1113	American National Government
or			ACCT	2103	Accounting I - Financial
MATH	1513	Algebra for STEM	ECON	2113	Macroeconomic Principles
HIST	1483	American History to 1877	MKTG	2143	Marketing
or					
HIST	1493	American History since 1877			
	3 hours	Humanities Elective			
	3 hours	Computer Science Elective			
Total: 15 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
	3 hours	Humanities Elective		3 hours	Language Elective
	3 hours	Science Elective		4 hours	Science Elective
ACCT	2203	Accounting II - Managerial	MGMT	2240	Business Internship
ECON	2123	Microeconomic Principles	BADM	2002	Business Seminar
COMM	1713	Intro to Oral Communication	MATH	2023	Elementary Statistics
Total 15 credit hours			Total 15 credit hours		

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This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 60 Total Credit Hours</b>					
<b>General Education Courses</b>				<b>37 Total Credit Hours</b>	
				<b>Program Requirement Courses</b>	
				<b>23 hours</b>	
English Composition Courses				ACCT 2103	Accounting I - Financial 3 hours
ENGL 1113	English Composition I	3 hours		ACCT 2203	Accounting II - Managerial 3 hours
ENGL 1213	English Composition II	3 hours		BADM 2002	Business Seminar 2 hours
COMM 1713	Intro to Oral Communication	3 hours		MGMT 2240	Business Internship 3 hours
History & Government Courses				** MKTG 2413	Marketing 3 hours
HIST 1483	American History to 1877	3 hours		ECON 2113	Macroeconomics 3 hours
or HIST 1493	American History Since 1877			ECON 2123	Microeconomics 3 hours
POLI 1113	American Government	3 hours		MATH 2023	Elementary Statistics 3 hours
Humanities Courses					
Electives		6 hours			
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					
Mathematics Courses					
MATH 1483	Math Functions	3 hours			
or MATH 1513	Algebra for STEM				
Science Courses				*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus.	
One Biological Science		4 hours			
One Physical Science		3-4 hrs			
Technology and Language Courses				**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.	
CMSC 1113	Computer Concepts	3 hours			
or BADM 1113	Digital/Financial Literacy				
World Language Elective		3 hours			

The Enterprise Development Business Administration Area of Emphasis is a flexible two-year degree in business that includes the most desirable core competencies requested by employers and provides a degree completion framework that matches student aspirations with the needs of all industry sectors. The number of expected openings for accounting and billing clerks alone, according to OESC, exceeds the projected number of Oklahoma two-year business graduates during the same period. This degree completion program provides a well-rounded degree program while allowing the student to focus on the knowledge, skills, and attributes needed in his or her chosen field. Offering undergraduates the opportunity to learn and practice core skills for business growth, become leaders in an organization, master key technology processes, and continually upgrade those skills throughout their working years is the central theme of the degree completion program.

This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The course in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. The community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. The general education core has a transfer guarantee between the community colleges and is also transferable to the research and regional Universities through the Course Equivalency Project.

The Business Division is accredited by the Accreditation Council for Business Schools and Programs (ACBSP). This degree program is not accredited by ACBSP.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	POLI	1113	American National Government
or	1513	Algebra for STEM	ACCT	2103	Accounting I - Financial
HIST	1483	American History from 1877	ECON	2113	Macroeconomics
or	1493	American History since 1877	MKTG	2143	Marketing
	3 hours	Humanities Elective			
	3 hours	Computer Science Elective			
Total: 15 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
	3 hours	Humanities Elective		3 hours	Language Elective
	3 hours	Science Elective		4 hours	Science Elective
ACCT	2203	Accounting II - Managerial	MGMT	2240	Business Internship
ECON	2123	Microeconomics	BADM	2002	Business Seminar
COMM	1713	Intro to Oral Communications	MATH	2023	Elementary Statistics
Total 15 credit hours			Total 15 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours		Program Requirement Courses			20 hours		
English Composition Courses							HPET	1113	Nutrition	3 hours	
	ENGL	1113	English Composition I	3 hours			HPET	1132	Sports Officiating I	2 hours	
	ENGL	1213	English Composition II	3 hours	or	HPET	1142	Sports Officiating II			
History & Government Courses						**	HPET	2053	Introduction to Coaching	3 hours	
	HIST	1483	American History to 1877	3 hours			HPET	1223	Health Ed. & Wellness	3 hours	
or	HIST	1493	American History Since 1877				HPET	1950	Physical Ed Field Exp.	1 hour	
	POLI	1113	American Government	3 hours	**	HPET	1952	Intro to HPER	2 hours		
Humanities Courses							HPET	2212	First Aid	2 hours	
	Electives			6 hours		HPET	2633	Care & Prev of Ath Injuries	3 hours		
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.						Recommended Program Elective Courses			3-4 hours		
Mathematics Courses							BIOL	2214	Human Anatomy & Physio.	3-4 hours	
	MATH	1493	Math Applications	3 hours	or	BIOL	2104	Human Anatomy			
or	Other college-level math				or	PSYC	1113	General Psychology			
Science Courses						AND course not take above in program requirement choice:					
	Two Sciences with labs			8 hours		HPET	1132	Sports Officiating I	2 hours		
Computer Science Courses						or	HPET	1142	Sports Officiating II		
	BADM	1113	Digital/Financial Literacy	3 hours							
or	Other approved computer course										
Orientation Course											
	ORNT	1101	Freshman Orientation	1 hour							
General Education Elective Course				4 hours							
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences											

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Science degree in Health, Physical Education, and Recreation is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree.

Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.

**Career Opportunities:** Coach, Personal Trainer, Physical Education Instructor

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	HIST	1483	American History to 1877
or	Other college-level math		or		
ORNT	1101	Freshman Orientation	HIST	1493	American History from 1877
BADM	1113	Digital/Financial Literacy	HPET	1223	Health Education & Wellness
HPET	1132	Sports Officiating I	HPET	1113	Nutrition
or	1142	Sports Officiating II		3 hours	Humanities Elective
HPET	1952	Intro to HPE&R			
HPET	2212	First Aid			
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
	4 hours	General Education Electives	HPET	2053	Intro to Coaching
	4 hours	Science Elective	HPET	2633	Care & Prevention of Athletic Injuries
POLI	1113	American National Government		4 hours	Science Elective
*HPET	1950	Physical Education Field Experience		3 hours	Humanities Elective
	4 hours	Recommended Program Elective			
* Offered Fall semester in Enid, spring semester in Tonkawa					
Total 16 credit hours			Total 13 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				23 hours
English Composition Courses					*	BIOL	2104	Human Anatomy	4 hours
ENGL	1113	English Composition I		3 hours	*	BIOL	2204	Human Physiology	4 hours
ENGL	1213	English Composition II		3 hours	or	PHYS	1114	General Physics I	
History & Government Courses						HPET	1113	Nutrition	3 hours
HIST	1483	American History to 1877		3 hours		HPET	1223	Health Ed & Wellness	3 hours
or HIST	1493	American History Since 1877				HPET	2212	First Aid	2 hours
POLI	1113	American Government		3 hours	*	HPET	2382	Athletic Training- Pract. I	2 hours
Humanities Courses					*	HPET	2482	Athletic Training - Pract. II	2 hours
Electives				6 hours		HPET	2633	Care & Prevention of Athletic Injuries	3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					The first year will involve 75 to 85 hours of observation. The second year will involve 500 hours of clinical work.				
Mathematics Courses									
MATH	1513	Algebra for STEM		3 hours					
Science Courses									
BIOL	1114	General Biology		4 hours					
CHEM	1315	General Chemistry I		5 hours					
Computer Science Courses									
BADM	1113	Digital/Financial Literacy		3 hours					
or	Other approved computer course								
Orientation Course									
ORNT	1101	Freshman Orientation		1 hour					
General Education Elective Course				3 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

The Associate in Science degree in Athletic Training is designed to prepare students to pursue a bachelor's degree at a four-year institution.

Under the supervision of a licensed physician, the athletic trainer serves an important role in the health care system of recognizing, preventing, evaluating, managing, and rehabilitating sports injuries. Athletic Training is recognized by the American Medical Association as an allied health care profession. Specifically, the Athletic Trainer specializes in five practice areas: Prevention of athletic injuries; Recognition, evaluation, and immediate care of athletic injuries; Rehabilitation and reconditioning of athletic injuries; Health care administration; Education and counseling.

Students who desire to become candidates in Athletic Training are required to make a formal application to the Athletic Training department for admission to the program. This application must be submitted on or before April 15th and formal approval is required.

GPA and ACT composite scores are weighed heavily as acceptance is highly competitive.

**Career Opportunities:** Athletic Trainer, Physical Therapist, Strength & Conditioning



This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1513	Algebra for STEM	CHEM	1315	General Chemistry I
ORNT	1101	Freshman Orientation	HPET	2633	Care & Prevention of Athletic Injuries
BADM	1113	Digital & Financial Literacy		3 hours	General Education Electives
HPET	2212	First Aid			
BIOL	1114	General Biology			
Total: 16 credit hours			Total 14 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American National Government		3 hours	Humanities Elective
*BIOL	2104	Human Anatomy	HIST	1483	American History to 1877
HPET	1113	Nutrition	or		
*HPET	2382	Athletic Training Practicum I	HIST	1493	American History since 1877
	3 hours	Humanities Elective	*BIOL	2204	Human Physiology
			or		
			PHYS	1114	General Physics I
			HPET	1223	Health Education & Wellness
			*HPET	2482	Athletic Training Practicum II
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 15 credit hours			Total 15 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.





This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

<b>General Education Courses</b>				<b>Program Requirement Courses</b>			
<b>37 Total Credit Hours</b>				<b>21 hours</b>			
English Composition Courses				HPET 1113	Nutrition		3 hours
ENGL 1113	English Composition I	3 hours		HPET 1223	Health Ed. & Wellness		3 hours
ENGL 1213	English Composition II	3 hours		* HPET 1232	Personal Training Pract. I		2 hours
History & Government Courses				* HPET 1233	Intro to Personal Training I		3 hours
HIST 1483	American History to 1877	3 hours		* HPET 1242	Personal Training Pract. II		2 hours
or HIST 1493	American History Since 1877			* HPET 1243	Intro to Personal Training II		3 hours
POLI 1113	American Government	3 hours		HPET 2212	First Aid		2 hours
Humanities Courses				HPET 2633	Care & Prevention of		3 hours
Elective		6 hours			Athletic Injuries		
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.							
Mathematics Courses				<b>Recommended Program Elective Course</b>			
MATH 1493	Math Applications	3 hours		* HPET 1952	Intro to HPE&R		2 hours
or Other college-level math				Students may replace this class with an additional two hours of general education electives.			
Science Courses							
BIOL 1114	General Biology	4 hours					
BIOL 2104	Human Anatomy	4 hours					
Computer Science Courses							
CMSC 1113	Computer Concepts	3 hours					
or BADM 1113	Digital/Financial Literacy	3 hours					
or Other approved computer course							
Orientation Course							
ORNT 1101	Freshman Orientation	1 hour					
General Education Elective Course							
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences							

\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Science degree in Health, Physical, Education, and Recreation is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree.

Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.

**Career Opportunities:** Coach, Personal Trainer, Physical Education Instructor



This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
CMSC	1113	Computer Concepts	MATH	1493	Math Applications
or			or		Other college-level math
BADM	1113	Digital/Financial Literacy	BIOL	1114	General Biology
ORNT	1101	Freshman Orientation	*HPET	1243	Intro to Personal Training II
*HPET	1233	Intro to Personal Training I	*HPET	1242	Personal Training Practicum II
*HPET	1232	Personal Training -Practicum I			
HPET	2212	First Aid			
HPET	1952	Intro to HPER			
		(Recommended Program Elective)			
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
HIST	1483	American History to 1877	POLI	1113	American Government
or				3 hours	Humanities Elective
HIST	1493	American History since 1877	HPET	1223	Health Ed & Wellness
BIOL	2104	Human Anatomy	HPET	1113	Nutrition
HPET	2633	Care & Prevention of Athletic Injuries		2 hours	General Education Elective
	3 hours	Humanities Elective	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
	2 hours	General Education Electives			
Total 15 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				22 hours
English Composition Courses						MATH	1613	Plane Trigonometry	3 hours
ENGL	1113	English Composition I		3 hours	*	MATH	2144	Calculus I	4 hours
ENGL	1213	English Composition II		3 hours	*	MATH	2154	Calculus II	4 hours
History & Government Courses					*	MATH	2164	Calculus III	4 hours
HIST	1483	American History to 1877		3 hours	*	MATH	2613	Differential Equations	3 hours
or HIST	1493	American History Since 1877			*	PHYS	2014	Engineering Physics I	4 hours
POLI	1113	American Government		3 hours	or	PHYS	1114	General Physics I	
Humanities Courses									
Elective				6 hours	Recommended Program Elective Courses				1 hour
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					(Combine with Gen Ed. hours to choose 4 hours)				
Mathematics Courses					Select course from: Computer science, Physics, Statistics and Engineering.				
MATH	1513	Algebra for STEM		3 hours					
Science Courses									
CHEM	1315	General Chemistry I		5 hours					
One Additional Science with Lab				4 hours					
Computer Science Courses									
BADM	1113	Digital/Financial Literacy		3 hours					
or	Other approved computer course								
Orientation Course									
ORNT	1101	Freshman Orientation		1 hour					
General Education Elective Course				3 hours	*These program courses are typically offered only once a year.				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					See course descriptions for fall or spring designations and plan accordingly.				

The Associate in Science degree in Mathematics and Physical Science is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree. Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ORNT	1101	Freshman Orientation	HIST	1483	American History to 1877
**MATH	1613	Plane Trigonometry	or		
*CHEM	1314	General Chemistry I	HIST	1493	American History Since 1877
MATH	1513	Algebra for STEM - if ACT score requires it	*MATH	2144	Calculus I
		or Additional Program Elective	PHYS	2014	Engineering Physics I
BADM	1113	Digital/Financial Literacy	or		
			PHYS	1114	General Physics I
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 17 credit hours			Total 14 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	*MATH	2164	Calculus III
*MATH	2154	Calculus II	*MATH	2613	Differential Equations
	3 hours	Humanities Elective		3 hours	Humanities Elective
	4 hours	Science Elective		6 hours	Program Electives
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 14 credit hours			Total 16 credit hours		

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid campuses only.

<b>Program Requirements 60 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>37 Total Credit Hours</b>	
			<b>Program Requirement Courses</b>	
			<b>19 hours</b>	
English Composition Courses			ASTR 1014	Survey of Astronomy 4 hours
ENGL 1113	English Composition I	3 hours	MATH 1613	Plane Trigonometry 3 hours
ENGL 1213	English Composition II	3 hours	* MATH 2144	Calculus I 4 hours
History & Government Courses			* MATH 2154	Calculus II 4 hours
HIST 1483	American History to 1877	3 hours	* MATH 2164	Calculus III 4 hours
or HIST 1493	American History Since 1877			
POLI 1113	American Government	3 hours		
Humanities Courses				
Elective		6 hours	<b>Recommended Program Elective Courses 4 hours</b>	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.			(Combine with Gen. Ed hours to choose 7 hours)	
Mathematics Courses			* ASTR 2513	Observatory Methods 3 hours
MATH 1513	Algebra for STEM	3 hours	* PHYS 1114	Physics I 4 hours
Science Courses			* PHYS 1214	Physics II 4 hours
ESCI 1214	Earth Science	4 hours	or ENGR 2114	Engineering Physics II
CHEM 1315	General Chemistry I	5 hours		
Computer Science Courses				
BADM 1113	Digital/Financial Literacy	3 hours		
or Other approved computer course				
Orientation Course				
ORNT 1101	Freshman Orientation	1 hour		
General Education Elective Course				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.	

The Associate in Science degree in Mathematics and Physical Science is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree. Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ORNT	1101	Freshman Orientation	*MATH	2144	Calculus I
**MATH	1513	Algebra for STEM	*ENGR	1114	Engineering Physics I
**MATH	1613	Plane Trigonometry			(Recommended Elective)
CHEM	1315	General Chemistry I	ESCI	1214	Earth Science
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 15 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government	HIST	1483	American History to 1877
BADM	1113	Digital/Financial Literacy	or		
*ENGR	2114	Engineering Physics II	HIST	1493	American History Since 1877
		(Recommended Elective)	*MATH	2164	Calculus III
*MATH	2154	Calculus II		6 hours	Humanities Elective
ASTR	1014	Survey of Astronomy	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 18 credit hours			Total 13 credit hours		

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				20 hours
English Composition Courses					*	PHYS	2014	Engineering Physics I	4 hours
ENGL	1113	English Composition I		3 hours		MATH	1613	Plane Trigonometry	3 hours
ENGL	1213	English Composition II		3 hours	*	MATH	2144	Calculus I	4 hours
History & Government Courses					*	MATH	2154	Calculus II	4 hours
HIST	1483	American History to 1877		3 hours	*	MATH	2164	Calculus III	4 hours
or HIST	1493	American History Since 1877				PRDV	2321	Professional Development	1 hour
POLI	1113	American Government		3 hours					
Humanities Courses									
Electives				6 hours	Recommended Program Elective Courses				3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					(Combine with Gen Ed. hours to choose 6 hours)				
Mathematics Courses						BIOL	1114	General Biology	4 hours
MATH	1513	Algebra for STEM		3 hours		BIOL	1314	General Botany	4 hours
Science Courses						BIOL	2124	Microbiology	4 hours
CHEM	1315	General Chemistry I		5 hours		BIOL	1214	Environmental Science	4 hours
CHEM	1414	General Chemistry II		4 hours		ENGL	1223	Technical Writing	3 hours
Computer Science Courses					*	MATH	2613	Differential Equations	3 hours
BADM	1113	Digital/Financial Literacy		3 hours	*	PHYS	2114	Engineering Physics II	4 hours
or	Other approved computer course				Programming Language Course(s)				3 hours
Orientation Course									
ORNT	1101	Freshman Orientation		1 hour					
General Education Elective Course				3 hours	*These program courses are typically offered only once a year.				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					See course descriptions for fall or spring designations and plan accordingly. Some degrees allow General Physics to substitute for Engineering Physics; check with your advisor.				

The Chemistry/Physics degree option prepares students to transfer to a four-year university to pursue a bachelor's degree. The program is an excellent starting place for students considering careers in research, medicine, or academia.

Students transferring should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.

**Career Opportunities:** Entry-Level Scientist, Biotechnology, High School Science, Teacher, Meteorologist, Geologist, Laboratory Chemist

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ORNT	1101	Freshman Orientation	PHYS	2014	Engineering Physics I
**MATH	1513	Algebra for STEM	CHEM	1414	General Chemistry II
**MATH	1613	Plane Trigonometry	*MATH	2144	Calculus I
CHEM	1315	General Chemistry I			
HIST	1483	American History to 1877	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
or					
HIST	1493	American History Since 1877			
Total: 18 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
BADM	1113	Digital/Financial Literacy	POLI	1113	American Government
*MATH	2154	Calculus II		3 hours	Humanities Elective
		Program/Gen Ed. Elective:	*MATH	2164	Calculus III
*MATH	2613	Differential Equations		3 hours	Program/Gen Ed. Elective
or			PRDV	2321	Professional Development
PHYS	2114	Engineering Physics II			
		(Recommended Elective)	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
	3 hours	Humanities Elective			
Total 13-14 credit hours			Total 14 credit hours		

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				18 hours
English Composition Courses						MATH	1613	Plane Trigonometry	3 hours
ENGL	1113	English Composition I		3 hours	*	MATH	2144	Calculus I	4 hours
ENGL	1213	English Composition II		3 hours	*	MATH	2154	Calculus II	4 hours
History & Government Courses					*	MATH	2164	Calculus III	4 hours
HIST	1483	American History to 1877		3 hours	*	MATH	2613	Differential Equations	3 hours
or	HIST	1493	American History Since 1877						
POLI	1113	American Government		3 hours					
Humanities Courses									
Electives				6 hours	Recommended Program Elective Courses				5 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					(Combine with Gen Ed. Hours to choose 8 hours)				
Mathematics Courses					Select course from Computer Science, Physics and Statistics				
MATH	1513	Algebra for STEM		3 hours					
Science Courses									
One Biological Science with Lab				4 hours					
One Physical or Biological Science with Lab				4 hours					
Computer Science Courses									
BADM	1113	Digital/Financial Literacy		3 hours					
or	Other approved computer course								
Orientation Course									
ORNT	1101	Freshman Orientation		1 hour					
General Education Elective Course				4 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

The Mathematics degree option is designed to prepare students to transfer to a four-university to pursue a bachelor's degree.

Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.

**Career Opportunities:** Math Education, Mathematician, Scientist

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
BADM	1113	Digital/Financial	HIST	1483	American History to 1877
ORNT	1101	Freshman Orientation	or		
**MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
**MATH	1613	Plane Trigonometry	*MATH	2144	Calculus I
	3 hours	Humanities Elective		4 hours	Science Elective (Biological or Physical)
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 16 credit hours			Total 14 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	*MATH	2164	Calculus III
	4 hours	Science Elective (Biological or Physical)	*MATH	2613	Differential Equations
	3 hours	Humanities Elective		6 hours	General Ed/Program Electives
*MATH	2154	Calculus II	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
	3 hours	Program Elective			
Total 17 credit hours			Total 13 credit hours		

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				20 hours
English Composition Courses						MATH	1613	Plane Trigonometry	3 hours
ENGL	1113	English Composition I		3 hours	**	MATH	2144	Calculus I	4 hours
ENGL	1213	English Composition II		3 hours	**	MATH	2154	Calculus II	4 hours
History & Government Courses					**	MATH	2164	Calculus III	4 hours
HIST	1483	American History to 1877		3 hours	**	ENGR	1111	Intro to Engineering	1 hour
or HIST	1493	American History Since 1877				PHYS	2114	Engineering Physics II	4 hours
POLI	1113	American Government		3 hours	or	PHYS	1214	General Physics II	
Humanities Courses									
Electives				6 hours	Recommended Program Elective Courses				3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					(Combine with Gen Ed. Hours to choose 6 hours)				
					**	MATH	2613	Differential Equations	3 hours
Mathematics Courses						BIOL	1114	General Biology	4 hours
MATH	1513	Algebra for STEM		3 hours		BIOL	2124	Microbiology	4 hours
Science Courses						ENGL	1223	Technical Writing	3 hours
* CHEM	1515	Chemistry for Engineers		5 hours		COMM	1713	Intro to Oral Communication	3 hours
PHYS	2014	Engineering Physics I		4 hours					
or PHYS	1114	General Physics I							
Computer Science Courses									
BADM	1113	Digital/Financial Literacy		3 hours					
or	Other approved computer course								
Orientation Course					* CHEM 1515 can be substituted for CHEM 1315 and CHEM 1414 if the classes are not offered on that campus.				
ORNT	1101	Freshman Orientation		1 hour					
General Education Elective Course				3 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

The Mathematics degree option is designed to prepare students to transfer to a four-university to pursue a bachelor's degree.

Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.

