

**Associate in Arts Degree**  
**Northern Oklahoma College**  
*Division of Language Arts*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Arts and Sciences*

**Communications: Mass Communications Option**

The Associate in Arts degree program in Communications consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Mass Communication at Northwestern Oklahoma State University.

**Mass Communication-Major/Minor**

Transfer students who have completed an Associate in Arts degree in Mass Communications from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
ENGLISH COMPOSITION		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
HISTORY AND GOVERNMENT		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
HUMANITIES		
Electives .....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
MATHEMATICS		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra .....	3	
SCIENCE		
Two sciences with lab .....	8	
COMPUTER SCIENCE		
BSAD 1113 Digital/Financial Literacy .....	3	
(or other approved computer course)		
ORIENTATION		
ORNT 1101 Freshman Orientation .....	1	
GENERAL EDUCATION ELECTIVES .....		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>18</b>	
JOUR 1013 Intro to Mass Communication .....	3	
JOUR 1113 Writing for Mass Media .....	3	
JOUR 1123 News Reporting and Writing .....	3	
JOUR 1133 Beginning Photography .....	3	
JOUR 2013 Principles of Advertising .....	3	
SPCH 1653 Radio Broadcasting .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>5</b>	
JOUR 2023 Photojournalism .....	3	
JOUR 2033 Principles of Public Relations .....	3	
JOUR 2223 Broadcast Journalism .....	3	
JOUR 2240 Publications Practicum .....	3	
SPCH 1713 Intro to Oral Communications .....	3	
SPCH 2010 Speech Activity Participation .....	2	
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>70</b>
MCOM 2023 Media History .....	3
*MCOM 2113 News Reporting .....	3
*MCOM 2123 Mass Communication .....	3
MCOM 3053 Principles of Advertising & Marketing .....	3
MCOM 3103 News Editing .....	3
MCOM 3113 Intro to Audio & Video Production .....	3
MCOM 3203 Media Photography .....	3
MCOM 3213 Business & Professional Communication .....	3
MCOM 3222 Feature Writing .....	2
MCOM 3363 Multimedia Journalism .....	3
MCOM 3463 Intro to Strategic Communication .....	3
MCOM 3521 Strategic Communication Practicum .....	1
MCOM 3541 Print & Online Media Practicum .....	1
MCOM 3803 Broadcast Writing & Announcing .....	3
MCOM 3833 Strategic Communication Writing .....	3
MCOM 3901 Broadcast Practicum .....	1
MCOM 4103 Publication Design & Production .....	3
MCOM 4213 Mass Comm. Law/Ethics .....	3
MCOM 4442 Mass Media Internship .....	2
MCOM 4463 Mass Comm. Senior Seminar .....	3
Prescribed Electives .....	18

\*These program requirements are satisfied with completion of the NOC requirements.

Nine hours of prescribed electives may be satisfied by NOC courses JOUR 1113, JOUR 2013, and SPCH 1653. This results in completion of 55 program requirement hours at NWOSU.

The following course must be taken to meet the prerequisite requirement for MCOM 3213. It may be taken at NOC or NWOSU: SPCH 1713 (NOC) or SCOM 1113 (NWOSU). This course is listed as a program elective for the NOC Communications: Mass Communications Option.

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**Criminal Justice Administration**

**Criminal Justice: Corrections Option**

The Associate in Arts degree program in Criminal Justice Administration consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Criminal Justice at Northwestern Oklahoma State University.

Transfer students who have completed an Associate in Arts degree in Criminal Justice Administration from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
ENGLISH COMPOSITION		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
HISTORY AND GOVERNMENT		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
HUMANITIES		
Electives.....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective. Recommended: PHIL 2213 Ethics		
MATHEMATICS		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra .....	3	
SCIENCE		
Two sciences with lab .....	8	
COMPUTER SCIENCE		
BSAD 1113 Digital/Financial Literacy .....	3	
(or other approved computer class)		
ORIENTATION		
ORNT 1101 Freshman Orientation .....	1	
GENERAL EDUCATION ELECTIVES .....		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>15</b>	
CRMJ 1113 Intro to Criminal Justice .....	3	
CRMJ 1223 Criminal Law—Ad of Justice .....	3	
CRMJ 1333 Criminal Evidence .....	3	
CRMJ 2233 Juvenile Delinquency .....	3	
SOCI 1113 Principles of Sociology .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>8-9</b>	
CRMJ 1523 Introduction to Corrections .....	3	
CRMJ 2113 Criminal Investigation .....	3	
CRMJ 2223 Org of Law Enforcement .....	3	
CRMJ 2450 Supervised Study in Criminal Justice .....	3	
SPCH 1713 Introduction to Oral Comm .....	3	
PSYC 1113 General Psychology .....	3	
SOCI 2223 Social Problems .....	3	

Hours from general education elective above can be combined with a third program elective to complete with 8 hours.

Substitutions may be made with prior approval.

Note: Consideration should be given to foreign language and additional humanities to meet the requirements of many baccalaureate degrees.