**Career Opportunities:** Math Education, Mathematician, Scientist

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ORNT	1101	Freshman Orientation	HIST	1483	American History to 1877
**MATH	1613	Plane Trigonometry	or		
CHEM	1515	Chemistry for Engineers	HIST	1493	American History Since 1877
**MATH	1513	Algebra for STEM -If ACT score requires it	*MATH	2144	Calculus I
		or Additional Program Elective	BADM	1113	Digital/Financial Literacy
*ENRG	1111	Intro To Engineering	PHYS	2014	Engineering Physics I
			PRDV	2321	Professional Development
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 16 credit hours			Total 18 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	*MATH	2164	Calculus III
PHYS	2114	Engineering Physics II		3 hours	Humanities Elective
	3 hours	Humanities Elective		6 hours	Program Electives
*MATH	2154	Calculus II	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 14 credit hours			Total 13 credit hours		

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses			20 hours
English Composition Courses					MATH	1613	Plane Trigonometry	3 hours
ENGL	1113	English Composition I	3 hours	**	MATH	2144	Calculus I	4 hours
ENGL	1213	English Composition II	3 hours	**	MATH	2154	Calculus II	4 hours
History & Government Courses				**	MATH	2164	Calculus III	4 hours
HIST	1483	American History to 1877	3 hours	PRDV	2321	Professional Development	1 hour	
or HIST	1493	American History Since 1877		PHYS	2114	Engineering Physics II	4 hours	
POLI	1113	American Government	3 hours					
Humanities Courses								
Electives			6 hours	Recommended Program Elective Courses			3 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				(Combine with Gen Ed. Hours to choose 6 hours)				
Mathematics Courses				ESCI	1214	Earth Science	4 hours	
MATH	1513	Algebra for STEM	3 hours	BIOL	1314	General Botany	4 hours	
Science Courses				BIOL	1414	General Zoology	4 hours	
* CHEM	1515	Chemistry for Engineers	5 hours	COMM	1713	Intro to Oral Communication	3 hours	
PHYS	2014	Engineering Physics I	4 hours	ENGL	1223	Technical Writing	3 hours	
Computer Science Courses				MCOM	1113	Writing for Mass Media	3 hours	
BADM	1113	Digital/Financial Literacy	3 hours	Additional Programming Language			3 hours	
or Other approved computer course				BIOL	1114	General Biology	4 hours	
Orientation Course				BIOL	2124	Microbiology	4 hours	
ORNT	1101	Freshman Orientation	1 hour	* CHEM 1515 can be substituted for CHEM 1315 and CHEM 1414 if the classes are not offered on that campus.				
General Education Elective Course			3 hours	**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences								

The Mathematics degree option is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree. Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.

**Career Opportunities:** Meteorology, Math Education, Mathematician, Scientist

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ORNT	1101	Freshman Orientation	HIST	1483	American History to 1877
**MATH	1613	Plane Trigonometry	or		
CHEM	1515	Chemistry for Engineers	HIST	1493	American History Since 1877
**MATH	1513	Algebra for STEM -If ACT score requires it	*MATH	2144	Calculus I
		or Additional Program Elective	BADM	1113	Digital/Financial Literacy
			PHYS	2014	Engineering Physics I
			PRDV	2321	Professional Development
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 15 credit hours			Total 18 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	*MATH	2164	Calculus III
PHYS	2114	Engineering Physics II		3 hours	Humanities Elective
	3 hours	Humanities Elective		6 hours	Program Electives
*MATH	2154	Calculus II	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 14 credit hours			Total 13 credit hours		

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses			19 hours
English Composition Courses					MATH	1613	Plane Trigonometry	3 hours
ENGL	1113	English Composition I	3 hours	**	MATH	2144	Calculus I	4 hours
ENGL	1213	English Composition II	3 hours	**	MATH	2154	Calculus II	4 hours
History & Government Courses				**	MATH	2164	Calculus III	4 hours
HIST	1483	American History to 1877	3 hours	**	PHYS	2114	Engineering Physics II	4 hours
or HIST	1493	American History Since 1877						
POLI	1113	American Government	3 hours					
Humanities Courses								
Electives			6 hours	Recommended Program Elective Courses			4 hours	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				(Combine with Gen Ed. Hours to choose 7 hours)				
Mathematics Courses					ENGR	1223	Technical Writing	3 hours
MATH	1513	Algebra for STEM	3 hours		ENGR	1111	Intro to Engineering	1 hour
				**	ENGR	2113	Statics	3 hours
Science Courses				**	ENGR	2443	Thermodynamics	3 hours
* CHEM	1515	Chemistry for Engineers	5 hours	**	MATH	2163	Differential Equations	3 hours
PHYS	2014	Engineering Physics I	4 hours		BIOL	1114	General Biology	4 hours
Computer Science Courses					PHIL	2223	Business Ethics	3 hours
CMSC	1013	Visual BASIC	3 hours					
or	Other approved computer course							
Orientation Course								
ORNT	1101	Freshman Orientation	1 hour	* CHEM 1515 can be substituted for CHEM 1315 and CHEM 1414 if the classes are not offered on that campus.				
General Education Elective Course			3 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences				**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.

The Pre-Engineering degree option is designed to transfer into all disciplines of engineering. It is important to secure a catalog from the engineering school to transfer so you may select the courses to meet the requirements needed to obtain the bachelor's degree you choose. The program features small class size and individual attention for this challenging degree.

**Career Opportunities:** Architect/Designer, Aerospace, Agriculture, Biosystems Engineer, Chemical Engineer, Construction Technology, Civil Engineer, Electrical Engineer, Environmental Engineer, Mechanical Engineer, Meteorology, Metallurgical Engineer, Petroleum Engineer

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ENGR	1111	Introduction to Engineering	HIST	1483	American History to 1877
CHEM	1515	Chemistry for Engineers	or		
ORNT	1101	Freshman Orientation	HIST	1493	American History Since 1877
**MATH	1513	Algebra for STEM -If ACT score requires it	*MATH	2144	Calculus I
		or Program Elective	*PHYS	2014	Engineering Physics I
**MATH	1613	Plane Trigonometry		3 hours	Computer Science Course
Total: 16 credit hours			Total 17 credit hours		

### Year Two

Fall Semester			Spring Semester		
ENGR	2443	Thermodynamics	*MATH	2164	Calculus III
PHYS	2114	Engineering Physics II	POLI	1113	American Government
	3 hours	Humanities Elective		Program Elective Recommended:	
*MATH	2154	Calculus II	ENGR	2113	Statics
			or		
			*MATH	2613	Differential Equations
				3 hours	Humanities Elective
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 14 credit hours			Total 13 credit hours		

#### Suggested NOC courses for specific engineering disciplines:

ENGR 2123 Dynamics 3 hours

#### BIOSYSTEMS AGRICULTURAL:

BIOL 2124 Microbiology 4 hours

BIOL 1414 General Zoology 4 hours

Students need to consult with the engineering school of interest for Chemistry and Biology requirements.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 61 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses				18 hours
English Composition Courses					*	BIOL	2104	Human Anatomy	4 hours
ENGL	1113	English Composition I	3 hours		or	BIOL	2214	Human Anat. & Physiology	
ENGL	1213	English Composition II	3 hours		*	BIOL	2204	Human Physiology	4 hours
History & Government Courses						BIOL	2124	Microbiology	4 hours
HIST	1483	American History to 1877	3 hours			PSYC	1113	General Psychology	3 hours
or HIST	1493	American History Since 1877				SOCI	1113	Principles of Sociology	3 hours
POLI	1113	American Government	3 hours						
Humanities Courses									
Electives			6 hours		Recommended Program Elective Courses				6 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					(Combine with Gen Ed. Hours to choose 9 hours)				
						NUTR	2123	Intro to Human Nutrition	3 hours
Mathematics Courses						MATH	2023	Elementary Statistics	3 hours
MATH	1483	Math Functions	3 hours			HLTH	1113	Medical Terminology	3 hours
Science Courses					Consult transfer guidelines for specific institutions to identify other recommended electives.				
BIOL	1114	General Biology I	4 hours						
or BIOL	1124	Biology for Majors							
CHEM	1315	General Chemistry I	5 hours						
Computer Science Courses									
BADM	1113	Digital/Financial Literacy	3 hours						
or	Other approved computer course								
Orientation Course									
ORNT	1101	Freshman Orientation	1 hour						
General Education Elective Course			3 hours						
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Nursing.

Graduates of this program may not be able to transfer directly to a junior year Bachelor's degree in Nursing. Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree. Any student interested in nursing can join the Student Nurses Association, both local and national.

**Career Opportunities:** Nursing

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	HIST	1483	American History to 1877
BIOL	1114	General Biology	or		
or			HIST	1493	American History Since 1877
BIOL	1124	Biology for Majors	CHEM	1315	General Chemistry I
ORNT	1101	Freshman Orientation	PSYC	1113	General Psychology
HLTH	1113	Medical Terminology			
		(Recommended Program Elective)			
Total: 14 credit hours			Total 14 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government		3 hours	Humanities Elective
PHIL	2213	Ethics	BIOL	2124	Microbiology
BIOL	2104	Human Anatomy	SOCI	1113	Principles of Sociology
BIOL	2204	Human Physiology	NUTR	2123	Intro to Human Nutrition
BADM	1113	Digital/Financial Literacy			(Gen Ed/Program Elective)
			MATH	2023	Elementary Statistics
					(Recommended Program Elective)
Total 17 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.





## **ASSOCIATE IN APPLIED SCIENCE DEGREES**

(Individual degree sheets follow listing below)

**APPLIED TECHNOLOGY—INDUSTRY CERTIFICATIONS OPTION**

**APPLIED TECHNOLOGY—MILITARY SERVICES OPTION**

**BUSINESS MANAGEMENT**

**BUSINESS MANAGEMENT, ACCOUNTING OPTION**

**BUSINESS MANAGEMENT—ENTREPRENEURSHIP OPTION**

**BUSINESS MANAGEMENT—HOSPITALITY OPTION**

**DIGITAL MEDIA ANIMATION AND DESIGN**

**ELECTRONICS TECHNOLOGY--WIND ENERGY OPTION**

**ENGINEERING AND INDUSTRIAL TECHNOLOGY—POWER GENERATION OPTION**

**ENGINEERING AND INDUSTRIAL TECHNOLOGY—PROCESS TECHNOLOGY OPTION**

**NURSING, REGISTERED NURSE (RN)**

**OFFICE MANAGEMENT**

**RESPIRATORY CARE**

## **CERTIFICATES**

(Individual degree sheet follows listing below)

**PRACTICAL NURSE ELIGIBILITY CERTIFICATE**

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

Program Requirements 60 Total Credit Hours				
Required General Education Courses 12 Total Credit Hrs				Business Focus
English Composition Courses				
ENGL	1113	English Composition I	3 hours	BADM 1103 Intro to Business 3 hours
ENGL	1213	English Composition II	3 hours	CMSC 2123 Business Tech 3 hours
or ENGL	1223	Tech Writing		ECON 2113 Macroeconomics 3 hours
or COMM	1713	Oral Communication		COMM 1713 Oral Communication 3 hours
History & Government Courses				ACCT 2123 Microcomputer Accounting 3 hours
HIST	1483	American History to 1877	3 hours	ACCT 1203 Fundamentals of Accounting 3 hours
or HIST	1493	American History Since 1877		
POLI	1113	American Government	3 hours	ACCT 1133 Payroll Accounting 3 hours
General Foucs				Allied Health Focus
HUMN	1133	World Religions		BIOL 1114 General Biology 4 hours
HUMN	2223	Modern Arts & Culture		BIOL 2214 Anatomy & Physiology 4 hours
GEOG	2253	World Regional Geography		HLTH 1113 Medical Terminology 3 hours
PHIL	2213	Ethics		PSYC 1113 General Psychology 3 hours
PHIL	2223	Business Ethics		SOCI 1113 Principles of Sociology 3 hours
PSYC	1113	General Psychology		
SOCI	1113	Principles of Sociology		
SOCI	2223	Social Problems		
				Experiential Technical Training & Certifications Accepted from Career Technical Schools 15-45 Hours
				Agriculture 15-30 hrs
				Aerospace/Aviation 15-30 hrs
				Architecture and Construction 15-30 hrs
				Business Services 15-30 hrs
				Digital Media/Graphic Design 15-30 hrs
				Energy, Electronics and Engineering Tech. 15-30 hrs
				Health and Human Services 15-45 hrs
				Information Technology 15-30 hrs
				Manufacturing 15-30 hrs
				Public Safety/Services 15-30 hrs
				Transportation, Distribution and Logistics 15-30 hrs

The purpose of the Associate in Applied Science in Applied Technology – Industry Certifications Option.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 60 Total Credit Hours</b>				
<b>General Education Courses</b>		<b>18 Total Credit Hours</b>		<b>World Geography Courses</b>
English Composition Courses				(Choose one of the following)
ENGL	1113	English Composition I	3 hours	GEOG 2253 World Regional Geography
ENGL	1213	English Composition II	3 hours	HIST 1223 History of Modern World Civilizations
History & Government Courses				HIST 1713 History of Eastern Civilization
HIST	1483	American History to 1877	3 hours	GLBL International Internship in World Geography
or HIST	1493	American History Since 1877		
POLI	1113	American Government	3 hours	
Mathematics Courses				
MATH	1493	Math Applications	3 hours	
or MATH	1513	Algebra for STEM		
Computer Science Courses				
BADM	1113	Digital/Financial Literacy	3 hours	
or	Other approved computer course			
<b>Guided Elective Courses</b>		<b>12 Total Credit Hours</b>		<b>World Value &amp; Choices Courses</b>
<b>World Culture Courses</b>		<b>6 hours</b>		(Choose one of the following)
(Choose two of the following)				PHIL 2213 Ethics
ARTS	1113	World Art		PHIL 2223 Business Ethics
HUMN	1133	World Religions		PSYC 1113 General Psychology
HUMN	2113	Ancient Arts & Culture		SOCI 1113 Principles of Sociology
HUMN	2223	Modern Arts & Culture		SOCI 2223 Social Problems
ENGL	2113	World Literature to 1650		GLBL 2443 International Internship in World Values & Choices
ENGL	2223	World Literature Since 1650		
MUSC	1113	Appreciation of International		
GLBL	2243	International Internship in		
World Cultures				
Any course with GLBL (Global Studies) prefix				
				<b>Select one additional course from any of the Guided Elective Courses</b>
				<b>Experiential Technical Training Accepted from the Military</b>
				<b>30 -42 Hours</b>

The purpose of the Associate in Applied Science in Applied Technology – Military Services Option is to provide an avenue through which members of the Armed Forces may apply experiential training earned while on active duty within one of the branches of the U.S. Military toward degree completion.

Students will be requested to provide an official transcript from their respective branch of service.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 62 Total Credit Hours</b>				
<b>General Education Courses</b>		<b>22 Total Credit Hours</b>		<b>Program Requirement Courses</b>
English Composition Courses				<b>19 hours</b>
ENGL	1113	English Composition I	3 hours	* ACCT 2123 Computer Accounting I 3 hours
ENGL	1213	English Composition II	3 hours	ACCT 2203 Accounting II - Managerial 3 hours
or	BADM	2113	Business Communication	* BADM 2313 Business Law 3 hours
History & Government Courses				ECON 2113 Macroeconomic Principles 3 hours
HIST	1483	American History to 1877	3 hours	* MKTG 2143 Marketing 3 hours
or	HIST	1493	American History Since 1877	PHIL 2223 Business Ethics 3 hours
	POLI	1113	American Government	3 hours
Mathematics Courses				PRDV 2321 Professional Development 1 hour
MATH	1483	Math Functions	3 hours	
or	Higher level math			
Computer Science Courses				
BADM	1113	Digital/Financial Literacy	3 hours	
or	CMSC	1113	Computer Concepts	
or	Other approved computer course			
Orientation Course				
ORNT	1101	Freshman Orientation	1 hour	
General Education Elective Course			3 hours	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences				
<b>Business Core Requirement Courses</b>		<b>18 hours</b>		<b>Recommended Program Elective Courses</b>
ACCT	2103	Accounting I - Financial	3 hours	<b>3 hours</b>
BADM	1103	Introduction to Business	3 hours	BADM 2113 Business Communications 3 hours
CMSC	2123	Business Tech & Applications	3 hours	COMM 1713 Intro to Oral Communication 3 hours
ECON	2123	Microeconomic Principles	3 hours	MATH 2023 Elementary Statistics 3 hours
* MGMT	2233	Human Resource Mgmt	3 hours	MGMT 2240 Business Internship 3 hours
* MGMT	2263	Principles of Management	3 hours	PSYC 1113 Intro to Psychology 3 hours
				or SOCI 1113 Principles of Sociology 3 hours

\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Applied Science degree program in Business Management provides basic coursework to allow a student to enter the workforce with an entry level management track position. This degree can be completed in conjunction with the Associate in Science degree in Business Administration, allowing a student to graduate from Northern holding two degrees.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Basic Entrepreneurial Activities, Entry-Level Management

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
POLI	1113	American Government	or		
MATH	1483	Math Functions	BADM	2113	Business Communications
or	Higher level math		HIST	1483	American History to 1877
ORNT	1101	Freshman Orientation	or		
BADM	1103	Introduction to Business	HIST	1493	American History Since 1877
	3 hours	Computer Science Elective	ACCT	2103	Accounting I - Financial
			CMSC	2123	Business Tech & Applications
			ECON	2123	Microeconomic Principles
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ACCT	2123	Computer Accounting I	ACCT	2203	Accounting II - Managerial
ECON	2113	Macroeconomic Principles	MKTG	2143	Marketing
MGMT	2263	Principles of Management	MGMT	2233	Human Resource Management
PHIL	2223	Business Ethics	BADM	2313	Business Law
	3 hours	Recommended Gen Ed Elective		3 hours	Recommended Business Electives
			PRDV	2321	Professional Development
Total 15 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

Program Requirements 62 Total Credit Hours									
General Education Courses				19 Total Credit Hours	Program Requirement Courses			22 hours	
English Composition Courses					*	ACCT	1133	Payroll Accounting	3 hours
	ENGL	1113	English Composition I	3 hours	*	ACCT	1203	Fundamentals of Acct'g	3 hours
	ENGL	1213	English Composition II	3 hours	*	ACCT	2123	Computer Acct'g I	3 hours
or	BADM	2113	Business Communications			ACCT	2203	Accounting II - Managerial	3 hours
History & Government Courses					*	BADM	2313	Business Law	3 hours
	HIST	1483	American History to 1877	3 hours		MATH	2023	Elementary Statistics	3 hours
or	HIST	1493	American History Since 1877			PRDV	2321	Professional Development	1 hour
	POLI	1113	American Government	3 hours					
Mathematics Courses									
	MATH	1483	Math Functions	3 hours	Recommended Program Elective Courses				3 hours
or	Higher level math					BADM	2113	Business Communications	3 hours
Computer Science Courses						COMM	1713	Intro to Oral Communication	3 hours
	BADM	1113	Digital/Financial Literacy	3 hours		MATH	2023	Elementary Statistics	3 hours
or	CMSC	1113	Computer Concepts			MGMT	2240	Business Internship	3 hours
or	Other approved computer course					MKTG	2143	Marketing	3 hours
Orientation Course						PSYC	1113	Intro to Psychology	3 hours
	ORNT	1101	Freshman Orientation	1 hour		SOCI	1113	Principles of Sociology	3 hours
General Education Course									
	PHIL	2223	Business Ethics	3 hours					
Business Core Requirement Courses				18 hours					
	ACCT	2103	Accounting I - Financial	3 hours					
	BADM	1103	Introduction to Business	3 hours					
	CMSC	2123	Business Tech & Applications	3 hours					
	ECON	2113	Macroeconomic Principles	3 hours	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				
or	ECON	2123	Microeconomic Principles						
*	MGMT	2233	Human Resource Mgmt	3 hours					
*	MGMT	2263	Principles of Management	3 hours					

\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Applied Science degree program in Business Management-Accounting Option provides basic accounting coursework to allow a student to enter the workforce with an entry-level bookkeeping or clerk position. This degree can be completed in conjunction with the Associate in Science degree in Business Administration, allowing a student to graduate from Northern holding two degrees.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Basic Entrepreneurial Activities, Bookkeeping/Accounting Clerk, Entry-Level Management, Payroll Clerk

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	or		
or		Higher level math	BADM	2113	Business Communications
ORNT	1101	Freshman Orientation	HIST	1483	American History to 1877
ACCT	1203	Fundamentals of Accounting	or		
BADM	1103	Introduction to Business	HIST	1493	American History Since 1877
	3 hours	Computer Science Elective	ACCT	2103	Accounting I - Financial
			CMSC	2123	Business Tech & Applications
			ECON	2113	Macroeconomic Principles
			or		
			ECON	2123	Microeconomic Principles
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	ACCT	2203	Accounting II - Managerial
ACCT	2123	Computer Accounting I	PRDV	2321	Professional Development
ACCT	1133	Payroll Accounting	MGMT	2233	Human Resource Management
MGMT	2263	Principles of Management	BADM	2313	Business Law
PHIL	2223	Business Ethics	MATH	2023	Elementary Statistics
Total 15 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

Program Requirements 62 Total Credit Hours									
General Education Courses				22 Total Credit Hours	Program Requirement Courses			10 hours	
English Composition Courses					*	ACCT	2123	Computer Accounting I	3 hours
ENGL	1113	English Composition I	3 hours	ACCT		2203	Accounting II - Managerial	3 hours	
ENGL	1213	English Composition II	3 hours	*		MKTG	2143	Marketing	3 hours
or	BADM	2113	Business Communications						
History & Government Courses						PRDV	2321	Professional Development	1 hour
HIST	1483	American History to 1877	3 hours						
or	HIST	1493	American History Since 1877						
POLI	1113	American Government	3 hours	Technical Occupational Specialty or Courses					12 hours
Mathematics Courses					Option 1: Credit for Prior Learning Assessment OR				
MATH	1483	Math Functions	3 hours	Option 2: Coursework - 12 credit hours selected					
or	Higher level math			from the following:					
Computer Science Courses					BADM	1103	Introduction to Business	3 hours	
BADM	1113	Digital/Financial Literacy	3 hours	BADM	2113	Business Communications	3 hours		
or	CMSC	1113	Computer Concepts	*	BADM	2313	Business Law	3 hours	
or	Other approved computer course				COMM	1713	Intro to Oral Communication	3 hours	
Orientation Course					ECON	2123	Microeconomic Principles	3 hours	
ORNT	1101	Freshman Orientation	1 hour	or	ECON	2113	Macroeconomic Principles		
General Education Course					GLBL	2133	Intro to International		
PHIL	2223	Business Ethics	3 hours			Business Cultures	3 hours		
					MATH	2023	Elementary Statistics	3 hours	
Business Core Requirement Courses				18 hours	MGMT	2240	Business Internship	3 hours	
ACCT	2103	Accounting I - Financial	3 hours						
*	BADM	1203	Intro to Entrepreneurship	3 hours					
CMSC	2123	Business Tech & Applications	3 hours						
ECON	2123	Microeconomic Principles	3 hours						
or	ECON	2113	Macroeconomic Principles						
*	MGMT	2233	Human Resource Mgmt	3 hours					
*	MGMT	2263	Principles of Management	3 hours					
					*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Business Management-Entrepreneurship Option prepares the graduate with skills to create innovative ventures, recognize opportunities, evaluate alternative courses of action, and formulate a plan to successfully achieve organizational objectives. Entrepreneurial skills can be utilized in business development and within existing organizations to effect changes necessary to the success and survival of the organization. The technical occupational specialty areas equip students with current technological skills in their respective field, while the business core requirements provide the essential foundation in entrepreneurial skills, general business accounting and management. This degree is a program whereby students take their general education courses and business courses from Northern Oklahoma College and may use their technical occupational specialty coursework at an area technology center or from prior learning assessment to satisfy elective credits

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Basic Entrepreneurial Activities, Entry-Level Management,

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1483	Math Functions	or		
or		Higher level math	BADM	2113	Business Communications
ORNT	1101	Freshman Orientation	POLI	1113	American Government
HIST	1483	American History to 1877	ACCT	2103	Accounting I - Financial
or			CMSC	2123	Business Tech & Applications
HIST	1493	American History Since 1877		3 hours	Technical Specialty/Coursework Electives
BADM	1203	Intro to Entrepreneurship			
	3 hours	Computer Science Elective			
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ACCT	2123	Computer Accounting I	ACCT	2203	Accounting II - Managerial
ECON	2123	Microeconomic Principles	MGMT	2233	Human Resource Management
or			MKTG	2143	Marketing
ECON	2113	Macroeconomic Principles		3 hours	Technical Specialty/Coursework Electives
MGMT	2263	Principles of Management	PHIL	2223	Business Ethics
	6 hours	Technical Specialty/Coursework Electives	PRDV	2321	Professional Development
Total 15 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

Program Requirements 62 Total Credit Hours									
General Education Courses				22 Total Credit Hours	Program Requirement Courses			19 hours	
English Composition Courses						ACCT	2203	Accounting II - Managerial	3 hours
	ENGL	1113	English Composition I	3 hours	*	BADM	2313	Business Law	3 hours
	ENGL	1213	English Composition II	3 hours	*	COMM	2213	Interpersonal	3 hours
or	BADM	2113	Business Communications					Communication	
History & Government Courses						ECON	2113	Macroeconomic Principles	3 hours
	HIST	1483	American History to 1877	3 hours	*	MCOM	2013	Principles of Advertising	3 hours
or	HIST	1493	American History Since 1877		*	MKTG	2143	Marketing	3 hours
	POLI	1113	American Government	3 hours		PRDV	2321	Professional Development	1 hour
Mathematics Courses									
	MATH	1483	Math Functions	3 hours					
or	Higher level math				Recommended Electives				3 hours
Computer Science Courses						ACCT	2123	Computer Accounting I	3 hours
	BADM	1113	Digital/Financial Literacy	3 hours		BADM	2113	Business Communications	3 hours
or	CMSC	1113	Computer Concepts			COMM	1713	Intro to Oral Communication	3 hours
Orientation Course						GLBL	2133	Intro to International	3 hours
	ORNT	1101	Freshman Orientation	1 hour				Business Cultures	
General Education Course						MGMT	2240	Business Internship	3 hours
	PHIL	2223	Business Ethics	3 hours		PSYC	1113	General Psychology	
					or	SOCI	1113	Principles of Sociology	3 hours
Business Core Requirement Courses				18 hours					
	ACCT	2103	Accounting I - Financial	3 hours					
*	BADM	1303	Intro to Hospitality Mgmt	3 hours					
	CMSC	2123	Business Tech & Applications	3 hours					
	ECON	2123	Microeconomic Principles	3 hours					
*	MGMT	2233	Human Resource Mgmt	3 hours	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				
*	MGMT	2263	Principles of Management	3 hours					

<b>Program Requirement Courses</b>				<b>19 hours</b>
ACCT	2203	Accounting II - Managerial	3 hours	
*	BADM	2313	Business Law	3 hours
*	COMM	2213	Interpersonal Communication	3 hours
	ECON	2113	Macroeconomic Principles	3 hours
*	MCOM	2013	Principles of Advertising	3 hours
*	MKTG	2143	Marketing	3 hours
	PRDV	2321	Professional Development	1 hour

<b>Recommended Electives</b>				<b>3 hours</b>
ACCT	2123	Computer Accounting I	3 hours	
BADM	2113	Business Communications	3 hours	
COMM	1713	Intro to Oral Communication	3 hours	
GLBL	2133	Intro to International Business Cultures	3 hours	
	MGMT	2240	Business Internship	3 hours
	PSYC	1113	General Psychology	
or	SOCI	1113	Principles of Sociology	3 hours

\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate in Applied Science Degree program in Business Management—Hospitality Option prepares students for entry level positions within the hospitality industry.

The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.

**Career Opportunities:** Event Planning, Hotel and Restaurant Management, Hospitality Management

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
POLI	1113	American Government	or		
MATH	1483	Math Functions	BADM	2113	Business Communications
ORNT	1101	Freshman Orientation	HIST	1483	American History to 1877
BADM	1303	Intro to Hospitality Management	or		
	3 hours	Computer Science Elective	HIST	1493	American History Since 1877
			ACCT	2103	Accounting I - Financial
			COMM	2213	Interpersonal Communications
			ECON	2123	Microeconomic Principles
Total: 16 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ACCT	2203	Accounting II - Managerial	BADM	2313	Business Law
CMSC	2123	Business Tech & Applications	MCOM	2013	Principles of Advertising
ECON	2113	Macroeconomic Principles	MGMT	2233	Human Resource Management
MGMT	2263	Principles of Management	MKTG	2143	Marketing
PHIL	2223	Business Ethics		3 hours	Recommended Program Electives
			PRDV	2321	Professional Development
Total 15 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered only on NOC Tonkawa campus.

**Program Requirements 60 Total Credit Hours**

General Education Courses				25 Total Credit Hours		Technical Core Courses			12 hours	
English Composition Courses						DMAD	1113	Intro to Digital Video-2D Animation		3 hours
	ENGL	1113	English Composition I		3 hours					
	ENGL	1213	English Composition II		3 hours	DMAD	1133	Intro to 3D Animation		3 hours
History & Government Courses						DMAD	1213	Graphic Design		3 hours
	HIST	1483	American History to 1877		3 hours	DMAD	1233	Digital Film-making		3 hours
or	HIST	1493	American History Since 1877							
	POLI	1113	American Government		3 hours					
Humanities Courses										
	Electives to be chosen from the list below:				3 hours	Technical Support Courses			23 hours	
	PHIL	2213	Ethics			DMAD	2313	Motion Graphics I		3 hours
	PHIL	2223	Business Ethics			DMAD	2323	3D Animation II		3 hours
	ARTS	1113	Art Appreciation			DMAD	2333	3D Animation III		3 hours
	ARTS	1203	Art History Survey I			DMAD	2343	Texturing		3 hours
or	ARTS	1303	Art History Survey II			DMAD	2353	Digital Video II		3 hours
Mathematics Courses						DMAD	2373	Motion Graphics II		3 hours
	MATH	1493	Math Applications		3 hours	DMAD	2382	Multimedia Project		2 hours
or	Other college-level math					DMAD	2393	Emerging New Media		3 hours
Speech Courses										
	COMM	1713	Intro to Oral Communication		3 hours					
Computer Science Courses										
	BADM	1113	Digital/Financial Literacy		3 hours					
Orientation Course										
	ORNT	1101	Freshman Orientation		1 hour					

The Digital Media Animation and Design program is designed to provide new opportunities for creative artists in the growing field of digital media. This direct-to-workforce program will prepare individuals with the knowledge and skills necessary to communicate their ideas through the area of advanced computer graphics.

**Career Opportunities:** Graphic Designer/Web Designer, Motion Graphics Animator, 3D Modeler/Animator, Texture Artist, Game Asset/Level Designer, Post-Production Specialist, Visual Effects Artist, Commercials/Broadcast

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1493	Math Applications	POLI	1113	American Government
or			PHIL	2213	Ethics
MATH	1513	Algebra for STEM	or	Other approved humanities	
ORNT	1101	Freshman Orientation	DMAD	1133	Intro to 3D Animation
BADM	1113	Digital/Financial Literacy	DMAD	1233	Digital Film-making
DMAD	1213	Graphic Design			
DMAD	1113	Intro to Digital Video - 2D Animation			
Total: 16 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
HIST	1483	American History to 1877	COMM	1713	Intro to Oral Communication
or			DMAD	2333	3D Animation III
HIST	1493	American History Since 1877	DMAD	2353	Digital Video II
DMAD	2313	Motion Graphics I	DMAD	2382	Multimedia Project
DMAD	2323	3D Animation II	DMAD	2393	Emerging New Media
DMAD	2343	Texturing			
DMAD	2373	Motion Graphics II			
Total 15 credit hours			Total 14 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid and NOC Tonkawa campuses.

<b>Program Requirements 60 Total Credit Hours</b>					
<b>General Education Courses</b>				<b>Technical Occupational Specialty</b>	
<b>27 Total Credit Hours</b>				<b>15 hours</b>	
English Composition Courses				ELEC 1123	Electrical Motor Controls 3 hours
ENGL 1113	English Composition I	3 hours		ELEC 1253	DC Electronics/Metrology 3 hours
ENGL 1213	English Composition II	3 hours		ELEC 1263	AC Electronics/Photonics 3 hours
History & Government Courses				ELEC 1363	Electronic Devices/ Standards 3 hours
HIST 1483	American History to 1877	3 hours			
or HIST 1493	American History Since 1877			ELEC 2003	Hydraulics 3 hours
POLI 1113	American Government	3 hours			
Mathematics Courses				<b>Wind Energy Emphasis 18 hours</b>	
MATH 1513	Algebra for STEM	3 hours		PTEC 1113	Intro to Process Technology 3 hours
or MATH 1483	Math Functions			PTEC 1313	Safety, Health & Work Practice 3 hours
Science Courses				WIND 1113	Intro to Wind Energy 3 hours
CHEM 1014	Concepts of Chemistry	4 hours		WIND 2313	Wind Turbine & Elec-Mech 3 hours
PHYS 2104	Concepts of Physics	4 hours		WIND 2413	Wind Power Delivery System 3 hours
Computer Science Courses				WIND 2423	Wind Turbine Troubleshooting 3 hours
CMSC 1113	Computer Concepts	3 hours			
or BADM 1113	Digital/Financial Literacy				
Orientation Course					
ORNT 1101	Freshman Orientation	1 hour			

The Electronics Technology degree- Wind Energy Technician is specifically designed to prepare students for a career as a Wind Turbine technician. Students will learn basic concepts, skills and technology for the repair and maintenance of wind turbines utilized for wind power generation.

This suggested curriculum serves Oklahoma and Kansas by providing participants with the knowledge and skills to satisfy entry-level job requirements for the region's and nation's major employers. Hands-on technical skills are augmented with theory and general education classes to position graduates for immediate success.

This degree program is a cooperative program whereby students complete their general education courses, and Wind Energy emphasis coursework, at Northern Oklahoma College and their technical coursework at Pioneer Technology Center in Ponca City, OK.

**Career Opportunities:** Wind Turbine Electronics Technician, Wind Turbine Repair Technician, Wind Turbine Operator

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1113	English Composition I	ENGL	1223	Technical Writing
MATH	1513	Algebra for STEM	PTEC	1313	Safety, Health & Work Practices
or			CMSC	1113	Computer Concepts
MATH	1483	Math Functions	or		
PHYS	2104	Concepts of Physics	BADM	1113	Digital Financial Literacy
PTEC	1113	Intro to Process Technology	ELEC	1123	Electrical Motor Controls
WIND	1113	Intro to Wind Energy	WIND	2313	Wind Turbine Elec-Mech
ORNT	1101	Freshman Orientation			
Total: 17 credit hours			Total 15 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
HIST	1483	American History to 1877	POLI	1113	American Government
or			ELEC	1363	Electronic Devices/Standards
HIST	1493	American History Since 1877	ELEC	2003	Hydraulics
CHEM	1014	Concepts of Chemistry	WIND	2423	Wind Turbine Troubleshooting
ELEC	1253	DC Electronics/Metrology			
ELEC	1263	AC Electronics/Photonics			
WIND	2413	Wind Power Delivery System			
Total 16 credit hours			Total 12 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

Program Requirements 60 Total Credit Hours				
General Education Courses			18 Total Credit Hours	
English Composition Courses				
	ENGL	1113	English Composition I	3 hours
	ENGL	1213	English Composition II	3 hours
or	ENGL	1223	Technical Writing	
or	COMM	1713	Intro to Oral Communication	
History & Government Courses				
	HIST	1483	American History to 1877	3 hours
or	HIST	1493	American History Since 1877	
	POLI	1113	American Government	3 hours
Mathematics Courses				
	MATH	1493	Math Applications	3 hours
or	Other college-level math			
Computer Science Courses				
	BADM	1113	Digital/Financial Literacy	3 hours
or	Other approved computer course			
Technical Occupational Specialty -			42 Total Hours	

The associate in Applied Science degree program is designed to provide the employees of the OGE Energy Corporation of Oklahoma an opportunity to complete an associate degree specifically designed to prepare them with the knowledge, technical skills, and job-related experiences necessary to make a significant contribution to their corporation. The specific areas of operations, instrumentation and control, electrical, and mechanics form the basis of the degree program. Additional focus of this program is the perpetuation of a quality workforce, a higher quality of life for our citizenry and state-wide economic development.

**Career Opportunities:** Instrument and Control, Operator, Plant Mechanic

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

Students will be awarded 42 credit hours of extra-institutional credit for certified coursework and job performance demonstration at the OGE Energy Corporation in the areas of Plant Operations, Instrumentation, and Control, Plant Electricians, and Plant Mechanics at the following levels:

Apprenticeship Level C-1, C-2, and C-3:

Safety-PPE and First-aid; Fall Suppression, Worker Right to Know/HAZCOM, Envirochemical, Confined space, Basic Shop Equipment, Prints & Drawings, Clearance Procedures, fuel Systems, SAP Notifications & Confirmation Notes, ash Removal systems, Circulating Water Systems, Steam Cycle, Compressed Air Systems, Turbine Auxiliaries, Generator, Plant Electrical Systems, Water Treatment, Plant Instrumentation, Fire Protection Systems, Hand Signals, Electrical Circuit Basics.

Apprenticeship Level B-1 and B-2:

Coal System, Pulverizes and Feeders, Ash Systems, Closed Cooling Water System, Stator Cooling Water system, MCC Breaker System, Motor Megger, Pump/Motor Rigging & Removal, Small Motor (25 HP or less) Overhaul, Tubing and Fittings, Metal Work and Welding, Main Turbine, Generator and Turbine Lube Oil Systems, Hydrogen Seal Oil system, Pump seal Inspection, Heat Exchanger Inspection and Repair, Calibrate Gauge, Test & Repair Pressure Switches.

Apprenticeship Level A-1 and A-2:

Control Loops, Piping, Condensate system, Feedwater System, Steam System, Closed Cooling Water System, Fuel System-Gas/Oil, Fuel system-Coal, Plant/Service Air System, Instrument/Control Air Systems, Emergency Generator, Waste Water Treatment System, Circulating Water System, Calibrate a Transmitter, Freeze Protection System, Centrifugal Pump, Test & Calibrate Positioners & Actuators, Lube Oil Systems, Generator/Electrical System, Test & Repair Pneumatic & Electronic Solenoid, Small Valve Refurbishment, Troubleshoot and Repair a Piston Actuator, Pump Bearing Inspection.

Students are required to pass the OGE certification examination for each of the above levels and complete 12 credit hours at Northern before credit can be transcribed.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.





This degree is offered only on NOC Tonkawa campus.

<b>Program Requirements 64 Total Credit Hours</b>				
<b>General Education Courses</b>			<b>27 Total Credit Hours</b>	
English Composition Courses				
ENGL	1113	English Composition I	3 hours	
or	ENGL	1223	Technical Writing	
	COMM	1713	Intro to Oral Communication	3 hours
History & Government Courses				
	HIST	1483	American History to 1877	3 hours
or	HIST	1493	American History Since 1877	
	POLI	1113	American Government	3 hours
Mathematics Courses				
	MATH	1483	Math Functions	3 hours
or	MATH	1513	Algebra for STEM	
Science Courses				
	CHEM	1014	Concepts in Chemistry	4 hours
	PHYS	2104	Concepts in Physics	4 hours
Computer Science Courses				
	BADM	1113	Digital/Financial Literacy	3 hours
or	Other approved computer course			
Orientation Course				
	ORNT	1101	Freshman Orientation	1 hour
<b>Program Requirement Courses</b>			<b>37 hours</b>	
	BADM	1103	Introduction to Business	3 hours
or	ECON	2123	Microeconomic Principles	
*	CHEM	2014	Process Organic Chemistry	4 hours
*	PRDV	2321	Professional Development	1 hour
*	PTEC	1113	Intro to Process Technology	3 hours
*	PTEC	1124	Process Troubleshooting	4 hours
*	PTEC	1313	Safety, Health & Work Practices	3 hours
*	PTEC	2014	Process Tech I - Equipment	4 hours
*	PTEC	2024	Industrial Instrumentation	4 hours
*	PTEC	2124	Process Tech II - Systems	4 hours
*	PTEC	2214	Process Tech III - Operations	4 hours
*	PTEC	2243	Principles of Quality	3 hours

\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

The Associate of Applied Science Degree program in Process Technology is developed in partnership with the Conoco/Phillips, British Petroleum, Sunoco, Valero, Sinclair, and other petrochemical corporations. It is designed to provide the student with entry level training to become a Process Technician in the petrochemical industry.

**Current partners include:** Phillips 66 Refining, Pipeline, & R&D, Koch Industries, OG&E, Tessengerlo Kerley Industries, Oklahoma Municipal Power Authority, NRCA Refining

**Career Opportunities:** Industry, Petrochemical Process Technician, Process Technician, Refinery



This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
PHYS	2104	Concepts in Physics	BADM	1113	Digital/Financial Literacy
MATH	1483	Math Functions	HIST	1483	American History to 1877
or			or		
MATH	1513	Algebra for STEM	HIST	1493	American History Since 1877
ORNT	1101	Freshman Orientation	ENGL	1113	English Composition I
**PTEC	1113	Introduction to Process Technology	PTEC	2014	Process Tech I -Equipment
**PTEC	2024	Industrial Instrumentation	PTEC	1313	Safety, Health & Work Practices
Total: 15 credit hours			Total 16 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	CHEM	2014	Process Organic Chemistry
COMM	1713	Intro to Oral Communication	BADM	1103	Intro to Business
CHEM	1014	Concepts in Chemistry	or		
PTEC	2124	Process Tech II - Systems	ECON	2123	Microeconomics
PTEC	2243	Principles of Quality	PTEC	2214	Process Tech III - Operations
PRDV	2321	Professional Development	PTEC	1124	Process Troubleshooting
Total 18 credit hours			Total 15 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 68 Total Credit Hours</b>					
<b>General Education Courses</b>				<b>Program Requirement Courses</b>	
<b>13 (16) Total Credit Hours</b>				<b>37 hours</b>	
English Composition Courses				NURS 1114	Fundamentals of Nursing 4 hours
ENGL 1113	English Composition I	3 hours		NURS 1124	Fundamentals of Nursing 4 hours
ENGL 1213	English Composition II	3 hours			Practicum
History & Government Courses				NURS 1234	Nursing of Adults I 4 hours
HIST 1483	American History to 1877	3 hours		NURS 1244	Nursing of Adults I 4 hours
or HIST 1493	American History Since 1877				Practicum
POLI 1113	American Government	3 hours		NURS 2071	Seminar in Nursing I 1 hour
Mathematics Courses (if Chem is taken)				NURS 2072	Seminar in Nursing II 2 hours
MATH 1483	Math Functions	(3) hours		NURS 2334	Maternal Child Nursing 4 hours
	with Supplement if needed			NURS 2344	Maternal Child Nursing 4 hours
Orientation					Practicum
ORNT 1101	Freshman Orientation	1 hour		NURS 2415	Nursing of Adults II 5 hours
<b>Nursing Core Requirement Courses 18 Total Credit Hrs</b>				NURS 2425	Nursing of Adults II 5 hours
BIOL 1124	General Biology for Majors	4-5 hrs			Practicum
or BIOL 1114	General Biology				
or CHEM 1315	General Chemistry I				
(Note: Chem option requires additional prereq.)					
BIOL 2124	Microbiology	4 hours			
BIOL 2214	Human Anat. & Physiology	4 hours			
PSYC 1113	General Psychology	3 hours			
SOCI 1113	Principles of Sociology	3 hours			
or SOCI 2223	Social Problems				

Note: General Biology and/or Chemistry 1 must be complete before enrolling in sophomore-level science course. See course descriptions at the back of the catalog for required sequencing of listed science courses. Students who have been formally accepted into the RN Nursing Program may have the option to have certain courses waived.

Nursing is offered on NOC Tonkawa, NOC Enid, and NOC Stillwater locations. Any student interested in nursing can join the Student Nurses Association, both local and national. The nursing program is accredited by the Accreditation Commission for Education in Nursing (ACEN) and approved by the Oklahoma Board of Nursing. Students who desire to become candidates for the Associate degree in Nursing are required to make a formal application to the Division of Nursing for admission. Formal approval by the Nursing Division is required before being admitted into actual nursing courses. GPA is heavily weighted since acceptance is highly competitive. Fees for the Nursing program may differ at each NOC location. A Nursing Skills lab fee is charged each semester. Upon completion of this degree a student is eligible to take the NCLEX-RN exam. After successful passage of this exam, the student is an RN prepared to pursue a career in nursing.

**Career Opportunities:** Registered Nurse (RN)

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
*BIOL	1114	General Biology	ENGL	1113	English Composition I
ORNT	1101	Freshman Orientation	*BIOL	2224	Human Anatomy & Physiology
NURS	1114	Fundamentals of Nursing	NURS	1234	Nursing of Adults I
NURS	1124	Fundamentals of Nursing Practicum	NURS	1244	Nursing of Adults I Practicum
*PSYC	1113	General Psychology	NURS	2071	Seminar in Nursing I
Total: 16 credit hours			Total 16 credit hours		

**Third Semester (Summer of first year) 3 Total Credit Hours**

*SOCI	1113	Principles of Sociology			
or					
SOCI	2223	Social Problems			

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
ENGL	1213	English Composition II	HIST	1483	American History to 1877
*BIOL	2124	Microbiology	or		
NURS	2334	Maternal Child Nursing	HIST	1493	American History Since 1877
NURS	2344	Maternal Child Nursing Practicum	NURS	2415	Nursing of Adults II
NURS	2072	Seminar in Nursing II	NURS	2425	Nursing of Adults II Practicum
			POLI	1113	American Government
Total 17 credit hours			Total 16 credit hours		

**\*Required core courses must have been taken within the last 5 years with a grade of C or above. This can be waived if a student has a degree or is an LPN.**

Students will be required to take MATH 0123 to complete this degree if their ACT score is below 19 in math (or the equivalent on the Accuplacer).

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 62 Total Credit Hours</b>							
<b>General Education Courses</b>				<b>22 Total Credit Hours</b>			
<b>Program Requirement Courses</b>				<b>16 hours</b>			
English Composition Courses				Choose:			
ENGL	1113	English Composition I	3 hours	ACCT	1203	Fundamentals of Acct'g	6 hours
ENGL	1213	English Composition II	3 hours	& ACCT	2103	Accounting I - Financial	
or BADM	2113	Business Communications		or			
History & Government Courses				ACCT	2103	Accounting I - Financial	6 hours
HIST	1483	American History to 1877	3 hours	& ACCT	2203	Accounting II - Managerial	
or HIST	1493	American History Since 1877		BADM	1103	Introduction to Business	3 hours
POLI	1113	American Government	3 hours	CMSC	2123	Business Tech & Applications	3 hours
Humanities Courses							
PHIL	2223	Business Ethics	3 hours	ECON	2113	Macroeconomic Principles	3 hours
Mathematics Courses				or ECON	2123	Microeconomic Principles	
MATH	1483	Math Functions	3 hours	PRDV	2321	Professional Development	1 hour
or MATH	1513	Algebra for STEM		<b>Technical Occupational Specialty</b>			
Computer Science Courses				<b>15 hours</b>			
CMSC	1113	Computer Concepts	3 hours	Students may earn 15 credit hours with completion of the following programs:			
or BADM	1113	Digital/Financial Literacy		<b>Autry Career Technology Center:</b> Executive Administrative Assistant Program			
Orientation Course				<b>Pioneer Career Technology Center:</b> Accounts Payable/Receivable Clerk/Office Management (or) Office Information Specialist			
ORNT	1101	Freshman Orientation	1 hour	<b>Program Electives</b>			
				<b>9 hours</b>			
				ACCT or ECON options listed but not taken under program requirements.			
				MKTG	2143	Marketing	3 hours
				MGMT	2233	Human Resource Mgmt	3 hours
				MGMT	2263	Principles of Management	3 hours
				MGMT	2313	Business Law	3 hours
				MGMT	2240	Business Internship	3 hours

The Office Management Program is designed to prepare students with the necessary skills for employment as office management personnel. The technical occupational specialty areas equip students with current technological skills while the business core requirements provide the essential foundation in business, accounting and office management. The Office Management degree is a cooperative program whereby students take their general education courses from Northern Oklahoma College and their technical coursework at the Technology Centers of Autry-Enid and Pioneer-Ponca City.

The Business Division is accredited by the Accreditation Council of Business Schools and Programs (ACBSP). This degree program is not accredited by ACBSP.

**Career Opportunities:** Administrative Assistant, Data Entry Clerk, Entry-Level Manager, Office Information Analyst, Office Manager, Payroll Clerk, Receptionist.

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
Technical Occupational Specialty			ENGL	1113	English Composition I
				3 hours	Computer Science Elective
			MATH	1483	Math Functions
			BADM	1103	Introduction to Business
				3 hours	Program Elective
			ORNT	1101	Freshman Orientation
Total: 15 credit hours			Total 16 credit hours		

### Year Two

Fall Semester			Spring Semester		
ENGL	1213	English Composition II	POL	1113	American Government
or			PHIL	2223	Business Ethics
BADM	2113	Business Communications	ACCT	2103	Accounting I -Financial
HIST	1483	American History to 1877	or		
or			ACCT	2203	Accounting II - Managerial
HIST	1493	American History Since 1877		6 hours	Program Electives
ACCT	1203	Fundamentals of Accounting	PRDV	2321	Professional Development
or					
ACCT	2103	Accounting I - Financial			
CMSC	2123	Business Tech & Applications			
ECON	2113	Macroeconomic Principles			
or					
ECON	2123	Microeconomic Principles			
Total 15 credit hours			Total 16 credit hours		

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.



This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 72 Total Credit Hours</b>					
<b>General Education Courses</b>				<b>Professional Core Requirements</b>	
<b>23 Total Credit Hours</b>				<b>34 hours</b>	
English Composition Courses				RESP 1114	RT Procedures I 4 hours
ENGL	1113	English Composition I	3 hours	RESP 1121	Clinical Applications I 1 hour
ENGL	1213	English Composition II	3 hours	RESP 1214	RT Procedures II 4 hours
or ENGL	1223	Technical Writing		RESP 1223	Clinical Applications II 3 hours
History & Government Courses				RESP 1312	Pulmonary Pathology 2 hours
HIST	1483	American History to 1877	3 hours	RESP 1323	Clinical Applications III 3 hours
or HIST	1493	American History Since 1877		RESP 2114	RT Procedures III 4 hours
POLI	1113	American Government	3 hours	RESP 2123	Advanced Clinical Applications 3 hours
Mathematics Courses				RESP 2324	RT Procedures IV 4 hours
MATH	1513	Algebra for STEM	3 hours	RESP 2223	Advanced Clinical Applications II 3 hours
Science Courses				RESP 2233	Advanced Clinical Applications III 3 hours
BIOL	1114	General Biology	4 hours		
BIOL	2214	Human Anat & Physiology	4 hours		
<b>Allied Health Core Requirements 15 Total Credit Hours</b>					
BIOL	2124	Microbiology	4 hours		
CHEM	1315	General Chemistry I	5 hours		
HLTH	1113	Medical Terminology	3 hours		
PSYC	1113	General Psychology	3 hours		
*Computer proficiency is embedded within the coursework of this program					

The Respiratory Care program is designed to enable the student to work professionally as a vital member of the health care team. A 24-month curriculum combining academic work, clinical rotations at area hospitals and physician contacts will provide students with the intensive preparation necessary for an exciting, rewarding career as a Respiratory Therapist.

Upon successful completion, students will be eligible for the National Board of Respiratory Care (NBRC) exams, both the entry level exam for a Certified Respiratory Therapist (CRT) and the advanced exam for a Registered Respiratory Therapist (RRT).

Students must complete an application packet with three reference letters and an interview. Usually only ten students are accepted per year. Health form immunizations will be required when the student is accepted.

NOTE: It is recommended that students exhibit math proficiency at the Pre-STEM Algebra level before enrolling in this program.

**This Respiratory Care degree program is a cooperative program whereby students complete their general education courses at Northern Oklahoma College and their technical coursework at Autry Technology Center in Enid, OK.**

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
MATH	1513	Algebra for STEM	or		
BIOL	1114	General Biology	ENGL	1223	Technical Writing
RESP	1114	RT Procedures I	*BIOL	2224	Human Anatomy & Physiology
RESP	1121	Clinical Applications I	HLTH	1113	Medical Terminology
			RESP	1214	RT Procedures II
			RESP	1223	Clinical Applications II
Total: 15 credit hours			Total 17 credit hours		

### Third Semester of Year One (Summer) 8 Total Credit Hours

HIST	1483	American History to 1877	RESP	1312	Pulmonary Pathology
or			RESP	1323	Clinical Applications III
HIST	1493	American History Since 1877			

### Year Two

Fall Semester			Spring Semester		
CHEM	1315	General Chemistry I	POLI	1113	American Government
RESP	2114	RT Procedures III	BIOL	2124	Microbiology
RESP	2123	Advanced Critical Applications	RESP	2324	RT Procedures IV
			RESP	2223	Advanced Clinical Applications II
Total 12 credit hours			Total 14 credit hours		

### Sixth Semester of Year Two (Summer) 6 Total Credit Hours

RESP	2233	Advanced Clinical Applications III			
PSYC	1113	General Psychology			

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

<b>Program Requirements 62 Total Credit Hours</b>				
<b>General Education Courses</b>		<b>16 Total Credit Hours</b>		<b>Program Requirement Courses</b>
				<b>27 hours</b>
English Composition Courses				NURS 1114 Fundamentals of Nursing 4 hours
ENGL	1113	English Composition I	3 hours	NURS 1124 Fundamentals of Nursing 4 hours
ENGL	1213	English Composition II	3 hours	Practicum
History & Government Courses				NURS 1234 Nursing of Adults I 4 hours
HIST	1483	American History to 1877	3 hours	NURS 1244 Nursing of Adults I 4 hours
or HIST	1493	American History Since 1877		Practicum
POLI	1113	American Government	3 hours	NURS 2071 Seminar in Nursing I 1 hour
Mathematics Courses				NURS 2072 Seminar in Nursing II 2 hours
**MATH	0123	Pre-STEM Algebra	3 hours	NURS 2334 Maternal Child Nursing 4 hours
or	Other college-level math			NURS 2344 Maternal Child Nursing 4 hours
Orientation Course				Practicum
ORNT	1101	Freshman Orientation	1 hour	
<b>Nursing Core Requirement Courses</b>		<b>19 Total Hours</b>		
BIOL	1124	General Biology for Majors	5 hours	
or BIOL	1114	General Biology		
or CHEM	1315	General Chemistry I		
General Biology or Chemistry I must be completed before enrolling in sophomore level science courses				
BIOL	2124	Microbiology	4 hours	
BIOL	2224	Human Anat. & Physiology	4 hours	
PSYC	1113	General Psychology	3 hours	
SOCI	1113	Principles of Sociology	3 hours	
or SOCI	2223	Social Problems		

\*\*Students will be required to take MATH 0123 to complete this degree if their ACT score is below 19 in math (or the equivalent on the Accuplacer).

Nursing is offered on NOC Tonkawa, NOC Enid, and NOC Stillwater locations. This practical nurse eligibility certificate will be issued to generic nursing students who have successfully completed their third semester in the Associate of Applied Science-RN degree. They will be eligible to apply to the State Board of Nursing for the practical nurse licensure examination. Earning this certificate will allow the student to increase their earning potential and gain valuable clinical experience as a Licensed Practical Nurse (LPN) before they complete the AAS-RN program. Nursing students can participate in the Student Nurses Association, both local and national. The nursing program is accredited by Accreditation Commission for Education in Nursing (ACEN) and approved by the Oklahoma Board of Nursing.

Students who desire to become candidates for Associate degree in Nursing are required to make a formal application to the Division of Nursing for admission. This application must be submitted to the Division of Nursing on or before March 1. Formal approval by the Nursing Division is required before being admitted into actual nursing courses. GPA is heavily weighed since acceptance is highly competitive. Fees for the Nursing program may differ at each NOC location. A Nursing Skills lab fee is charged each semester.

**Career Opportunities:** Licensed Practical Nurse (LPN)

This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.

**Year One**

<b>Fall Semester</b>			<b>Spring Semester</b>		
*BIOL	1114	General Biology	ENGL	1113	English Composition I
or			*BIOL	2224	Human Anatomy & Physiology
*CHEM	1315	General Chemistry I	NURS	1234	Nursing of Adults
ORNT	1101	Freshman Orientation	NURS	1244	Nursing of Adults I Practicum
NURS	1114	Fundamentals of Nursing	*SOCI	1113	Principles of Sociology
NURS	1124	Fundamentals of Nursing Practicum	or		
**PSYC	1113	General Psychology	SOCI	2223	Social Problems
HIST	1483	American History to 1877	NURS	2071	Seminar in Nursing I
or					
HIST	1493	American History Since 1877			
Total: 19-20 credit hours			Total 19 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
POLI	1113	American Government	N/A		
ENGL	1213	English Composition II			
*BIOL	2124	Microbiology			
NURS	2334	Maternal Child Nursing			
NURS	2344	Maternal Child Nursing Practicum			
NURS	2072	Seminar in Nursing II			
Total 20 credit hours			0 credit hours		

\*Required core courses must have been taken within the last 5 years with a grade of C or above. This can be waived if a student has a degree or is an LPN.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.

## 2023-2024 NOC COURSE DESCRIPTIONS

### ACCOUNTING

#### **ACCT 1113 BASIC BUSINESS RECORDS I**

The basic principles and practices of record keeping for businesses.

#### **ACCT 1123 BASIC BUSINESS RECORDS II**

The basic principles of record keeping for small businesses designed primarily for secretarial or occupational students.

Prerequisite: ACCT 1113 Basic Business Records I.

#### **ACCT 1133 PAYROLL ACCOUNTING**

A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment. Prerequisite: ACCT 1203 Fundamentals of Accounting or ACCT 2103 Accounting I Financial. Traditionally offered every odd year fall semester only.

#### **ACCT 1203 FUNDAMENTALS OF ACCOUNTING**

An introduction to the fundamental principles of double entry accounting as applied to practical business situations. Emphasis is given to development of financial statements, debit and credit rules of accounting, the accounting cycle, special journals and payroll accounting. Traditionally offered every even year fall semester only.

#### **ACCT 2003 SURVEY OF ACCOUNTING**

Introduction to financial and managerial accounting concepts and objectives. This course provides a survey of accounting concepts and procedures that will enable students to be informed users of financial information in a business setting. May not be used for degree credit with ACCT 2103 and ACCT 2203.

#### **ACCT 2103 ACCOUNTING I—FINANCIAL**

An introduction to financial accounting concepts, principles and development of financial information. Course work includes the accounting processes and principles of accrual accounting. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM or concurrent enrollment with instructor permission.

#### **ACCT 2123 MICROCOMPUTER ACCOUNTING I**

An introduction to microcomputer applications related to accounting systems. Topics include general ledger; accounts receivable; accounts payable; inventory; payroll; and correcting, adjusting, and closing entries. Students will use a computer accounting software package to complete the financial accounting cycle for a sole proprietorship. Prerequisite: ACCT 1203 Fundamentals of Accounting or ACCT 2103 Accounting I-Financial. Traditionally offered in fall semester only.

#### **ACCT 2203 ACCOUNTING II—MANAGERIAL**

An introduction to managerial accounting concepts and objectives, cost system designs, planning and control of sales and costs, analysis of costs and profits and accounting for managerial decision making. Prerequisite: ACCT 2103 Accounting I-Financial.

### AGRICULTURE

#### **AGRI 1113 INTRODUCTION TO AGRICULTURAL ECONOMICS**

An introduction to the role of agriculture within the U.S. economy. Topics will include economic analysis of the relationships between resources, production, income and consumption; discussion of economic systems; and economic applications for production and marketing. Prerequisite: math proficiency through MATH 1483 Math Functions.

#### **AGRI 1124 INTRODUCTION TO ANIMAL SCIENCES**

An introduction to production systems for the meat animal species: cattle, sheep, goats, swine and poultry. This course will examine global animal production, end-products and grading standards, an overview of the different breeds of livestock, biological aspects of production, and an introduction to management practices for each of the various species.

### **AGRI 1223 INTRODUCTION TO PLANT AND SOILS SCIENCE**

An introduction to plant and soil systems and the interactions necessary to produce the food and fiber to feed the world. Historical aspects, plant growth, nutrition and function, soil classification, analysis and fertility, crop production systems, and utilization will all be discussed.

### **AGRI 2123 LIVESTOCK FEEDING**

Nutrients, their functions and the nutrient composition of feedstuffs; feed classification; nutrient requirements of the various classes of livestock; balancing rations for different kinds of production. Prerequisite: math proficiency through MATH 1483 Math Functions.

### **AGRI 2124 FUNDAMENTAL OF SOIL SCIENCE**

Formation and classification of soils, principal chemical, biological and physical properties of soils in relation to plant growth; soil fertility, productivity, and land use. Prerequisite: CHEM 1014 Concepts of Chemistry or CHEM 1315 Chemistry I or concurrent enrollment. Offered spring semester only.

### **AGRI 2222 LIVE ANIMAL EVALUATION**

Modern tools for livestock selection including performance records, pedigree information, visual appraisal, and the principles of using these tools to evaluate critically cattle, sheep, swine, and horses.

### **AGRI 2253 MEAT ANIMAL AND CARCASS EVALUATION**

Evaluation of livestock animals, carcasses and wholesale cuts of beef, pork, and lamb. The course will also include factors determining grades, yields, and values in the three primary livestock species: cattle, swine, and sheep. Meat quality and general principles of meat science will also be discussed.

### **AGRI 2303 DEVELOPMENT OF AGRICULTURAL LEADERSHIP**

This course focuses on the development of leadership skills used in the agricultural industry and career fields. The course emphasis will be on enabling students to identify the key attributes of leadership by exploring their unique values system, vision, self-awareness, personal strengths and team building skills. Students will also learn valuable skills in resume writing, job interview and portfolio building.

### **AGRI 2431 LIVESTOCK JUDGING**

Principles of live animal evaluation and techniques for communicating the ideal concepts of selection for both market and animal breeding. Participation in competitive livestock judging contests is required and is subject to academic eligibility.

### **AGRI 2450 SUPERVISED STUDY-AGRICULTURE**

Course addresses special problems in agriculture through research and study.

### **AGRI 2460 AGRICULTURAL INTERNSHIP**

Internship of various disciplines of agriculture for career determination. Experiences with actual businesses in agriculture allow the student to investigate the specific job requirements and work environment involved with a particular sector of agriculture. Report must be completed at end of internship.

### **AGRI 2523 INTRODUCTION TO SHEEP PRODUCTION AND MANAGEMENT**

A study of all aspects of sheep production including, but not limited to, managing nutrition, production, selection, reproduction, lambing, health, shearing, exhibition preparation, and showmanship. Students will have hands-on training throughout the course and will have opportunity to exhibit sheep as members of the NOC Sheep Show team at various national exhibitions.

## **ARTS**

### **ARTS 1113 ART APPRECIATION**

The study of art from a variety of different backgrounds and cultures as both product and process. Aesthetic judgment making in evaluation of art from different times and places is stressed. (Meets requirement for humanities elective and International Dimension)



**ARTS 1193 CERAMICS I**

Ceramics I covers a variety of building techniques, glazing and ceramics terminology, including surface decoration and firing processes.

**ARTS 1203 ART HISTORY SURVEY I**

This course covers a study of the arts, artists and their cultures from Prehistoric Man through the Early Renaissance. (Meets requirement for humanities elective)

**ARTS 1303 ART HISTORY SURVEY II**

This course covers a study of arts, artists and their cultures from the Early Renaissance to the present. (Meets requirement for humanities elective)

**ARTS 1313 DRAWING I**

Drawing I will develop the students' understanding of the basic concepts of drawing and their powers of observation. Students will work with various media, exploring the basic elements of shape, line, proportion, value and space while utilizing a variety of sources and environments.

**ARTS 1323 DRAWING II**

A continuation of Drawing I with emphasis on composition, color, development of ideas and the complex use of drawing mediums and materials. Prerequisite: ART 1313 Drawing I.

**ARTS 1433 FUNDAMENTALS OF TWO-DIMENSIONAL ART**

A study of two-dimensional design and application of art elements (shape, line, color, value, composition, space, form) in a variety of materials.

**ARTS 2113 FIGURE DRAWING I**

Figure Drawing I includes the study in gesture and finished drawings of the model. Emphasis will be placed on pose, composition, a variety of media and the study of human anatomy. Students are encouraged to develop personal and expressive drawings.

**ARTS 2193 CERAMICS II**

Advanced techniques in wheel-thrown forms, hand building and surface decoration. Participation in glaze formulating and supervised firings. Prerequisite: ART 1193 Ceramics I.

**ARTS 2333 SCULPTURE I**

Sculpture I is a creative approach to sculpture techniques and form exploration using a variety of media, stressing the development of technical and conceptual skills.

**ARTS 2433 SCULPTURE II**

A continuation of ART 2333 Sculpture I, using a variety of media and advanced techniques to complete a series of studio assignments. Prerequisite: ART 2333 Sculpture I.

**ARTS 2450 SUPERVISED STUDY- ART**

Independent study.

**ARTS 2460 INTERNSHIP IN ART**

Allows students opportunity to study art in the workforce.

**ARTS 2563 FUNDAMENTALS OF THREE-DIMENSIONAL ART**

A study of three-dimensional design and application of art elements using a variety of materials and processes. Students will engage in critical analysis and complete a series of studio assignments.

**ARTS 2853 PAINTING I**

Painting I will develop skills in opaque painting, stressing form and content, visual appreciation, and individual expression. Still life, figure, and landscape problems are included.

**ARTS 2863 PAINTING II**

A continuation of ART 2853 Painting I. Projects will stress form and content, visual appreciation, and individual expression. Prerequisite: ART 2853 Painting I.

### **ARTS 2933 WATERCOLOR PAINTING I**

Watercolor I will develop skills in transparent water color painting, stressing form and composition, visual perception, and individual expression.

### **ARTS 2943 WATERCOLOR PAINTING II**

A continuation of Water Color Painting I (ART 2933), with stress on form and composition, visual perception, individual expression, and color theory. Prerequisite: ART 2933 Watercolor Painting I.

### **ARTS 2951 PORTFOLIO/GALLERY SEMINAR**

Preparation for graduate art exhibition: Poster design, portfolio and resume development, marketing strategies, art preparation, installation of art in the Eleanor Hays Art Gallery.

### **ASTRONOMY** (currently Enid-campus only program)

#### **ASTR 1014 SURVEY OF ASTRONOMY**

Studies the large-scale structure of the Universe and our place in it. The origin, evolution and general properties of planets, stars and galaxies are presented. Lab required. (Meets general education lab science requirement.)

#### **ASTR 1523 PLANETARY SCIENCE**

Origin and evolution of the solar system is studied, along with characteristics of terrestrial planetary atmospheres. Course also reviews characteristics of gas giant planets and ice moons, asteroids, and comets, as well as discoveries and characteristics of extra-solar planetary systems and aspects of colonization. (Meets 3 credit hours of general education science requirement but not lab science requirement.) Offered spring semester only.

#### **ASTR 1533 SEARCH FOR LIFE**

Topics include various strategies involved in the search for extraterrestrial life, the origin and evolution of planets and processes necessary for life to develop on planets. Also presented are strategies for interplanetary and interstellar travel and the exploration and colonization of space. (Meets 3 credit hours of general education science requirement but not lab science requirement.) Offered fall semester only.

#### **ASTR 2563 GALAXIES AND COSMOLOGY**

Course examines the origin of matter, energy, and forces in the early universe, as well as characteristics of various types of galaxies and the large-scale structure of the universe. General relativity and concepts of curved space are presented. (Meets 3 credit hours of general education science requirement but not lab science requirement.)

#### **ASTR 2513 OBSERVATORY METHODS**

Techniques of using telescopes and astronomical instruments, astronomical data collection and processing are covered, along with concepts of optics, CCD imaging systems and procedures for photometry and spectroscopy. A research project utilizing the NOC Observatory is required.

### **BIOLOGICAL SCIENCE**

#### **BIOL 1114 GENERAL BIOLOGY**

Introductory non-majors biology course with lab. This course includes the fundamental concepts and principles of molecular and cellular biology with emphasis on evolution, and the morphological and physiological processes of prokaryotes, protists, fungi, plants and animals. Includes appropriate laboratory work and demonstrations to implement the fundamental principles of concepts learned in theory. No prerequisites. (Meets general education lab science requirement.)

#### **BIOL 1124 GENERAL BIOLOGY FOR MAJORS**

Introductory majors biology course with lab. Course will provide an in-depth study of the principles of biology with emphasis placed on the molecular and cellular components, metabolism, genetics, evolution, and ecology. Appropriate laboratory work and demonstrations will be added to implement fundamental principles and concepts learned in theory. This course is recommended for students majoring in Biology, Pre-Medicine, Pre-Pharmacy, Nursing, Veterinary

Medicine, and for those students who wish to take an advanced biology course. No prerequisites. (Meets general education lab science requirement.)

### **BIOL 1214 INTRODUCTION TO ENVIRONMENTAL SCIENCE**

An introductory course that emphasizes the impact of humans on the environment. A survey of a broad range of environmental issues from a scientific viewpoint emphasizing the study of the structure and function of ecosystems, basic ecological and thermodynamic principles with applications to air, water, and land; human demography, population growth, food supply, and energy issues; extinction; and alternative futures. Students will examine environmental problems and ascertain how social dynamics affect policy and the decision-making process. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. No prerequisites. (Meets general education lab science requirement.)

### **BIOL 1314 GENERAL BOTANY**

Introductory majors course with lab, covering plant growth, development, and reproduction from molecular, cellular, physiological, and anatomical aspects. Genetics, classification, economical, and environmental aspects will be surveyed, including key concepts in biology. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisites: None required; however, students are encouraged to complete BIOL 1114 General Biology or BIOL 124 General Biology for Majors prior to enrollment in this course. *Offered spring semester only.* (Meets general education lab science requirement.)

### **BIOL 1414 GENERAL ZOOLOGY**

Introductory majors course with lab, covering biological principles and concepts as related to the study of animals with emphasis on structure, function, behavior, and evolution. Topics include taxonomy and systematics anatomy and physiology, ecology, genetics, and evolution. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisites: None required; however, students are encouraged to complete BIOL 1114 General Biology or BIOL 1124 General Biology for Majors prior to enrollment in this course. (Meets general education lab science requirement.) *Offered spring semester only.*

### **BIOL 2024 ENTOMOLOGY**

Basic structure, function, and classification of insects and closely-related animals. Coverage of insects in ecosystems and development of control programs that reduce reliance on chemical pesticides, including Integrated Pest Management. Lab will include identification and labeling of insects, and the procurement of an insect collection representing major orders. Prerequisites: BIOL 1114 General Biology, BIOL 1124 General Biology for Majors, or BIOL 1414 General Zoology. *Offered fall semester only.*

### **BIOL 2104 HUMAN ANATOMY**

A single semester majors course with lab. A study of the microscopic and gross anatomy of the human body. Areas of emphasis will include cytology, histology, and organ systems. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory, which includes dissection of non-human mammals. Prerequisite: BIOL 1114 General Biology, BIOL 1124 General Biology for Majors, or BIOL 1414 General Zoology. (Meets general education lab science requirement.)

### **BIOL 2124 MICROBIOLOGY**

Introductory majors course with a 3-hour lab per week. General principles of the biology of microorganisms, including bacteria, viruses, algae, fungi, protozoa and archaea, with emphasis on their morphology, physiology, immunology, and disease aspects. Includes appropriate laboratory to emphasize techniques of staining, culturing and identification of pathogenic and nonpathogenic organisms. Designed for students in the pre-professional, paraprofessional and health occupation areas. Prerequisites: BIOL 1114 General Biology, BIOL 1124 General Biology for Majors, or BIOL 1414 General Zoology, and CHEM 1315 Chemistry I. \*Students who are enrolled in the RN Nursing Program and have successfully completed first semester nursing courses may be eligible to have the Chemistry prerequisite requirement waived. (Meets general education Biological Science requirement.)

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### **BIOL 2204 HUMAN PHYSIOLOGY**

A single semester majors course with lab. Study of the functions of the human body. Emphasis includes cytology, organ systems and the interrelationships of the systems. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisite: BIOL 1114 General Biology, BIOL 1124 General Biology for Majors, or BIOL 1414 General Zoology and CHEM 1315 Chemistry I. (Meets general education Biological Science requirement.)

### **BIOL 2214 HUMAN ANATOMY AND PHYSIOLOGY**

An introduction to the anatomical and physiological principles and concepts as related to the human body. A course designed for 2-year nursing students and students enrolled in cooperative Career Tech programs. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory which includes dissection of nonhuman mammals. Prerequisites: BIOL 1114 General Biology, BIOL 1124 General Biology for Majors, or BIOL 1414 General Zoology. (Meets general education lab science requirement.)

### **BIOL 2403 INTRODUCTION TO WILDLIFE CONSERVATION**

A survey course on the many aspects of wildlife conservation. Principles of conservation and management, ecology, mathematical modeling, law enforcement, endangered species preservation, genetic diversity conservation, predator management, and inter-governmental agencies relationships are emphasized. Required field trips. Prerequisite: BIOL 1114 General Biology, BIOL 1124 General Biology for Majors, BIOL 1314 General Botany, or BIOL 1414 General Zoology. Offered spring semester only.

### **BIOL 2450 SUPERVISED STUDY IN BIOLOGY**

Independent study course in biological sciences for specific and advanced fields of study that utilize one or more components of the scientific method in conducting field or laboratory research: literature review, development of methodologies, data collection, data analysis, the writing of a report/scientific paper, and/or giving a presentation. Consent of instructor required. Credit 1 to 3 hours.

### **BIOL 2460 INTERNSHIP IN BIOLOGY**

## **BUSINESS ADMINISTRATION**

### **BADM 1103 INTRODUCTION TO BUSINESS**

An introduction to business, survey of basic functions, principles and practice of business in the nation and the world.

### **BADM 1113 DIGITAL AND FINANCIAL LITERACY**

An introductory course covering the various problems of individual/ consumer financial management with emphasis on personal budgeting, consumer loans and installment loans, credit cards and charge accounts, personal insurance, savings accounts, investments, social security, housing options, commercial bank services, financial institutions services, personal taxes, wills, estate planning, retirement planning, career planning, financial planning, and leasing arrangements. Various software applications (word processing, spreadsheet development, presentation and money management tools) are utilized to emphasize the importance and connection of financial management to the current digital age.

### **BADM 1203 INTRODUCTION TO ENTREPRENEURSHIP**

An introduction to the opportunities and challenges facing entrepreneurs in a dynamic marketplace. Topics include the analysis of personal strengths and weaknesses as they relate to launching an entrepreneurial career, an overview of the study of entrepreneurship, the principles of recognizing and exploiting viable business ventures, and foundational concepts of planning, financing, starting and managing a new business through the creation of a business plan.

### **BADM 1303 INTRODUCTION TO HOSPITALITY MANAGEMENT**

Study of hotels, restaurants, tourism and the hospitality industry from a global perspective. Emphasizes the scope of the industry including an analysis of ethical issues and career opportunities, essential management functions of the hospitality enterprise including marketing, human resources, accounting, finance, and information technologies.

**BADM 2113 BUSINESS COMMUNICATIONS**

A survey course of communication skills needed in the business environment. Course content includes writing memoranda, letters, reports, resumes, and electronic messages; delivering oral presentations; and developing interpersonal skills. Critical thinking and problem solving skills are emphasized. Development of these skills is integrated with the use of technology. Prerequisite: English Composition I (ENGL 1113) and typing ability.

**BADM 2313 BUSINESS LAW**

Course presents a history of the development of business law. Topics covered include general law of contracts, negotiable instruments, insurance, employer and employee, principal and agent and ethical issues in business decision making.

**BUSINESS MANAGEMENT AND MARKETING****MKTG 2143 MARKETING**

A survey course for students who have prior coursework and understanding in business, includes a survey of all aspects of marketing: consumer behavior issues, products, pricing, distribution, promotion, research, strategy, and trends.

*Traditionally offered in the spring semester only.*

**MGMT 2233 HUMAN RESOURCE MANAGEMENT**

An introduction to the development, application, and evaluation of policies, procedures, and programs for the recruitment, selection, development, and utilization of human resources in an organization. Traditionally offered spring semester only.

**MGMT 2240 BUSINESS INTERNSHIP**

A course that consists of interrelated work between the student and business or industry in which students combine classroom theory with on-the-job training or observation. By instructor permission only.

**MGMT 2263 PRINCIPLES OF MANAGEMENT**

An introduction to the fundamental principles of management such as planning, organizing, leading, and controlling the basic processes of a firm. Traditionally offered in fall semester only.

**CHEMISTRY****CHEM 1014 CONCEPTS IN CHEMISTRY**

An introduction to the chemical nature and properties of inorganic compounds. Topics presented include a historical development of theoretical principles, atomic and molecular structures, inorganic nomenclature, states of matter, properties of gases and solutions, acids/bases and salts, chemical equilibrium, nuclear and chemical reactions and descriptive chemistry of selected elements. Laboratories are designed to reinforce theory principles. Prerequisite: college-level math (not zero-level) or concurrent enrollment. (Meets general education lab science requirement.)

**CHEM 1315 GENERAL CHEMISTRY I**

Basic concepts of chemistry, including physical and chemical properties, formulas, equations, nomenclature, atomic structure, gases, thermochemistry, periodicity and bonding. Suitable for students in engineering, pre-medicine, physical sciences, and biological sciences. Laboratories are designed to reinforce theory principles. Prerequisite: Completion of or concurrent enrollment in MATH 1513 Algebra for STEM or MATH 1483 Math Functions for non-Physics students only. (Meets general education lab science requirement.)

**CHEM 1414 GENERAL CHEMISTRY II**

Continuation of General Chemistry I including solutions, solids and liquids, chemical kinetics, equilibria, acid-base concepts, solubility, oxidation-reduction and free energy concepts. Laboratories are designed to reinforce theory principles. Prerequisite: Chemistry I (CHEM 1315). (Meets general education lab science requirement.)

**CHEM 1515 GENERAL CHEMISTRY I FOR ENGINEERS**

Survey course engineers needing only one semester of chemistry, Thermodynamics, atomic structure, solid state, materials, equilibria, acids and bases, and electrochemistry. Prerequisites: Concurrent enrollment or completion of MATH 1513 Algebra for STEM or enrolled in a higher math course.



### **CHEM 2014 PROCESS ORGANIC CHEMISTRY**

Terminal course in organic chemistry covering general principles, methods of preparation, reactions and uses of both acyclic and cyclic compounds. Recommended for Process Tech majors, agriculture majors, home economics majors, pre-pharmacy and pre-veterinary medicine. Laboratories are designed to reinforce theory principles. Prerequisite: CHEM 1014 Concepts in Chemistry or higher level chemistry course. (Meets general education lab science requirement.) Offered spring semester only.

### **CHILD DEVELOPMENT**

#### **CHDV 1023 INTRODUCTION TO EARLY CHILDHOOD EDUCATION**

This course covers the history and realities of the early childhood profession. Students will cover the legal and ethical responsibilities that early childhood professionals must follow. Students will be able to identify best practices for developmentally appropriate environments for children in a variety of settings. They will be able to evaluate goals and objectives for early childhood settings. (Fall and Spring)

#### **CHDV 1043 CHILDREN'S MUSIC, MOVEMENT, & ART**

Emphasizes the acquisition of knowledge of and the ability to develop and implement learning experiences, using the concepts and tools of inquiry in music, movement and creative arts and perpetual motor development. Understanding and appreciating the role of the arts in the development of young children, providing them with meaningful experiences in the arts is also covered. Course combines class-room instruction, hands on activities and observations of young children in group care to develop competence in the design and implementation of curriculum and instructional strategies related to music, movement and creative arts. (Fall only)

#### **CHDV 1053 CHILDREN'S HEALTH, SAFETY, & NUTRITION**

Students will be able to identify and implement best practices for health, safety and nutrition in a variety of early childhood settings, incorporating policies and procedures for early childhood settings along with national and state standards. (Fall and Spring)

#### **CHDV 2013 BEHAVIOR, DEVELOPMENT AND GUIDANCE OF CHILDREN**

This course will cover child development from birth to eight years of age emphasizing the causes of behavior in young children in a child care setting will be introduced. Strategies necessary in implementing positive child guidance techniques within an environment of acceptance and positive regard for all children and families will be explored. Students will be able to demonstrate an ability to communicate and work collaboratively with families. (Fall and Spring)

#### **CHDV 2023 CHILDREN WITH SPECIAL NEEDS**

Emphasis on implementing practical strategies and inclusive practices. Provides understanding of conditions which affect children's development and learning, including risk factors, developmental variations and developmental patterns of specific disabilities. Addresses how to create and modify environments and experiences to meet individual needs of children with disabilities, developmental delays and special abilities. Course includes opportunities to evaluate and demonstrate appropriate use of assistive technology with young children and a review of state and federal legislation on providing services for children with disabilities and their families. Course combines lecture, hands-on and observations. (Spring only)

#### **CHDV 2033 CHILDREN'S LANGUAGE ARTS & LITERATURE**

This course will explore language development for children birth to eight years, including the interrelationships among listening, speaking, pre-writing and pre-reading skills. The student will be able to observe and outline developmental milestones of language development and communication in children. Focus on the educators' and families' roles in promoting emergent literacy in a developmentally appropriate setting. The student will review children's literature and be design effective techniques to enhance language development with emphasis on a multicultural approach. (Fall only)



**CHDV 2043 CHILD & FAMILY IN SOCIETY**

This course focuses on an understanding of how children develop within the context of the family and society. Students will demonstrate their knowledge of how diverse families, an early childhood setting and society can work together for the optimum development of children, with emphasis on American subcultures. Methods for communication, parent involvement within these settings will be discussed. (Summer only)

**CHDV 2113 CHILD DEVELOPMENT IN THE HUMAN LIFESPAN**

The study of development across the lifespan from conception to death. The principles of development, developmental theories, and the dynamics of development through a global multicultural approach within the context of the family, society, and culture.

**CHDV 2143 PRESCHOOL PROGRAMMING**

This course covers how to create, evaluate, and select developmentally appropriate materials, equipment and environments that support children's learning specific to children three years to six years. The course will focus on the design, implementation of curriculum with emphasis on developmentally, individually, culturally and creatively appropriate practices. Students will demonstrate the planning process and determine concepts and skills with assessment and evaluation based on preschoolers and their individual differences. (Fall Only)

**CHDV 2243 INFANT & TODDLER PROGRAMMING**

This course covers how to create, evaluate, and select developmentally appropriate materials, equipment and environments that support children's learning specific to children's birth through 36 months. The course will focus on the design, implementation of curriculum with emphasis on developmentally, individually, culturally and creatively appropriate practices. Students will demonstrate the planning process and determine concepts and skills with assessment and evaluation based on infant and toddlers and their individual differences. (Spring only)

**CHDV 2313 ADMINISTRATION & MANAGEMENT OF CHILD CARE PROGRAMS**

This course is an overview of administration of an early childhood program. Setting goals and developing objectives for staff recruitment, personnel policies and supervision will be discussed. State and national standards, along with how to implement developmentally appropriate practice, will be addressed. Students will study recordkeeping along with development and implementation of a budget. (Spring only)

**COMMUNICATIONS (SEE ALSO MASS COMMUNICATIONS)****COMM 1653 RADIO BROADCASTING**

The class covers the basic skills needed to operate and perform announcer responsibilities. An emphasis will be placed on digital and analog equipment operations and production techniques.

**COMM 1713 INTRODUCTION TO ORAL COMMUNICATION**

The class is an overview of the principles and techniques used to prepare, evaluate and present a speech in a formal environment. The class also covers the evaluation process in different communication situations.

**COMM 2010 SPEECH ACTIVITY PARTICIPATION- RADIO**

The student will be involved in the daily programming of the campus radio station by participating as a student radio announcer. Prerequisite: permission of instructor (4 credit hours maximum).

**COMM 2213 INTERPERSONAL COMMUNICATION**

This course covers the essential elements needed for students to have effective communication skills with other individuals, including the global and cultural significance of individual and small group communication. The course will cover listening, non-verbal communication, interviewing skills, conflict resolution, and leadership communication styles.

## **COMPUTER SCIENCES**

### **CMSC 1013 VISUAL BASIC PROGRAMMING**

An introduction to Visual Basic programming. This course includes graphical user interface design, event driven programming, tool box controls and properties, basic control structures and dynamic arrays. Traditionally offered in the Spring semester only.

### **CMSC 1113 COMPUTER CONCEPTS**

An introduction to beginning level application software use, vocabulary, and introductory hardware and software concepts. Hands-on use of microcomputers will introduce computer operating systems; file management; internet; use of system tools; word processing, spreadsheet, database and presentation software.

### **CMSC 2123 BUSINESS TECHNOLOGIES AND APPLICATIONS**

Computer concepts, terminology and software applications. An overview of hardware and software components, file structures, management information systems, futuristic trends, database management systems, system analysis and design and data communications. Also included is an introduction to database, spreadsheet and word processing software application packages and application programming. Prerequisite: CMSC 1113 Computer Concepts or BADM 1113 Digital and Financial Literacy.

### **CMSC 2203 PYTHON PROGRAMMING**

An overview of programming using the Python language that includes hardware, the operating environment and language interpreter, internal computer data representation, the Python logical and arithmetic operators and operator precedence, flow of control, user and file input/output, user-defined functions, arrays, classes and objects. *Traditionally offered in the fall semester only.*

### **CMSC 2303 JAVA PROGRAMMING**

An overview of programming using the Java language plus practical object-oriented principles focusing on how to develop Java applications, including fundamental control structures, file, input/output, and a study of arrays. *Traditionally offered in the spring semesters only.*

### **CMSC 2313 PROGRAMMING WITH C++**

An overview of programming using the language C++ that includes fundamental control structures, files, input/output, and arrays. *Traditionally offered in the fall semesters only.*

## **CRIMINAL JUSTICE ADMINISTRATION**

### **CRMJ 1113 INTRODUCTION TO CRIMINAL JUSTICE**

This course is a survey of the American Criminal Justice System to include all components, police, courts and corrections. It defines each component's function. The course also examines one component's effect on the other components through historical development and modern concepts.

### **CRMJ 1223 CRIMINAL LAW-ADMINISTRATION OF JUSTICE**

This course is the study of substantive criminal law through both general and specific elements of the major crimes of our society. Prerequisite: CRMJ 1113 Introduction to Criminal Justice

### **CRMJ 1333 CRIMINAL EVIDENCE**

This course is the study of the basic rules of evidence applicable to criminal law and criminal procedure. The course also explains the exceptions to those rules and procedures.

### **CRMJ 1523 INTRODUCTION TO CORRECTIONS**

This course analyzes the history of, theories of, and descriptions of the corrections system of justice. Contemporary correctional practices and functions of agencies and personnel will be presented and discussed to identify best practices.

### **CRMJ 2113 CRIMINAL INVESTIGATION**

This course explains the techniques and skills of the investigation of crimes that affect our society. This process includes fact gathering, testing of hypotheses and the problem of proof.

**CRMJ 2233 JUVENILE DELINQUENCY**

This course studies the organization, functions and jurisdiction of juvenile agencies and juvenile court. It also includes the study of the special problems juveniles face in our society.

**CRMJ 2450 SUPERVISED STUDY IN CRIMINAL JUSTICE**

Credits in this course area are confined to student independent studies and practicum programs.

**CRMJ 2460 INTERNSHIP IN CRIMINAL JUSTICE**

This course offers an introduction to the opportunities and challenges of the criminal justice system. Career exploration experiences allow the student to investigate specific job requirements and work environments. Reports must be completed during the internships.

**DEVELOPMENTAL STUDIES AND LEARNING ASSISTANCE****DEVS 1101 ACADEMIC SUCCESS STRATEGIES**

This course is designed to assist students who have been suspended and readmitted under probation to determine the behaviors that led to their suspension and the behavioral changes necessary to succeed in college. It includes information on goal setting, time management, study skills, test taking, and the academic community.

**DEVS 1102 CRITICAL THINKING**

This course is designed to help students develop the cognitive skills needed to effectively identify, analyze and evaluate arguments and truth claims as it relates to college studies with an emphasis on scientific research, theory and application. The course is also designed to teach, enhance and/or improve the students' methodology to prepare for more effective reasoning skills and improved cognitive skills to be used not only in college, but also in life.

**DEVS 1112 WORLD OF WORK**

Assists students in exploring career options through increased understanding of self and expanded knowledge of occupational information. Includes a study of decision-making process and present and future changing world of work.

**DIGITAL MEDIA, ANIMATION AND DESIGN (all courses restricted to DMAD majors only)****DMAD 1113 INTRODUCTION TO DIGITAL VIDEO – 2D ANIMATION**

A study of time based animation, introduces the student to basic concepts and theories of compositing, sequencing, editing, rendering, and organization. Students will also learn how to communicate ideas and information through the use of these elements.

**DMAD 1133 INTRODUCTION TO 3D ANIMATION**

This course will introduce students to the basic concepts and possibilities of computer animation using the most popular industry standard 3D program, along with general animation concepts as modeling, texturing, animation and basic rendering. The goal of this class is to build familiarity with the tools, terminology, and ideas involved in the 3D world.

**DMAD 1213 GRAPHIC DESIGN**

This course trains students in an environment that balances visual art with design software. This class emphasizes the design of visual communications where students acquire concepts and problem-solving skills as they relate to the marketing of products through graphic and motion graphic design.

**DMAD 1233 DIGITAL FILMMAKING**

This course is an introduction to the art and techniques of digital cinema combined with multimedia technology. Students will be exposed to a variety of software that incorporates interactivity and digital video. Over the course of the semester, teams will work through the three phases of a digital film production: pre-production, production and post-production. Emphasis is placed on the short form video and the manipulation of footage to include graphic and 3D elements, composited imagery and other visual effects.

### **DMAD 2313 MOTION GRAPHICS I**

By adding concepts of motion and timing to text and graphics, students will create dynamic graphics for broadcast video, titling, animation and interactive applications. Particular emphasis will be placed on the integration of motion messages with graphics, video and still images for the on-screen environment and spot advertisements.

### **DMAD 2323 3D ANIMATION II**

This course builds on the concepts and skills introduced in Introduction to 3D Animation. Students will continue to develop practical knowledge of 3D animation and expand their skills using Maya for intermediate level polygon and NURBS modeling, texturing, animating and includes an introduction to rigging.

### **DMAD 2333 3D ANIMATION III**

This course further develops the student's skills in different 3D applications. This course will emphasize more advanced studies on texturing, proportions, movement, focus points and light intensity to gather more experience to develop a time/space relationship of a 3D conceptual model.

### **DMAD 2343 TEXTURING**

This course will focus on different texturing methods that include UV mapping and creating custom color, bump, specular, reflection and other texture maps for 3D models created by students in previous projects assigned.

### **DMAD 2353 DIGITAL VIDEO II – POST-PRODUCTION**

This course explores short-form video and its relationship to new digital technology, focusing specifically on digital post-production. The projects for this course are theme-based and provide students with a conceptual root by which to develop an artistic timing skill necessary in the field of Digital Media. This course will employ various media types such as motion graphics, motion menus, animations, sound, and video. Students will complete the course by implementing their final rendered project and post it to their Vimeo Channel.

### **DMAD 2373 MOTION GRAPHICS II**

This course extends the skills and concepts from Motion Graphics I by teaching advanced features such as expressions, compositing and visual effects. Students will also incorporate 3D elements from Maya into After Effects for their specified projects.

### **DMAD 2383 MULTIMEDIA PROJECT**

This capstone project brings all of the separate multimedia elements together into a comprehensive multimedia package including web, video, sound, 2D and 3D animation. These projects will be structured to simulate real-world, commercial multimedia production. Major projects will include the student's personal biography for an interactive DVD and on-line portfolio.

### **DMAD 2393 EMERGING NEW MEDIA**

This course develops practical applications in the creation of digitally mediated communication for entertainment using concepts and skills for creating real world production experience in designing content creation. A range of the newest cutting edge media will be used for this course. This allows the student to exercise forward-thinking, conceptualization, innovation, critical thinking, and visualization for specific projects.

## **EARTH SCIENCE**

### **ESCI 1214 EARTH SCIENCE**

Subject matter content is composed of general concepts taken from the science areas of geology, astronomy, meteorology, and oceanography. A combination lecture, demonstration, discussion, and laboratory experience. (Meets general education lab science requirement.)

**ESCI 2450 SUPERVISED STUDY IN SCIENCE**

Independent study course in the earth sciences for specific and advanced fields of study that utilize one or more components of the scientific method in conducting field or laboratory research: literature review, development of methodologies, data collection, data analysis, the writing of a report/scientific paper, and/or giving a presentation. Instructor permission required. Credit-- 1 to 3 hours.

**ECONOMICS****ECON 2113 MACROECONOMIC PRINCIPLES**

An introduction to the functioning of the aggregate economy. Topics include basic principles of demand and supply, national income accounting, business cycles, employment, inflation and price stabilization, fiscal policy, monetary policy, economic growth, and aspects of the international trade and finance. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM or concurrent enrollment with instructor permission.

**ECON 2123 MICROECONOMIC PRINCIPLES**

An introduction to the specific components of economic systems with emphasis given to basic principles of demand and supply, elasticity, opportunity cost, utility analysis, production and cost, market structures, factor market, government regulations and international trade. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM or concurrent enrollment with instructor permission.

**ELECTRONICS TECHNOLOGY****ELEC 1123 ELECTRICALMOTOR CONTROLS**

Students will study industrial electrical symbols and line diagrams, logic as applied to line diagrams and control circuits, AC contractors and motor starters, reversing circuits as applied to motor types, and electromechanical and solid state relays. Instruction will include application and installation of control devices and applications of photoelectric and proximity controls. Safety will be emphasized throughout the course.

**ELEC 1253 DC ELECTRONICS**

Fundamental course in direct current (DC) electric circuits. Instruction is provided in the basic laws associated with DC circuit theory and in the operation of resistors, capacitors, and inductors. This course is supplemented with projects and hands-on activities related to circuits and use of electronics test equipment. Students will be exposed to data measurement, interpretation, troubleshooting, and documentation of test results and conclusions.

**ELEC 1263 AC ELECTRONICS/PHOTONICS**

Fundamental course in AC circuit components, configurations, and characteristics. Content includes circuit theorems, AC quantities and calculations, component characteristics, circuit analysis, and applications.

**ELEC 1363 ELECTRONIC DEVICES/STANDARDS**

This course introduces theory, characteristics, and applications of most of the basic electronic devices, including solid devies used in industry. The course expands upon theory and applications of ELEC 1253 and ELEC 1263.

**ELEC 2003 HYDRAULICS**

This course is designed to integrate theory and application of fundamental fluid power principles and formulas. The course will offer students hands-on experience with functional characteristics of hydraulic components, including pumps, flow valves, pressure valves, directional valves, hydraulic motors, filters, cylinders, and accumulators. Students will learn field circuit/component adjustment techniques and in-depth troubleshooting.

## **ENGLISH**

### **ENGL 0122 SUPPLEMENT TO COMPOSITION I**

Designed to provide supplemental instruction for ENGL 1113 English Composition I. Extra practice in grammar, writing, focus, and audience analysis, in addition to topics covered in English Composition I. Students must be enrolled in ENGL1113 in the same semester as ENGL 0122. A student must have a 15-18 ACT score to enroll.

### **ENGL 0123 BASIC COMPOSITION**

Designed to introduce or review sentence structure, punctuation and writing skills. Basic composition prepares students to master the skills necessary for writing effective college-level papers.

### **ENGL 1113 ENGLISH COMPOSITION I**

This course includes the fundamentals of expository writing with emphasis on structure, development, sentence style and grammatical correctness.

### **ENGL 1213 ENGLISH COMPOSITION II**

This course includes a review of the fundamentals of expository writing with emphasis on argumentation, research techniques and style, used in literary and personal writing. Prerequisite: ENGL 1113 English Composition I or equivalent.

### **ENGL 1223 TECHNICAL WRITING**

This course emphasizes clarity, conciseness, correctness and accuracy that address technical and general audiences. Students will write letters, a proposal, a formal report and other documents that relate to technical topics in their major fields. Prerequisite: ENGL 1113 English Composition I or equivalent.

### **ENGL 1413 INTRODUCTION TO LITERATURE**

A critical introduction to the major genres of English, American, and world literature—fiction, poetry, and drama. (Meets requirement for humanities elective.)

### **ENGL 1450 LANGUAGE ARTS SEMINAR**

This course includes various fields of English studies, including literary travels, book discussions, poetry readings and seminars. This course is open to change according to the various needs of students and the discretion of Language Arts instructors. Credit hours earned will depend on the specific topic and study involved.

### **ENGL 2113 SURVEY OF WORLD LITERATURE BEFORE 1650**

Reading, writing, and discussion of selected major writers from ancient and classical times to the beginnings of the European Enlightenment. Prerequisites: English Composition I (ENGL 1113) or equivalent. (Meets requirement for humanities elective and designation for International dimension)

### **ENGL 2223 SURVEY OF WORLD LITERATURE SINCE 1650**

Reading, writing, and discussion of selected major writers from the European Enlightenment to the present. Prerequisites: English Composition I (ENGL 1113) or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

### **ENGL 2233 ENGLISH GRAMMAR FOR EDUCATORS**

This course will review usage and mechanical guidelines through study of diagrams and in-class drills suitable for K-12 instruction.

### **ENGL 2413 INTRODUCTION TO CREATIVE WRITING**

This course includes the study and practice of creative writing as it pertains to poetry, fiction, and creative nonfiction, both from a critical and personal perspective.

### **ENGL 2423 INTRODUCTION TO FICTION WRITING**

A practical study of the techniques of fictional narrative, with particular emphasis on the development of narrative voice. Students will learn to identify specific rhetorical devices professional writers employ and apply those techniques to their own original works of fiction. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.



**ENGL 2433 INTRODUCTION TO POETRY WRITING**

A thorough overview of the basics of writing both traditional and experimental verse. Students will study genres, forms, sonic devices, and rhetorical strategies, with an emphasis on developing a unique voice through workshops and guided study of models both old and new. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.

**ENGL 2450 SUPERVISED STUDY IN LANGUAGE ARTS**

This course involves a one-on-one discussion and study with a language arts instructor to meet a student's specific language arts need.

**ENGL 2453 INTRODUCTION TO NONFICTION WRITING**

A practical study of the techniques of contemporary nonfiction, with particular emphasis on the development of individual voice. Students will learn to identify specific rhetorical devices professional writers employ, and apply those techniques to their own original works of nonfiction. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.

**ENGL 2543 SURVEY OF BRITISH LITERATURE TO 1800**

Reading, writing, and discussion of selected works of major British and Irish authors from the beginning to the Romantic Period. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) Offered spring semester only.

**ENGL 2653 SURVEY OF BRITISH LITERATURE FROM 1800 TO THE PRESENT**

Reading, writing, and discussion of selected works of major British and Irish authors from the Romantic Period to the present. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) Offered fall semester only.

**ENGL 2773 SURVEY OF AMERICAN LITERATURE TO 1877**

Reading, writing, and discussion of selected major writers from Bradford to Whitman. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) Offered fall semester only.

**ENGL 2883 SURVEY OF AMERICAN LITERATURE FROM 1877 TO THE PRESENT**

Reading, writing and discussion of selected major writers from Whitman to the contemporaries. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) Offered spring semester only.

**ENGINEERING****ENGR 1111 INTRODUCTION TO ENGINEERING**

An introduction to the study and practice of engineering. Review of the expected behavior and role of engineers in society. An introduction to engineering ethics; safety issues, and the relationship to social, global and contemporary issues.

**ENGR 2111 ENGINEERING MECHANICS I**

Laboratory experience, which serves to combine the elements of theory and practice using open-ended problems and engineering design. Problem solving methods used in the study of Statics, and the application of computers for technical calculations, problem solving, data acquisition and processing. Prerequisite: Concurrent enrollment in ENGR 2113 Statics.

**ENGR 2113 STATICS**

Topics include: resultants of force systems, static equilibrium of rigid bodies, statics of structures, distributed forces, centroids, internal forces, friction and moment of inertia. Shear and moment diagrams. Prerequisites: MATH 2144 Calculus I and I PHYS 2014 Engineering Physics I or PHYS 1114 General Physics I. Concurrent enrollment in ENGR 2111 is required. Offered spring semester only.

### **ENGR 2121 ENGINEERING MECHANICS II**

Laboratory experience, which serves to combine the elements of theory and practice using open-ended problems and engineering design. Problem solving methods used in the study of Dynamics, and the application of computers for technical calculations, problem solving, data acquisition and processing. Prerequisite: Concurrent enrollment in ENGR 2123 Dynamics.

### **ENGR 2123 DYNAMICS**

Analyzing the kinematics and kinetics of particles, systems of particles and rigid bodies from a Newtonian viewpoint utilizing vector algebra and calculus. Also analyzing situations using the work-energy and impulse-momentum principles. Prerequisite: ENGR 2113 STATICS.

### **ENGR 2433 THERMODYNAMICS**

The solving or problems related to the study of the first and second laws of thermodynamics, ideal gases: mixture of ideal gases; and heat pump, vapor and gas-powered systems and refrigeration cycles. Use of algebra and calculus to solve equations of state. Prerequisites: CHEM 1315, General Chemistry I or CHEM 1515 Chemistry for Engineers, and PHYS 2014, Engineering Physics I. Enrollment in a one credit hour lab is also required. Offered fall semester only.

### **ENGR 2533 ELECTRICAL SYSTEMS**

Topics include electrical circuit components: AC and DC circuit analysis; mesh and nodal formulation of network equations; transient and steady state response to sinusoidal and step sources; Ohm's and Kirchhoff's Laws; Thevenin and Norton circuits; source transformations; energy, power, Laplace Transform and matrix representations.

## **GEOGRAPHY**

### **GEOG 2243 FUNDAMENTALS OF GEOGRAPHY**

This introductory course addresses five fundamental themes in geography: location, place, relationships within place, migration and regions. Because geography knowledge is important to an understanding of important national and international problems addressed in the daily news, current events will be included in this class.

### **GEOG 2253 WORLD REGIONAL GEOGRAPHY**

A regional study of the world with emphasis on socioeconomic, cultural and environmental conditions found within each region. Additional topics will cover landscape-culture, political and historical events necessary to better understand each region. Maps and vocabulary are an essential part of this class.

## **GEOLOGY**

### **GEOL 1114 PHYSICAL GEOLOGY**

The study of the physical systems of earth including mountain building, plate tectonics, volcanism, earthquakes, seafloor spreading, erosion and deposition. Laboratory emphasis is on the study of rocks, minerals, geological and topographical map reading and the usage of standard geological equipment. (Meets general education lab science requirement.)

## **GLOBAL STUDIES**

### **GLBL 2001: INTRODUCTION TO STUDY ABROAD**

This course is designed to address issues of travel and study abroad to enable students to get the most out of their international experience. Students will gain insight on various travel and study abroad resources that are available, current issues related to student travel, and will research specific information on the country or region relevant to their travels. Prerequisite: instructor permission and enrollment in a NOC study abroad program. (typically offered in an 8-week format)

**GLBL 2113: GLOBAL STUDIES IN HUMANITIES**

A faculty-supervised studies course involving a student researching a particular country or region's cultural fields such as literature, music, arts, anthropology, religion, and/or historical and philosophical ideals. Prerequisite: instructor permission (Meets requirement for humanities elective and International dimension)

**GLBL 2123: GLOBAL CULTURE AND SOCIETY**

A faculty-supervised studies course involving a student researching a specific cultural field in a particular country or region. Students may examine cultural fields such as literature, music, visual and performing arts, anthropology, religion, language, history, and philosophy. Prerequisite: instructor permission (Meets requirement for humanities elective and International Dimension)

**GLBL 2133 INTRODUCTION TO INTERNATIONAL BUSINESS CULTURES**

An introduction to the issues related to cross-cultural business practices. Students will examine all or several of the following areas of a specific country or region: intercultural communications and behavior, globalization, global business environments, historic or ideological impacts on business, and the influence of culture in the arena of global business. (Study abroad course requires instructor permission. Meets requirement for humanities elective and International dimension)

**GLBL 2143 INTRODUCTION TO GLOBAL POLITICAL ISSUES**

A faculty-supervised studies course that will focus on various contemporary global political issues and their historical roots. Students will also examine key international organizations, institutions, and other actors as they relate to global political issues related to a specific country or region. Prerequisite: instructor permission (Meets requirement for International dimension).

**HEALTH AND PHYSICAL EDUCATION- ACTIVITY****HPEA 1221 WEIGHT TRAINING**

Instruction and participation in the use of free weights and various weight machines for the purpose of developing muscular strength and endurance.

**HPEA 1511 CHEERLEADING**

Credit given for a full semester of participation in cheerleading and/or pompoms.

**HEALTH AND PHYSICAL EDUCATION THEORY****HPET 1113 NUTRITION**

Course designed to introduce students to the basics of good nutrition. Emphasis will be placed on the five food groups, the six nutrients and food related disorders. Students will learn how to eat a healthy diet based on their personal needs.

**HPET 1132 SPORTS OFFICIATING**

Game administration and fundamental principles, rules, mechanics and techniques of officiating fall semester sports: football, volleyball and basketball. Laboratory work in the intramural program will be required.

**HPET 1142 SPORT OFFICIATING II**

Game administration and fundamental principles, rules, mechanics and techniques of officiating spring semester sports: basketball, baseball and softball. Laboratory work in the intramural program will be required.

**HPET 1223 HEALTH EDUCATION AND WELLNESS**

A course directed toward the acquisition of knowledge and appreciation concerning health for effective living.

**HPET 1232 PERSONAL TRAINING PRACTICUM I**

Students will observe and discuss personal training techniques used in various workout settings to enhance performance. Twenty five hours of observation required. Offered fall semester only.

### **HPET 1233 INTRO TO PERSONAL TRAINING I**

This course is designed to introduce the field of personal training. It will introduce coursework relevant to personal training, such as screening and evaluating clients for safe participation, exercise prescription and other personal training topics. Offered fall semester only.

### **HPET 1242 PERSONAL TRAINING PRACTICUM II**

Students will apply personal training techniques with various active populations of society. They will continue to discuss personal training techniques used in various workout realms. Seventy five hours of observation required. Offered spring semester only.

### **HPET 1243 INTRO TO PERSONAL TRAINING II**

This course is designed to bridge the gap between clinical exercise science-related coursework and the practical application skills of personal training. A Certified Personal Trainer (CPT) credential\* is available through the National Council on Strength and Fitness (NCSF) upon completion of the course. Offered spring semester only. \*Upon successful passing of the National Council on Strength and Fitness Certified Personal Trainer (CPT) Exam, students will have earned the title of NCSF-CPT. Sitting for the exam is optional.

### **HPET 1950 PHYSICAL EDUCATION FIELD EXPERIENCE**

HPE&R majors will be required one semester of work assignments within the department and under the supervision of a faculty member. They will help in setting up and running athletic contests, assisting in swimming pool and fitness center operations and work in various classes.

### **HPET 1952 INTRODUCTION TO HPE&R**

A study of the field of physical education/health concerning its foundational principles, aims, objectives, contributions, future, directions, problems, vocational opportunities and career possibilities. Offered fall semester only.

### **HPET 2052 INTRODUCTION TO COACHING**

A course designed to give students an early exposure to the coaching field; a study of the different theories, philosophies and problems encountered in coaching. Offered spring semester only.

### **HPET 2212 FIRST AID**

This course provides knowledge and practical experience in the emergency care of injuries and sudden illness, including cardiopulmonary resuscitation. CPR certification is available to the student through the course.

### **HPET 2382 ATHLETIC TRAINING PRACTICUM I**

Students will observe injury evaluation, the use of therapeutic modalities, prophylactic taping and rehabilitation techniques used by Athletic Trainers to enhance performance. Offered fall semester only.

### **HPET 2450 SUPERVISED STUDY IN HPE&R**

Independent Study, only for HPE&R majors.

### **HPET 2482 ATHLETIC TRAINING PRACTICUM II**

Students will apply therapeutic modalities, prophylactic taping, and rehabilitation techniques to athletes. Furthermore, they will continue observing the evaluation of athletic injuries. Offered spring semester only.

### **HPET 2633 CARE & PREVENTION OF ATHLETIC INJURIES**

A general introduction to different forms of therapy in treatment of athletic injuries—care, treatment and prevention.

Health and Physical Education- Varsity Sports

### **HEALTH AND PHYSICAL EDUCATION VARSITY**

#### **HPEV 2211 WOMEN'S VARSITY BASKETBALL**

Credit for a full semester participation in varsity basketball.

#### **HPEV 2231 WOMEN'S VARSITY VOLLEYBALL**

Credit for a full semester participation in varsity volleyball.

#### **HPEV 2241 MEN'S VARSITY BASKETBALL**

Credit for a full semester participation in varsity basketball.

### **HPEV 2251 MEN'S VARSITY BASEBALL**

Credit for a full semester participation in varsity baseball.

### **HPEV 2261 WOMEN'S VARSITY SOFTBALL**

Credit for a full semester participation in varsity softball.

### **HPEV 2271 WOMEN'S VARSITY SOCCER**

Credit for a full semester participation in varsity soccer.

### **HPEV 2291 MEN'S VARSITY SOCCER**

Credit for a full semester participation in varsity soccer.

## **HEALTH STUDIES**

### **HLTH 1113 MEDICAL TERMINOLOGY**

This course will introduce students to Latin and Greek base terminology used in the fields of medicine and health care. Students will learn a word-building system with specific emphasis on root words, prefixes, suffixes and abbreviations used in defining, spelling and pronouncing medical terms. This course is intended for students whose degree is in the medical field. It is recommended that students take this class prior to enrollment in BIOL 2104 Human Anatomy, BIOL 2204 human Physiology and BIOL 2214 Human Anatomy & Physiology.

## **HISTORY**

### **HIST 1113 HISTORY OF ANCIENT WORLD CIVILIZATION**

The course focuses on the history of the ancient civilizations of the world. Included is an overview of the historical development of politics, religion and society in civilizations that existed prior to 1500. The course provides a frame of reference with which to comprehend the principal events and eras in World history. (Meets requirement for humanities elective and designation for International dimension.)

### **HIST 1223 HISTORY OF MODERN WORLD CIVILIZATION**

The course focuses on the history of the modern civilizations of the world. Included is an overview of the historical development of politics, religion and society in the civilizations that have existed since 1500. The course provides a frame of reference with which to comprehend the principal events and eras in World history. (Meets requirement for humanities elective and designation for International dimension.)

### **HIST 1483 AMERICAN HISTORY TO 1877**

An introductory survey spanning discovery of the new world, colonization, national development and concluding with the Reconstruction era.

### **HIST 1493 AMERICAN HISTORY SINCE 1877**

A general survey of the key individuals and many social, economic and political developments that have influenced and molded the nation from the end of the Reconstruction era to the present.

### **HIST 1713 HISTORY OF EASTERN CIVILIZATION**

This course covers the history of the major regions of eastern civilizations including East Asia, South Asia, West Asia, and Africa. From pre-history to approximately 1700 A.D. the origins, development and evolution of these civilizations will be discussed. (Meets requirement for humanities elective and designation for International dimension.)

### **HIST 2213 HISTORY OF NATIVE AMERICAN CIVILIZATION**

The course is a study of the historical development of Native American civilization with emphasis upon the art, music, literature, religion, law, and way of life of the Native American society. [Formerly ANTH 2363 Native American Culture] (Meets requirement for humanities elective)

### **HIST 2323 OKLAHOMA HISTORY**

A regional historical approach dealing with Oklahoma from the earliest time of European exploration to the present. Topics include the establishment of Indian Territory, allotments and homesteads, biographical studies, contemporary politics and an introduction to historical literature.

### **HIST 2450 SUPERVISED STUDY IN HISTORY**

Independent study.

## **HUMANITIES**

### **HUMN 1133 WORLD RELIGIONS**

This course covers a study of the major religions of the world such as Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam with a view to understand the general beliefs and history of each religion. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

### **HUMN 2103: Introduction to American Studies (currently offered at OSU as AMST 2103)**

Interdisciplinary study of American civilization through case studies of American cultural groups and perceptions in order to understand the multiple roles of culture in American life. It will also investigate concepts of American cultural diffusion including: Americanization, McDonaldization, sports, entertainment, and politics. (Meets requirement for OSU Diversity dimension)

### **HUMN 2113 HUMANITIES-ANCIENT ARTS AND CULTURE**

This course involves the study of literature, the graphic arts and music in relation to the historical and philosophical settings of ancient and medieval periods from a global perspective. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

### **HUMN 2223 HUMANITIES-MODERN ARTS AND CULTURE**

This course involves the study of literature, the graphic arts and music in relation to the historical and philosophical settings. Covers the period from the end of the European Middle Ages to the present from a global perspective. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

### **HUMN 2450 SUPERVISED STUDY IN HUMANITIES**

This course involves a one-on-one discussion and study with a humanities instructor to meet a student's specific humanities need.

### **HUMN 2550 HUMANITIES STUDIES ABROAD**

(Meets requirement for humanities elective and designation for International dimension)

## **FOREIGN LANGUAGES**

### **LANG 1125 ELEMENTARY SPANISH I**

Pronunciation, elements of grammar, easy readings, conversation and composition. Courses (LANG 1114 and 1224) are not for students having had two years of Spanish in high school.

### **LANG 1213 AMERICAN SIGN LANGUAGE**

This course is an introduction to American Sign Language (ASL) and the deaf culture. It addresses signs and elements of grammar associated with ASL building the receptive and expressive skills necessary to communicate basic vocabulary and simple phrases used in everyday life. Prerequisites: There are no prerequisites.

### **LANG 1235 ELEMENTARY SPANISH II**

Listening and responding skills are emphasized along with grammar, geography and culture. Prerequisite: 4 or 5 hours Spanish. Offered on sufficient demand.



## **LEADERSHIP**

### **LEAD 1331 LESSONS IN LEADERSHIP**

An introduction to leadership to promote the growth and development of student leaders through implementation of campus pride projects and leadership team service projects.

### **LEAD 2313 INCLUSION LEADERSHIP**

A year-long leadership and mentoring program for college sophomores and high school seniors focusing on inclusion and diversity in a global society utilizing technology.

## **MASS COMMUNICATIONS (SEE ALSO COMMUNICATIONS)**

### **MCOM 1013 INTRODUCTION TO MASS COMMUNICATIONS**

This is a survey course emphasizing communication theory, mass media history and ethics, and the operation and structure of the American communication system.

### **MCOM 1113 WRITING FOR MASS MEDIA**

The course will cover the basic skills and terminology associated with the broadcast journalism profession. The student will learn to gather, record, edit and broadcast information for a produced newscast. An emphasis will be placed on the difference between print and broadcast journalistic style.

### **MCOM 1123 NEWS REPORTING & WRITING**

Fundamentals of news reporting skills with emphasis on developing a broad range of skills in writing in specialized areas including interviewing techniques, beat reporting, court reporting, alternatives to the inverted pyramid, sports reporting, investigative writing, editorial writing, newspaper ethics and media law. Prerequisite: Writing for Mass Media (MCOM 1113).

### **MCOM 1133 BEGINNING PHOTOGRAPHY**

Basic photographic techniques and digital applications. A study of the fundamentals of photography for the beginning student or hobbyist interested in gaining a familiarization of basic concepts. The class will study the controls found on adjustable cameras, basic photographic techniques, composition, available light and flash photography, black & white and color images, and basic digital photography workflow.

### **MCOM 2013 PRINCIPLES OF ADVERTISING**

Survey of advertising industry, media functions, careers in advertising, social and economic aspects, budgets, appropriations, rate structures, terminology, basic elements and purposes of advertising.

### **MCOM 2023 PHOTOJOURNALISM**

The application of photography for journalistic coverage of feature, news, and public relations needs. Students will examine various styles, digital imaging, and ethics.

### **MCOM 2033 PRINCIPLES OF PUBLIC RELATIONS**

This introductory course provides a general overview of the theories and practices of public relations, including its historical development as a discipline, its international nature, and its current role in law, ethics, and globalized communication for both organizations and society.

### **MCOM 2223 BROADCAST JOURNALISM**

Basic skills and terminology of broadcast journalism. Gathering, recording, editing and casting of news material for on-air use are explored. Special emphasis on differences between print and broadcast journalistic style.

### **MCOM 2240 MULTIMEDIA PRACTICUM**

Fundamentals of layout and design as used in a magazine and newspaper approaches are applied to the student newspaper and yearbook in the desktop publishing environment with practical skills in writing, advertising, photography and editing.

### **MCOM 2283 INDUSTRY ISSUES**

This is a seminar course dealing with current topics affecting the field of photography and digital imaging. Students will be expected to identify the specific area of photography in which each wants to work. Students will make short and long range goals, prepare a resume, make industry contacts, perform job searches, study interview skills and study the basics of running a photography business. Students will finalize their student portfolio. They will attend relevant industry conferences and visit current working photographers and industry related businesses. Prerequisite: Students should be in the final semester of the Photography and Digital Imaging major.

### **MCOM 2450 SUPERVISED STUDY IN JOURNALISM**

This class is an independent study agreement between the instructor and student. The requirements will be developed and supervised by the instructor.

### **MCOM 2460 INTERNSHIP IN JOURNALISM**

This is an internship agreement between the student, instructor and media supervisor to allow the individual student to gain practical experience in the daily operations of the participating media facility.

## **MATHEMATICS**

### **MATH 0021 SUPPLEMENT TO MATH APPLICATIONS**

This course is intended for supplemental instruction for Math Applications. The topics covered may include solving equations, using formulas, graphing, percents, exponents, geometry, as well as other topics of concern that may arise. Students must be enrolled in a Math Applications class. PREREQUISITES: ACT 0-18 or appropriate test scores.

### **MATH 0031 SUPPLEMENT TO MATH FUNCTIONS**

This course is intended for supplemental instruction for Math Functions. The topics covered may include solving equations, using formulas, graphing, using the graphing calculator, rates of change and interpreting solutions. Students must be enrolled in a Math Functions class. Prerequisites: ACT 0-18 or appropriate test scores.

### **MATH 0122 SUPPLEMENT TO ALGEBRA FOR STEM**

Designed to provide supplemental instruction for topics covered in Algebra for STEM. Extra practice on factoring, solving quadratics, graphing, working with radical and rational expressions, in addition to other topics from Algebra for STEM that may require attention. Students must be enrolled in an Algebra for STEM class. Prerequisite: ACT 17-18 or appropriate test scores.

### **MATH 0123 PRE-STEM ALGEBRA**

Designed to provide in-depth applications of algebra necessary to complete college-level mathematics. Includes topics such as factoring, rational expressions, simplifying radical expressions, quadratic equations and graphing linear equations in two variables. This course meets the deficiency requirements for students who do not meet entrance requirements by either high school course work or equivalent placement scores. Prerequisite: ACT 0-16 or appropriate test scores.

### **MATH 0132 STATISTICS SUPPLEMENT**

This course is intended for supplemental instruction for Statistics. The topics may include solving equations, using formulas, inequalities, graphing, probabilities, confidence intervals, hypothesis testing and regression. Prerequisite: ACT 0-18 or appropriate placement scores.

### **MATH 1104 TECHNICAL MATH-ALGEBRA/TRIGONOMETRY**

A course designed for those students entering the electronics field. Students will study algebraic fractions, fractional equations, graphs, simultaneous equations, determinants, exponents and radicals, quadratic equations, network amplification, angles, phasor algebra and logarithms. In addition, this course involves the study of right angles, trigonometric functions, trigonometric tables, trigonometric identities and equations and applied trigonometry to electronic problem solving.

**MATH 1133 TECHNICAL MATH**

A course designed for students entering technical fields. Topics to be included are fundamental concepts of basic mathematics, the metric system and conversions, algebra equations and formulas, graphing, exponents and logarithms, geometry and trigonometry, and statistics. Prerequisite: "C" or better in MATH 0123 Concepts of Algebra or appropriate placement score. Offered fall semester only.

**MATH 1233 PROBABILITY AND STATISTICS**

This course is an introduction to statics, probability and data interpretation for non-mathematics majors. Topics include the following: Organizing data, measures of central tendency, variation, and position, the normal distribution, counting techniques, basic probability, data interpretation, and real work application. This course was specifically designed for Pre-Education majors and will satisfy one of the math requirements for pre-education majors (elementary education, special education, early childhood education). This is not a replacement for Elementary Statistics. Prerequisite: "C" or better in MATH 1483 Math Functions, MATH 1493 Math Applications, or MATH 1513 Algebra for STEM.

**MATH 1483 MATH FUNCTIONS**

This course is designed to analyze functions using equations, graphs, and tables from the viewpoint of rates of change. It explores linear, exponential, logarithmic, and other functions with applications to the natural sciences, agriculture, business, and the social sciences. Not appropriate for students in math, science, or engineering majors. Prerequisite: Appropriate test scores.

**MATH 1493 MATHEMATICAL APPLICATIONS**

A college level math course that fulfills the general education requirement. This course is intended for students who are not destined for an engineering-oriented, science-oriented or business-oriented calculus course. The topics covered will include but not be limited to statistical topics, application of loans, application of percent, compound and simple interest, APR, geometric topics, and credit card fee methods. Application to natural sciences, business, economics, and social sciences will be explored. This is a terminal mathematics course and will not be used as a prerequisite to any other mathematics course, but will fulfill the general education math requirement. Prerequisite: Appropriate test scores.

**MATH 1513 ALGEBRA FOR STEM**

This course includes advanced topics in solving and graphing equations and inequalities, quadratics, polynomial and rational functions, theory of equations, systems of equations, matrices and determinants, logarithmic and exponential functions. Applications of these topics will include, but are not limited to, exponential growth and decay, compound and continuous interest, variation, work and rate problems. Prerequisite: "C" or better in MATH 0123 Pre-STEM Algebra or equivalent placement scores.

**MATH 1613 PLANE TRIGONOMETRY**

This course includes topics in trigonometric identities, functions, graphs of trig functions, solutions of trigonometric equations, applications with right triangles, laws of sines and cosines, vectors and application of vectors, polar coordinates, graphs, application to sciences and allied subjects. The content emphasis is pre-calculus. Prerequisite: "C" or better in MATH 1513 Algebra for STEM or concurrent with MATH 1513.

**MATH 1715 ALGEBRA FOR STEM & TRIGONOMETRY**

This course includes advanced topics in solving and graphing equations and inequalities, quadratics, polynomial and rational functions, theory of equations, geometric sequences and summations; trigonometric equations, applications with right triangles, laws of sines and cosines, vectors, polar coordinates, and graphics. Applications of these topics will include, but are not limited to, exponential growth and decay, compound and continuous interest, variation, work and rate problems, vectors, various sciences and allied subjects. Prerequisite: "C" or better in MATH 0123 Pre-STEM Algebra or equivalent placement scores.

### **MATH 1813 PREPARATION FOR CALCULUS**

A conceptual approach to the algebra and trigonometry needed for calculus. Trigonometry from the perspective of the unit circle and right triangles, behavior of trigonometric functions, and basic identities. Functions arising in calculus and the notion of an inverse function, especially in the context of trigonometric, logarithmic, and exponential functions. Rates of change and the limiting process. Prerequisite: "C" or better in MATH 1513 Algebra for STEM.

### **MATH 2023 ELEMENTARY STATISTICS**

This course includes the following topics: descriptive measures, probability, sampling distributions, estimation and hypotheses testing, regression and correlation. This course is appropriate for business, economics, natural science, health science, social science and education majors. Prerequisite: Appropriate test scores or other college-level math. Course will transfer to OSU as STAT 2013 or 2023.

### **MATH 2103 ELEMENTARY CALCULUS**

An introduction to differential and integral calculus, with applications appropriate for students of Business, Economics, Accounting, Natural Sciences and Social Science. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM.

### **MATH 2144 CALCULUS I**

The first of a three semester sequence in integrated analytics and calculus. The course includes the following topics: Introductory Analytic Geometry, lines, slopes, circles, functions, limits, indeterminate forms, differentiation of algebraic, trigonometric and other transcendental functions, applications of differentiation, basic integration techniques and applications. Prerequisite: "C" or better in MATH 1513 Algebra for STEM and MATH 1613 or MATH 1715. *Offered spring semester only.*

### **MATH 2154 CALCULUS II**

The second of a three-semester sequence in integrated analytics and calculus. The course includes the following topics: advanced techniques of integration of transcendental functions and their inverses; infinite sequences and series, including Taylor series and Power series; sketching graphs and applying calculus techniques to conic sections, polar coordinates, and parametric equations; vectors and the geometry of space. Prerequisite: "C" or better in MATH 2144 Calculus I within the past two years. *Offered fall semester only.*

### **MATH 2164 CALCULUS III**

The third of a three-semester sequence in integrated analytics and calculus. The course includes the following topics: vector-valued functions, functions of several variables, multiple integration, and vector analysis consisting of vector and conservative vector fields, line integrals, Green's Theorem. Prerequisite: C or better in MATH 2154 Calculus II within the past two years. *Offered spring semester only.*

### **MATH 2233 ELEMENTARY MATH STRUCTURES**

This course is a study of the fundamental structures of mathematics for non-mathematics majors. Topics include the following: critical thinking, problem solving, sets and set theory, number theory, real number operations, basic algebra skill and graphing. This course was specifically designed for Pre-Education and FSCD majors and will satisfy the college level math requirement for pre-education majors (elementary education, special education, early childhood education). FSCD majors can use this course as an approved elective. Prerequisite: "C" or better in MATH 1483, 1493, or 1513.

### **MATH 2243 GEOMETRIC STRUCTURES**

This course is a study of the fundamental structures of geometry for non-mathematics majors. Topics include the following: line and angle relationships, triangles, quadrilaterals, circles, area, volume, and introduction to trigonometry. This course was specifically designed for Pre-Education and will satisfy the college-level math requirement for pre-education majors (elementary education, special education, early childhood education). Prerequisite: "C" or better in MATH 1483, 1493, or 1513.

**MATH 2373 TECHNICAL MATH-APPLIED CALCULUS**

Application is to the field of electronics. This course is a study of functions, average rate of changes, exact rates, limits, derivatives, applied derivatives, differentials, higher derivatives, integrals, applied integrals, logarithmic and exponential functions, Maclaurin's series, Taylor series, Fourier series and Laplace transforms.

**MATH 2613 DIFFERENTIAL EQUATIONS**

Basic definitions and techniques of solving differential equations, techniques for solving first and higher order differential equations and their applications, operator methods, Laplace transforms, solution of systems of differential equations. Offered spring semester only. Prerequisite: "C" or better in MATH 2154 Calculus II. Offered spring semester only.

**MUSIC****MUSC 1003 FUNDAMENTALS OF MUSIC**

The study of musical notation and terminology along with the major and minor modes and intervals. This course is not designed for the advanced student nor the student with the ability to enter the Music Theory course sequence.

**MUSC 1110 RECITAL ATTENDANCE**

Noncredit activity, required for Music majors.

**MUSC 1113 MUSIC APPRECIATION**

A survey of music with emphasis on analysis and perceptive listening from the Baroque through the twentieth century of International musical styles. (Meets requirement for humanities elective and designation for International dimension.)

**MUSC 1131 EAR TRAINING & SIGHT SINGING I**

The study of basic aural skills in sight singing through the use of Solfege.

**MUSC 1133 MUSIC THEORY I**

The study of the basic rudiments of tonal music, covering major and minor scales, key signatures, intervals, triads and correlated with keyboard skills. Taken concurrently with MUSC 1131 Ear Training & Sight Singing.

**MUSC 1141 EAR TRAINING & SIGHT SINGING II**

A continuation of MUSC 1131 with the addition of basic melodic dictation and chord identification. Prerequisite: MUSC 1131 Ear Training & Sight Singing I.

**MUSC 1143 MUSIC THEORY II**

The continuation of MUSC 1133 with the addition of diatonic harmony through part writing and analysis. Prerequisite: MUSC 1133.

**MUSC 1000 PRIVATE INSTRUCTION (FOR FRESHMEN AND SOPHOMORES)**

Credit will vary from 1-4 hours. Private brass, organ, piano, voice, strings, woodwinds, and percussion.

Applied Instrument Class

**MUSC 1211 APPLIED INSTRUMENT- LOW BRASS CLASS****MUSC 1221 APPLIED INSTRUMENT- HIGH BRASS CLASS****MUSC 1311 APPLIED INSTRUMENT- WOODWIND CLASS****MUSC 1411 APPLIED INSTRUMENT- PERCUSSION CLASS****MUSC 1511 APPLIED INSTRUMENT- STRINGS CLASS****MUSC 1521 APPLIED INSTRUMENT- GUITAR CLASS****MUSC 1513 MUSIC LITERATURE**

The study of the music literature, style and performance practices of the Baroque through the twentieth century period. Prerequisite: MUSC 1113 Music Appreciation or MUSC 1133 Music Theory I and MUSC 1143 Music Theory II.

(Meets requirement for humanities elective)

Applied Voice- Class

**MUSC 1611 APPLIED VOICE CLASS**

Voice class for non-music majors and instrumental music majors seeking voice lessons. Basic voice pedagogy is applied in this class.

**MUSC 1623 MUSIC BUSINESS I**

A series of lectures designed to acquaint students with various aspects of business opportunities as related to the entertainment industry. Such lectures include, but are not limited to, music publishing and recording, resume writing and artist management.

**MUSC 1633 MUSIC BUSINESS II**

A continuation of Music Business I. Prerequisite: MUSC 1623 Music Business I.

Applied Piano- Class

**MUSC 1711 APPLIED PIANO CLASS I**

The study of the basic skills of piano technique. Students take this course in conjunction with MUSC 1133 and MUSC 1131.

**MUSC 1721 APPLIED PIANO CLASS II**

A continuation of MUSC 1711 with the addition of major scales and literature study. Prerequisite: MUSC 1711.

**MUSC 1731 APPLIED PIANO CLASS III**

A continuation of MUSC 1721 with the addition of minor scales and minor harmonization. Intermediate level piano literature. Prerequisites: MUSC 1711, 1721.

**MUSC 1741 APPLIED PIANO CLASS IV**

A continuation of MUSC 1731 with the addition of further development of the foundations for the proficiency skills required of all music majors. Prerequisites: MUSC 1711, 1721, 1731.

**MUSC 1991 MUSIC THEATRE SEMINAR**

An in-depth overview of performance practices centering on songs and scenes from the Music Theatre genre, as well as monologues from plays and musicals. For non-majors.

**MUSC 2040 MUSIC THEATRE ACTIVITY**

Individual involvement in Music Theatre productions. May be repeated (4 credit hours maximum). Prerequisite: Permission of instructor.

**MUSC 2131 EAR TRAINING & SIGHT SINGING III**

A continuation of MUSC 1141 with the addition of rhythmic, melodic, and basic choral dictation. Prerequisite: MUSC 1141 Ear Training & Sight Singing II.

**MUSC 2133 MUSIC THEORY III**

The continuation of MUSC 1143 with the addition of non-chord tones, diatonic and secondary seventh chords. Chromatic harmony is touched upon. Prerequisite: MUSC 1143 Music Theory II.

**MUSC 2141 EAR TRAINING & SIGHT SINGING IV**

A continuation of MUSC 2131 with the addition of advanced rhythmic, melodic, chordal identification and choral dictation. Prerequisite: MUSC 2131 Ear Training & Sight Singing III.

**MUSC 2143 MUSIC THEORY IV**

The continuation of MUSC 2133 with the addition of twentieth-century techniques including polyharmony, atonality, and serialism. Prerequisite: MUSC 2133 Music Theory III.

**MUSC 2221 COMPREHENSIVE JAZZ MUSICIANSHIP**

Advanced instrumentalists in a class setting studying the art of improvisation in regard to chord progressions.

**MUSC 2331 JAZZ IMPROVISATION**

A study of style in regard to contemporary performance.



**MUSC 2441 PIANO PEDAGOGY**

Emphasis on materials and methods related to a graded program for studio piano instructors.

**MUSC 2450 SUPERVISED STUDY- MUSIC**

Independent study.

**MUSC 2460 MUSIC BUSINESS INTERNSHIP**

For students who have completed Music Business I & II. Supervised experience is arranged in the student's area of interest. Students must have permission from Music Business advisor to enroll. Prerequisite: MUSC 1633 Music Business II.

**MUSC 2611 WIND ENSEMBLE-CONCERT BAND**

Performance of band literature in an ensemble situation. Repeated credit may not be included in credits required for graduation.

**MUSC 2621 STRING ENSEMBLE**

Traditional ensemble work with string instruments.

**MUSC 2631 COLLEGE CHOIR**

Choral ensemble performance. Repeated credit may not be included in the credits required for graduation.

**MUSC 2641 ORCHESTRA**

The performance of orchestral literature in an ensemble situation. Repeated credit may not be included in the credits required for graduation.

**MUSC 2650 MUSIC SEMINAR**

Topics of study within the applied contemporary field.

**MUSC 2651 MUSIC COMPUTER SEMINAR**

A survey of computer-aided music with emphasis on sequencing and music notation.

**MUSC 2653 CONTEMPORARY ARRANGING**

A study of vocal range and distribution; instrumental transposition and ranges; arranging vocal and instrumental ensembles and combination.

**MUSC 2711 WIND ENSEMBLE - JAZZ BAND**

Performance of the literature of jazz. Repeated credit may not be included in the credits required for graduation.

**MUSC 2731 VOCAL ENSEMBLE- ROUSTABOUTS**

Performance of the literature of pop music. Enrollment by audition and permission of instructor only. Student must be concurrently enrolled in MUSC 1000 Private Instruction.

**MUSC 2831 MADRIGAL/CHAMBER SINGERS**

Performs Madrigal literature during the fall and Chamber literature during the spring. Open by audition only.

**NURSING****NURS 1002 NURSING BOOT CAMP I**

Nursing Boot Camp is a fast-paced, highly interactive, five-day course that promotes self-examination, empowerment, and thoughtful planning on the part of each learner. Concepts regarding the individual, teaching/learning, communication, and learning resources are explored. The nursing process and nursing education are examined carefully in the context of professional nursing. Principles pertaining to time management, learning, studying, and test-taking are also discussed and applied. Prerequisite: Formal approval by the Nursing Division is required before being admitted into this course.

**NURS 1202 NURSING BOOT CAMP II**

Nursing Boot Camp II is a highly interactive, collaborative learning based , five-day course that promotes the development of observation and clinical reasoning skills on the part of each learner. Through the use of video captured points in a client's life, learners are challenged to recognize data that is relevant and significant during each phase of a client's development of a common illness. Illnesses examined are COPD, depression, diabetes mellitus and heart

failure. Learners work primarily in small teams and use available resources and the Nursing Process to discover how nurses could have intervened in each stage of illness development to impact the quality of the client's health and life. Prerequisite: Fundamentals of Nursing (NURS 1114) and Fundamentals of Nursing Practicum (NURS 1124) or successful completion of advanced standing testing for Fundamentals of Nursing.

### **NURS 1113 CRITICAL THINKING IN HEALTH CARE SYSTEMS**

An introduction to critical thinking concepts in health care systems. This course is designed to introduce topics that include basic principles of critical thinking, the impact of changes in health care to our thinking process, multidisciplinary approaches and expanding roles in health care.

### **NURS 1114 FUNDAMENTALS OF NURSING**

Fundamentals of Nursing is designed to orient the beginning student to the practice of nursing. It incorporates principles of the sciences and humanities and bases practice on the nursing process. The course centers on the concepts of safe practice and serves as a conceptual framework for application in a practicum setting. Prerequisite: Formal approval by the Nursing Division is required before being admitted into this course. Designed to be taken concurrently with NURS 1124 Fundamentals of Nursing Practicum.

### **NURS 1121 NURSING TREATMENTS**

This course is designed to assist the nursing student in understanding principles of pharmacology and diagnostics. Prerequisite: Formal approval by the Nursing Division is required before being admitted into this course.

### **NURS 1124 FUNDAMENTALS OF NURSING PRACTICUM**

In Fundamental's Practicum the learner will have the opportunity to utilize the nursing process as a vehicle for meeting basic health needs of clients in actual care settings. The course is designed to allow the learner to apply theoretical knowledge to direct client care. Prerequisite: Formal approval by the Nursing Division is required before being admitted into this course.

### **NURS 1234 NURSING OF ADULTS I**

Nursing of Adults I is designed to build upon learning acquired in Fundamentals. The focus is on knowledgeable use of the nursing process as it relates to the holistic (basic and higher needs) care of the adult client who is experiencing a health interruption such as an illness of a medical/surgical nature and/or psychosocial nature.

Prerequisites: Fundamentals of Nursing (NURS 1114) and Fundamentals of Nursing Practicum (NURS 1124) or successful completion of advanced standing testing for Fundamentals of Nursing. General Biology (BIOL 1114) or General Chemistry (CHEM 1315), General Psychology (PSYC 1113). Designed to be taken concurrently with Nursing Adults I Practicum (NURS 1244).

### **NURS 1244 NURSING OF ADULTS I PRACTICUM**

Nursing of Adults I Practicum incorporates planned hospital and clinical experiences, which increase the learner's understanding of the disease process and effective nursing care. The learner incorporates understanding of the relationship of the nursing process to holistic (basic and higher) client care including therapeutic communication techniques. Designed to be taken concurrently with Nursing of Adults I (NURS 1234).

### **NURS 1253 TRANSITION TO REGISTERED NURSING**

Transition to Registered Nursing is designed for Licensed Practical Nurses enrolling in the associate degree nursing program. The course assists LPN students to build upon previous nursing education and clinical practice as they transition to the RN role. Areas of focus include thinking and reasoning processes used in making clinical judgments, legal and ethical responsibilities, professional role development and developing comprehensive assessment skills. Prerequisites: LPNs with formal approval by the Nursing Division; should be taken within one year of entering the first nursing practicum course. Offered fall and summer semesters.

**NURS 1353 INTRODUCTION TO PSYCHIATRIC NURSING**

Introduction of Psychiatric Nursing is designed to enhance the knowledge base of LPNs wishing to enter the nursing program in the fall semester. The focus is on the use of the nursing process as it relates to the holistic care of the client experiencing a health interruption of a psychosocial nature. The Practicum incorporates planned clinical experiences, which increase the learner's understanding of the disease processes and effective nursing care. The learner incorporates understanding of the relationship of the nursing process to holistic client care including therapeutic communication techniques. Prerequisites: LPNs with formal approval by the Nursing Division. Offered summer semester only.

**NURS 2071 SEMINAR IN NURSING I**

Designed to assist nursing students to identify and understand safe pharmacological practice principles in the management of nursing care for commonly-prescribed medications. Prerequisite: Fundamentals of Nursing (NURS 1114) and Practicum (NURS 1214) or LPN Bridge Courses.

**NURS 2072 SEMINAR IN NURSING II**

This course is designed to assist the nursing student in transitioning to the new role of graduate nurse. Discussion and analysis of the development of nursing as a profession including the history and controversies, as well as political concerns influencing the relationship of nursing and society; also includes discussion of nursing organizations, career opportunities, interview skills and management of client care. Prerequisite: Nursing Seminar I (NURS 2071).

**NURS 2334 MATERNAL CHILD NURSING**

Maternal-Child Nursing is designed to introduce the student to the nursing care of maternity clients, children and their families. The maternity phase of life is a normal event which influences the entire family. Another focus of the course is the common health interruptions occurring in the childhood years. Growth and development is a normal progression which influences the child. Concepts of health are focused on the woman from conception through postpartum and on the well child in addition to the ill child. Normal physiologic changes of the mother and the fetus/newborn are stressed. Anticipatory guidance for growth and development are also stressed. Common health problems are also presented. The nursing process, the application of biophysical and psychosociospiritual principles, communication and Maslow's hierarchy of needs are employed within the framework of family-centered nursing. Prerequisites: Fundamentals of Nursing (NURS 1114) and Practicum (NURS1124). Nursing of Adults I (NURS 1234) and Practicum (NURS 1244), Nursing Seminar I (NURS 2071), Principles of Sociology (SOC1 1113) and Human Anatomy & Physiology (BIOL 2214). Designed to be taken concurrently with Maternal Child Nursing Practicum (NURS 2344).

**NURS 2344 MATERNAL-CHILD PRACTICUM**

The focus of the practicum is to provide the student the opportunity to incorporate theoretical knowledge in actual client care situations in maternity and pediatric settings in the acute-care setting and in community-based settings. The nursing process, the application of biophysical and psychosociospiritual principles, communication and Maslow's hierarchy of needs are employed within the framework of family-centered maternity nursing. The student is expected to individualize and use the concepts and knowledge learned in earlier courses and apply them to the maternity and pediatric clients as well as the families. Designed to be taken concurrently with Maternal-Child Nursing (NURS 2334).

**NURS 2415 NURSING OF ADULTS II**

Nursing of Adults II is designed to build upon learning acquired in all previous nursing courses. Emphasis is placed on care of the client(s) experiencing common complex health interruptions with relatively predictable outcomes. An interdisciplinary approach is used to plan holistic care for the adult and the family in the hospital as well as in the community-based settings. Prerequisites: Fundamentals of Nursing (NURS 1114) and Practicum (NURS 1124), Nursing of Adults I (NURS 1234) and Practicum (NURS 1244), Maternal Child Nursing (NURS 2334) and Practicum (NURS 2344), Microbiology (BIOL 2124). Designed to be taken concurrently with Nursing of Adults II Practicum (NURS 2425).

**NURS 2425 NURSING OF ADULTS II PRACTICUM**

The focus of practicum is on use of the nursing process as it relates to the care of individual clients and small groups of

clients. Experience is planned in the hospital and community setting, as well as in specialty areas. Experience is provided for the student to work as a team member and team leader. Attention is given to persons in late adulthood by identifying adaptations to aging as well as health interruptions. Designed to be taken concurrently with Nursing of Adults II (NURS 2415).

## **NUTRITION**

### **NUTR 2123 INTRODUCTION TO HUMAN NUTRITION**

An introduction to the basic principles of nutrition, including the chemical characteristics of nutrients and their functions in the human body. Students will examine the nutritional requirements and nutrient deficiencies that may occur during the different physiological phases of life. Prerequisites: none required, however students are encouraged to complete BIOL 1114 General Biology or BIOL 1124 General Biology for Majors prior to enrollment in this course. (Meets general education science requirement for non-lab science.)

## **ORIENTATION**

### **ORNT 1101 FRESHMAN ORIENTATION**

A required course designed to promote a student's educational success.

## **PHILOSOPHY**

### **PHIL 1113 INTRODUCTION TO PHILOSOPHY**

This is a survey course designed to introduce the student to the problems of philosophy, including discussions on the nature of reality, value, ethics, political ideals, religion, and theory of knowledge. This course will cover philosophical methods and historical backgrounds. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective.)

### **PHIL 2213 ETHICS**

This course provides students with a discussion of moral problems such as the nature of good, right action, moral virtue, human freedom, and moral responsibility within the context of the major ethical philosophies. (Meets requirement for humanities elective.)

### **PHIL 2223 BUSINESS ETHICS**

A study of the nature of moral judgments, moral values, freedom and responsibility as it applies to the individual in both a personal and business setting. This course will help the student develop a framework for resolving ethical issues with analytical grounding in the basic theory of ethics. (Meets requirement for humanities elective.)

### **PHIL 2450 SUPERVISED STUDY IN PHILOSOPHY**

Independent study in philosophy. Instructor permission required.

## **PHYSICAL SCIENCE**

### **PHSC 1114 GENERAL PHYSICAL SCIENCE**

A lecture, lab, demonstration and participation course designed to help students understand the basic concepts of physics and chemistry. The course is recommended for elementary education majors and non-science majors. (Meets general education lab science requirement.)

## **PHYSICS**

### **PHYS 1114 GENERAL PHYSICS I**

Physics for liberal arts students, pre-professional students in biological and health fields (pre-medicine, pre-nursing, pre-therapy, etc.) and technology students; includes topics from mechanics, heat, fluids, and thermodynamics. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 1513 Algebra for STEM. (Meets general education lab science requirement.) Offered fall semester only on Enid campus.

### **PHYS 1214 GENERAL PHYSICS II**

A continuation of PHYS 1114 General Physics I. Includes topics from waves and sound, electricity, magnetism, light, and optics. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 1513 Algebra for STEM and PHYS 1114 General Physics I. (Meets general education lab science requirement.) Offered spring semester only on Enid campus.

### **PHYS 2014 ENGINEERING PHYSICS I**

Calculus-based general physics course for science and engineering students. Includes topics from mechanics, heat, thermodynamics, waves and sound. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 2144 Calculus I or concurrent enrollment. (Meets general education lab science requirement.) Offered spring and summer semesters only.

### **PHYS 2104 CONCEPTS IN PHYSICS**

An introductory course designed to explain the basic concepts of motion and forces, matter, energy conservation, thermodynamics, fluid flow, electrical circuits and magnetism. Recommended for process technology and elementary education majors as a model course to learn and teach science. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM or concurrent enrollment. (Meets general education lab science requirement.)

### **PHYS 2114 ENGINEERING PHYSICS II**

A continuation of PHYS 2014 Engineering Physics I. Includes topics from electricity, magnetism, light and optics. Laboratories are designed to reinforce theory principles. Prerequisite: PHYS 2014 Engineering Physics I or equivalent. (Meets general education lab science requirement.) Offered fall semester only.

### **PHYS 2450 SUPERVISED STUDY IN PHYSICS**

Independent study.

### **PHYS 2812 APPLIED PHYSICS**

This course is designed for students majoring in technology programs or those requiring exposure to applications of physics. The course covers the study of mechanics, relativity, heat, thermodynamic and harmonic motion, heat, sound, optics and modern energy sources with practical applications used to reinforce the theory. (Meets general education lab science requirement.)

## **POLITICAL SCIENCE**

### **POLI 1113 AMERICAN NATIONAL GOVERNMENT**

American National Government is an introduction to the federal system of government found in the United States. The course of study includes the roles of Congress, the Presidency, Judiciary, Bureaucracy, interest groups, and political parties.

### **POLI 2113 COMPARATIVE POLITICS**

This course provides an introductory survey of the various political states of the world, focusing on history, geography, political culture, political institutions, and processes. (Meets requirement for International Dimension.)

### **POLI 2133 STATE AND LOCAL GOVERNMENT**

This course studies the nature and makeup of the state, county, municipal, and other grassroots level governments. It examines their place in a federal system and how they operate to include the officials that exist in such systems.

### **POLI 2450 SUPERVISED STUDY IN POLITICAL SCIENCE**

Independent study arranged with faculty member.

## **PROCESS TECHNOLOGY**

### **PTEC 1113 INTRODUCTION TO PROCESS TECHNOLOGY**

Introduction to process operations in the petrochemical industry including: operator roles, responsibilities and expectations; plant terminology; safety and environmental responsibilities; applied organic and inorganic chemistry; applied physics; plant equipment, utility systems; product handling; flow diagrams; general process overviews; basics of process control; and plant organizations. This course will expose students to an overview of the Process Technology associate degree program, including the mental and physical requirements of the Process Technician career. Plant tours will be conducted. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM or concurrent enrollment.

### **PTEC 1124 PROCESS TROUBLESHOOTING**

This course utilizes heat, mass and energy balances and operating data to identify and correct process abnormalities using techniques such as “cause and effect” and “root cause” analysis. Students will acquire and develop troubleshooting techniques associated with petrochemical processes through group exercises in a work team environment. Prerequisite: PTEC 2124 Systems. Offered spring semester only.

### **PTEC 1313 SAFETY, HEALTH, AND WORK PRACTICES**

Introduction to occupational safety, health and environmental practices and associated equipment including: safety mindset and attitude; personal safety equipment; general safety policies and procedures; hazards communication; HAZWOPER/emergency response; first aid and CPR; industrial hygiene; exposure monitoring; and environmental compliance. This course will give students an overview of various governmental regulations mandated by OSHA, EPA, SARA, RCRA, DOT, NFPA, etc. Prerequisite: MATH 1483 Math Functions or MATH 1513 Algebra for STEM or concurrent enrollment. Offered spring semester only.

### **PTEC 2014 PROCESS TECHNOLOGY I- EQUIPMENT**

This course covers the functions and details of equipment used in processes including piping, pumps, compressors, drums, towers, reactors, heaters, and boilers. Students will review the specific uses and critical parameters of each type of equipment studied. Prerequisite: PTEC 1113 Intro to PTEC. Offered spring semester only.

### **PTEC 2024 INDUSTRIAL INSTRUMENTATION**

This course is designed to introduce the student to a simple pneumatic control loop. Specifically, the student will be introduced to pressure, temperature, level and flow transmitters and the various transducers used in the detection of changes in process variables; pneumatic controllers, valve positioners, control valve types, pneumatic relays and the null-balance system are also included as part of the control loop. Prerequisite: PTEC 1113 Intro to PTEC. Offered fall semester only.

### **PTEC 2124 PROCESS TECHNOLOGY II- SYSTEMS**

A familiarization with the general types of processes found in the chemical and refining industry including: distillation and fractionation; reaction; absorption; adsorption; extraction; stripping; cracking; reforming; alkylation; delayed coking; hydro-processing; and sulfur recovery. This course also includes an explanation of product blending and water treatment, as well as steam and electrical power generation. Prerequisites: PTEC 2014 Equipment and PTEC 2024 Instrumentation. Offered fall semester only.



**PTEC 2214 PROCESS TECHNOLOGY III- OPERATIONS**

This course will concentrate on the duties, responsibilities and expectations of the Process Operator with emphasis on understanding and adherence to procedures associated with start-up, shutdown, normal and temporary plant operations. Equipment monitoring, preventive maintenance, training and response to abnormal and emergency operating conditions are stressed as they apply to the work crew and operations team. Students will receive a “sense of reality” regarding the career of a Process Technician, including tips on adjusting to shift work, diversity in the workplace and communicating with the work team and customers. Prerequisite: PTEC 2124 Systems. Offered spring semester only.

**PTEC 2243 PRINCIPLES OF QUALITY**

The history of Quality will be explored from Deming’s theories to current applications in today’s petrochemical industry. Internal and external customer/supplier relationships of a business which affect the qualitative aspects of quality and the statistical methods, which affect the quantitative aspects of measuring quality, will be stressed throughout this course. Students will be exposed to the benefits of continuous improvement and quality work as they pertain to developing a high performance work team. Prerequisite: PTEC 1113 Intro to PTEC. Offered fall semester only.

**PTEC 2301 INDUSTRIAL OBSERVATION**

Students who have already completed an internship during a semester or summer may receive credit by completing a report on their experiences, as well as presenting their observations and knowledge gained to a first year PTEC class.

**PTEC 2314 OIL & GAS PRODUCTION I**

Oil and Gas Production I will familiarize students with the job of the oil and gas production technician. Specifically, students will be able to discuss the history of the oil and gas market, concepts surrounding exploration and geology, as well as fundamentals of drilling and well completion, and describe and learn the operations of the equipment and systems used by oil and gas technicians today.

**PTEC 2443 PIPELINE OPERATIONS & CONTROLS**

This course will concentrate on the duties, responsibilities, and expectations of the Pipeline Technician with emphasis on understanding and adherence to procedures associated with tankage, pipeline flow rate, and pressure monitoring. Training and response to abnormal and emergency operating conditions are stressed. Students will study expectations for the career of a Pipeline Technician, including tips on adjusting to shift work, diversity in the workplace, and communicating with the work team and customers. Prerequisite: PTEC 2124 Systems.

**PTEC 2450 SUPERVISED STUDY – CERTIFICATE PREPARATION**

Independent study course in preparation for an accredited examination for work in a process technology field. Examples of exams include but are not limited to the Waste Water Treatment Operator State Examination, Environmental Technician, exams provided by the American Society of Safety Engineers. Consent of instructor required. Credit 1-3 hrs.

**PROFESSIONAL DEVELOPMENT****PRDV 1001 WORKPLACE ESSENTIALS I**

This course will address the following topics: Finding a Job—Resume Writing, Interviewing and Networking; and Job Advancement—Professional Attire, Self-Confidence, Positive Demeanor, Working with Management, Office Politics, and Phone/Email/Correspondence Etiquette.

**PRDV 1011 WORKPLACE ESSENTIALS II**

Advanced version of PRDV 1001 with work-specific readings

**PRDV 1021 WORKPLACE MANAGEMENT I**

This course will address topics related to stress and time management, including Emotion Regulation, Time Management, “Clocking in,” Work Ethic, Working Well under Pressure, Resilience Training, Persistence, Growth Mindset, Ability to Accept and Learn from Criticism, and Flexibility/Adaptability/Patience/Self-Awareness/Perceptiveness

### **PRDV 1031 WORKPLACE MANAGEMENT II**

Advanced version of PRDV 1021 with work-specific readings

### **PRDV 1041 WORKPLACE LEADERSHIP I**

This course will address supervisory skills needed in the workplace, including Meeting Management, Facilitating Skills, Conflict Resolution, Problem Solving, Difficult Personalities and Unexpected Situations, Influence/Persuasion/Negotiation, Listening, and Teamwork.

### **PRDV 1051 WORKPLACE LEADERSHIP II**

Advanced version of PRDV 1041 with work-specific readings

### **PRDV 2321 Professional Development**

Professional Development is designed to assist students in the transition from college to their career. To be effective in a career and in life depends on preparation, attitude, hard work, personal qualities, and the right strategies. This course focuses on practical tips and strategies that will help students succeed in the work environment. Emphasis will be on time management/ organizational skills; resume development posting; interview, communication, and presentation skills; dressing for success and first impression management; and etiquette. For Business majors, this course should be taken in the last semester of their degree plan.

## **PSYCHOLOGY**

### **PSYC 1113 GENERAL PSYCHOLOGY**

This introduction to psychology examines each of the contemporary theoretical perspectives in psychology. The relationship of behavior, cognition and emotion are explored in such issues as learning, memory, development, motivation, personality, abnormal behavior and therapy design.

### **PSYC 2113 HUMAN SEXUALITY**

This course seeks to identify the impact of sexuality on all aspects of the person. Using the perspectives of behavioral science we examine the history of sexuality, gender development, sexual anatomy, communication in sexual relationships, the meaning of intimacy, the human sexual response and other cultural issues of sexuality. Prerequisite: ENGL 1113 English Composition I or instructor's permission.

### **PSYC 2213 DEVELOPMENTAL PSYCHOLOGY**

This course is an examination of the physical, emotional, cognitive, linguistic, behavioral and social changes that occur in human development. Fundamental concepts, research, and theories will be explored through a lifespan model. Prerequisites: ENGL 1113 English Composition I and PSYC 1113 General Psychology or instructor's permission.

### **PSYC 2233 SOCIAL PSYCHOLOGY**

This is a scientific study of social forces influencing human behavior with an emphasis upon the individual in a social context. The course will examine the social self, group processes, attitudes and attitude formation, conformity, persuasion, aggression and other social forces and variations that impact the individual within society. Prerequisite: ENGL 1113 English Composition I

### **PSYC 2333 INTRODUCTION TO ADDICTIVE BEHAVIORS**

This course is an introduction to the psychological, physiological, and sociological theories of substance abuse, alcohol, and other addictive behaviors. The course will cover the addiction process and its effects upon the individual, family, and society. Treatment strategy perspectives from the behavioral science, medical, and legal models will be introduced. Prerequisite: ENGL 1113 English Composition I

## **READING**

### **READ 0123 CRITICAL CONTENT READING AND SCIENTIFIC REASONING**

This course consists primarily of reviewing and learning basic reading skills, then practicing and applying those skills to content area reading. This course meets the deficiency requirement for students who do not meet entrance requirements by either high school coursework or test scores.

### **READ 1113 COLLEGE READING SKILLS & TECHNIQUES**

This course focuses on increasing reading rate, reading material in different content areas (textbooks, articles, research), and taking effective notes from reading material.

## **RESPIRATORY CARE**

### **RESP 1114 - INTRODUCTION TO RESPIRATORY CARE PROCEDURES**

This course will explore the usage and purpose of supportive treatments for patients with pulmonary diseases and disorders using the American Association of Respiratory Care (AARC) clinical practice guidelines and protocols. The fundamentals of respiratory care covered by this course will include but not be limited to: Patient Assessment, Safety, History of Respiratory Care, Leadership and Professionalism, and Moral and Legal aspects of Respiratory Care. This course also includes Cardiopulmonary Anatomy and Physiology. Prerequisite: Admission to RT Program.

### **RESP 1121 CLINICAL APPLICATIONS 1**

This course provides introductory knowledge of the clinical setting and delivery of respiratory care, with an emphasis on the scope of therapeutic modalities delivered to patients. Included are medication nebulizers, oxygen therapy, IPPB, NPPV, chest physiotherapy, cardiopulmonary resuscitation and related life-saving maneuvers. Prerequisite: Admission to the Respiratory Care Program

### **RESP 1214 - RESPIRATORY THERAPY PROCEDURES II**

Respiratory Procedures II continues the training of students in the essential procedures which Respiratory Therapists perform in the clinical setting. Clinical Pharmacology is also included in this course; the basic concepts and principles in pharmacology, drugs used to treat the respiratory system, and critical care and cardiovascular drug classes.

Prerequisites: RESP 1114 and Clinical Applications I

### **RESP 1223 CLINICAL APPLICATIONS II**

Continuation of Clinical Applications I, increasing knowledge of the clinical setting and delivery of respiratory care, with an increased emphasis on the scope of therapy delivered. Included here are oxygen therapy, IPPB, chest physiotherapy, cardiopulmonary resuscitation and related life-saving maneuvers, airway management including the use of various artificial airways, arterial puncture, arterial blood gas interpretation, bronchial hygiene, electrocardiograms, pulmonary function testing and beside pulmonary mechanics. Prerequisites: Clinical Applications I

### **RESP 1312 PULMONARY PATHOLOGY**

This course is a comprehensive study of the etiology, diagnosis, pathogenesis, pathophysiology, treatment, and prognosis of various types of pulmonary pathologies. Prerequisites: RESP 1114, RESP 1214 and Clinicals through Clinical Applications II

### **RESP 1323 CLINICAL APPLICATIONS III**

Continuation of Clinical Applications II with increasing knowledge of the clinical setting and delivery of respiratory care with an increased emphasis on the scope of therapy delivered including oxygen therapy, IPPB, chest physiotherapy, cardiopulmonary resuscitation and related lifesaving maneuvers, and airway management including the use of various artificial airways. Prerequisites: Clinical Applications I and II

### **RESP 2114 RT PROCEDURES III**

This course will teach the basics and parameters of Advanced Cardiac Life Support, Applied Anatomy and Physiology, Acute and Critical Care in accordance with the American Association of Respiratory Care guidelines and protocols. This course will also teach the basics and parameters of continuous mechanical ventilation, including special procedures.

Students will learn acid-base physiology as it applies to ventilator changes. Laboratory applications will include proficiency in ventilator classification and functions and well as ventilator set-up and making ventilator setting changes in accordance with the American Association of Respiratory Care guidelines and protocols. Prerequisites: RESP 1114, 1214, 1312 and Clinicals through Clinical Applications III

#### **RESP 2123 ADVANCED CLINICAL APPLICATIONS 1**

This course is a continuation of the practical application of theories previously presented with emphasis on the care and management of the critically ill and mechanically ventilated respiratory patient. Rotations will include the intensive care unit and ER. Prerequisites: RESP 1121, 1123, and 1232

#### **RESP 2223 ADVANCED CLINICAL APPLICATIONS II**

This course is a continuation of the practical application of theories previously presented with emphasis on the care and management of the critically ill and mechanically ventilated respiratory patient and an introduction to pediatrics. Rotations will include the intensive care unit and ER, pediatric ICU.

#### **RESP 2233 ADVANCED CLINICAL APPLICATIONS III**

This course takes place in the Neonatal ICU focusing on Neonatal and Pediatric intensive care. Prerequisites: 1121, 1123, 1232, 2123, and 2223

#### **RESP 2324 - RT PROCEDURES IV**

This course will build student understanding of Mechanical Ventilation, Advanced Cardiac Life Support, Applied Anatomy and Physiology, Acute and Critical Care in accordance with the American Association of Respiratory Care guidelines and protocols. Pediatrics and Neonatology are included in this course, principles and practices of Pediatric Advanced Life Support. This course includes NBRC Board Examination Review. Prerequisites: RESP 1114, RESP 1214, RESP 1312, and Clinicals through Advanced Clinical Applications I

### **SERVICE LEARNING**

Multi-disciplinary (i.e. ENGL 2450, HIST 2450, MATH 2450, etc.) course allowing students to earn one-hour additional credit for a course in which they complete a service learning project designed and approved by instructor to illustrate community engagement supporting subject area.

### **SOCIOLOGY**

#### **SOCI 1113 PRINCIPLES OF SOCIOLOGY**

The dynamics of human society are explored in this survey course of sociology. Beginning with the classical theorists of sociology we construct a contemporary perspective of sociology that demonstrates the theories, research and work of sociologists. Issues such as culture, social interaction, socialization, stratification, multiculturalism, institutions, collective behavior and social change are viewed through the unique perspectives of sociology.

#### **SOCI 2013 MARRIAGE AND FAMILY**

The sociological relationship between marriage and family and other institutional structures and systems. The emphasis will be on contemporary American marriage and family, with cross-cultural comparisons. Male and female roles and relationships in mate selection, sexuality, marriage, divorce, and other intimate situations will be studied. Prerequisite: ENGL 1113 English Composition I or have instructor's permission.

#### **SOCI 2223 SOCIAL PROBLEMS**

This course is the study of contemporary social problems using the sociological perspective. Using the major theories of sociology students will discuss cross-cultural descriptions, causes and varied solutions for problems such as poverty, gender, race, ethnicity, crime, violence, addictive behavior as well as institutional breakdown in American society. Prerequisite: ENGL 1113 English Composition I. Meets social science (S) and diversity (D) criteria in transfer to OSU's SOC 2123 Social Problems.

### **SOCI 2323 DIVERSITY AND INCLUSION IN 21ST CENTURY AMERICA**

This course presents historical context and examines how the United States has arrived at current categories of race, sex and gender, sexual orientation, social class and disability. Prerequisite: ENGL 1113 English Composition I

### **SOCI 2450 SUPERVISED STUDY SOCIOLOGY**

Independent study. Prerequisite: ENGL 1113 English Composition I

## **THEATRE**

### **THTR 1213 BEGINNING ACTING**

An introduction to basic performance skills designed to develop the student actor's imagination and perception through experience in improvisation, movement, voice and the dramatic monologue.

### **THTR 1223 INTRODUCTION TO THEATRE**

An exploration of theatre as an art form, including history, philosophy and practices of theatre arts from Greece to present day. Included will be lectures and discussions of acting, directing, technical, audience and social influences on theatre. Designed to provide a basic understanding of theatre as an art form and to develop audience appreciation for theatre. (Meets requirement for humanities elective.)

### **THTR 1243 STAGECRAFT I**

An introduction to technical aspects of the theatre arts including the design and construction of settings and properties, costumes and lighting.

### **THTR 1262 STAGE MAKEUP**

An introduction to the art, technique and materials of makeup to create the impressions of character for the stage and theatrical productions.

### **THTR 1990 MUSIC THEATRE SEMINAR**

Weekly Master Class environment designed to develop performance and auditioning skills. For Music Theatre majors.

### **THTR 2020 THEATRE ACTIVITY PARTICIPATION**

Theatre credit for involvement in theatrical productions. Includes technicals, acting, and front of house for productions. May be repeated (four credit hours maximum). Prerequisite: Permission of instructor.

### **THTR 2213 INTERMEDIATE ACTING**

A continuation of Beginning Acting. Students will add the element of scene study and focus will move to more advanced techniques of improvisation, movement and voice. Prerequisite: THTR 1213 Beginning Acting.

### **THTR 2243 STAGECRAFT II**

A continuation of THTR 1243 Stagecraft I. Prerequisite: THTR 1243 Stagecraft I.

### **THTR 2441 THEATRE DANCE I**

Practice and study of common dance movements used on stage when performing musical theatre. Study includes fundamentals of ballet and tap. Offered fall semester.

### **THTR 2491 THEATRE DANCE II**

A continuation of elements learned in Theatre Dance I. Prerequisite: THTR 2441 Theatre Dance I.

### **THTR 2713 HISTORY OF THE THEATRE**

Development of dramatic form, theatre architecture and production procedures from 500 B.C. to the present. Emphasis on the historical and cultural influences of the Western tradition. (Meets requirement for humanities elective.)

### **THTR 2813 HISTORY OF MUSICAL THEATRE**

In this course students will study the events (both historical and cultural influences) that led to the development of the art form of Musical Theatre. Students will develop skills to better enjoy, critique and understand American musical theatre through a critical review of production elements and musical theatre practices from all eras. (Meets requirement for humanities electives)

### **THTR 2963 STAGE LIGHTING I**

Stage lighting design, design of lighting instruments. Practical experience in lighting

### **THTR 2973 STAGE LIGHTING II**

A continuation of Stage Lighting I. Prerequisite: THTR 2963 Stage Lighting I.

## **WIND**

### **WIND 1113 SAFETY, HEALTH, AND WORK PRACTICE**

Introduction to occupational safety, health and environmental practices and associated equipment including: safety mindset and attitude; personal safety equipment; general safety policies and procedures; hazards communication; first aid and CPR; industrial hygiene; exposure monitoring; and environmental compliance. This will give students an overview of various governmental regulations as appropriate to the Wind Industry.

### **WIND 1313 INTRODUCTION TO WIND ENERGY**

This course is designed to familiarize the student with the evolution of wind technology, wind energy anatomy, wind farm design, and characteristics of energy sources. This course includes tower rescue training/ climb test and first aid/CPR certification.

### **WIND 2313 WIND TURBINE MATERIALS AND ELECTRO-MECHANICAL EQUIPMENT**

Identification and analysis of the components and systems of a wind turbine. Prerequisite: WIND 1313.

### **WIND 2413 WIND POWER DELIVERY SYSTEM**

In-depth study of the components of the input and output electrical power delivery systems for wind generation. Prerequisite: ET 1243.

### **WIND 2323 WIND BUSINESS**

Topics in business as they apply specifically to the wind energy industry.

### **WIND 2423 TURBINE TROUBLESHOOTING AND REPAIR**

Practice of installation, operation, maintenance, troubleshooting and repair of wind turbine electro-mechanical systems.

### **WIND 2321 WIND ENERGY CAPSTONE**

The Wind Energy Capstone course is designed to assist students in the transition from college to their career in wind energy. To be effective in a career and in life depends on preparation, attitude, hard work, personal qualities, and the right strategies. This course focuses on practical tips and strategies that will help students succeed in the wind energy work environment. Emphasis will be on time management/organizational skills; resume development posting; interview, communication, and presentation skills; first impression management; and etiquette.