**TOTAL CREDIT HOURS**..... **60**

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>45</b>
<i>Core Subjects:</i>	
*CJUS 1113 Intro to Criminal Justice .....	3
*CJUS 1223 Criminal Law .....	3
*CJUS 3333 Org. of Criminal Justice Systems .....	3
CJUS 4603 Criminal Justice Admin. & Management .....	3
SOC 4723 Social Research & Evaluation .....	3
<i>Required Courses:</i>	
*CJUS 2113 Intro to Corrections .....	3
CJUS 4403 Prob, Par, & Comm. Treatment .....	3
SOC 3523 Social Diversity .....	3
SOC 4233 Criminology .....	3
*SOC 4523 Juvenile Delinquency .....	3
SOC 4603 Substance Abuse & Addition .....	3
SOCW 3143 Social Welfare Policies & Services .....	3
POLS 4253 Federal, State, & Local Relations .....	3
Advanced Electives in Criminal Justice or Sociology .....	6

\*Students who complete these courses at NOC are not required to take them again at NWOSU. These program requirements will be satisfied upon completion of the Associate in Arts degree in Criminal Justice.

\*\*Students must complete both Principles of Sociology 1113 and Social Problems SOCI 2223 (NOC) or SOC 2123 (NWOSU) for a bachelor's degree in Criminal Justice from NWOSU.

**Associate in Arts Degree**  
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**Criminal Justice Administration**

**Criminal Justice: Law Enforcement Option**

The Associate in Arts degree program in Criminal Justice Administration consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Criminal Justice at Northwestern Oklahoma State University.

Transfer students who have completed an Associate in Arts degree in Criminal Justice Administration from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
ENGLISH COMPOSITION		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
HISTORY AND GOVERNMENT		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
HUMANITIES		
Electives.....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective. Recommended: PHIL 2213 Ethics		
MATHEMATICS		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra .....	3	
SCIENCE		
Two sciences with lab .....	8	
COMPUTER SCIENCE		
BSAD 1113 Digital/Financial Literacy .....	3	
(or other approved computer class)		
ORIENTATION		
ORNT 1101 Freshman Orientation .....	1	
GENERAL EDUCATION ELECTIVES .....		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>15</b>	
CRMJ 1113 Intro to Criminal Justice .....	3	
CRMJ 1223 Criminal Law—Ad of Justice .....	3	
CRMJ 1333 Criminal Evidence .....	3	
CRMJ 2233 Juvenile Delinquency .....	3	
SOCI 1113 Principles of Sociology .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>8-9</b>	
CRMJ 1523 Introduction to Corrections .....	3	
CRMJ 2113 Criminal Investigation .....	3	
CRMJ 2223 Org of Law Enforcement .....	3	
CRMJ 2450 Supervised Study in Criminal Justice .....	3	
SPCH 1713 Introduction to Oral Comm .....	3	
PSYC 1113 General Psychology .....	3	
SOCI 2223 Social Problems .....	3	

Hours from general education elective above can be combined with a third program elective to complete with 8 hours.

Substitutions may be made with prior approval.

Note: Consideration should be given to foreign language and additional humanities to meet the requirements of many baccalaureate degrees.

**TOTAL CREDIT HOURS**..... **60**

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>45</b>
<i>Core Subjects:</i>	
*CJUS 1113 Intro to Criminal Justice .....	3
*CJUS 1223 Criminal Law .....	3
*CJUS 3333 Org. of Criminal Justice Systems .....	3
CJUS 4603 Criminal Justice Admin. & Management .....	3
SOC 4723 Social Research & Evaluation .....	3
<i>Required Courses:</i>	
*CJUS 2213 Criminal Evidence .....	3
*CJUS 3103 Criminal Investigation.....	3
CJUS 4143 Search and Seizure .....	3
CJUS 4223 Court Procedures .....	3
*CJUS 4703 Criminal Justice Internship .....	3
SOC 4233 Criminology.....	3
POLS 3103 Constitutional Law.....	3
POLS 4253 Federal, State, & Local Relations .....	3
Advanced Electives in Criminal Justice or Sociology .....	6

\*Students who complete these program requirements at NOC are not required to take them again at NWOSU. These program requirements will be satisfied upon completion of the Associate in Arts degree in Criminal Justice.

\*\*Students must complete both Principles of Sociology 1113 and Social Problems SOCI 2223 (NOC) or SOC 2123 (NWOSU) for a bachelor's degree in Criminal Justice from NWOSU.

**Associate in Arts Degree**  
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*Division of Language Arts*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Education*

**Education: Elementary Option**

The Associate in Arts degree program in Elementary Education consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Elementary Education at Northwestern Oklahoma State University.

**Elementary Education Program**

Transfer students who have completed an Associate in Arts degree in Elementary Education from Northern Oklahoma College will have met the NWSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>
ENGLISH COMPOSITION	
ENGL 1113 English Composition I -----	3
ENGL 1213 English Composition II -----	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3
POLI 1113 American National Government -----	3
HUMANITIES	
Electives -----	6
*To be chosen from ART 1113 World Art, MUSC 1113 Music Appreciation, Or LIT 2413 Intro to Literature	
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra -----	3
SCIENCE	
Two sciences with lab -----	8
(Choose from BISI 1114, CHEM 1014, CHEM 1314, PHSC 1114, ESCI 1214)	
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy -----	3
(or other approved computer course)	
ORIENTATION	
ORNT 1101 Freshman Orientation -----	1
GENERAL EDUCATION ELECTIVES -----	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences	
<b>PROGRAM REQUIREMENTS</b> -----	<b>9</b>
PSYC 1113 General Psychology -----	3
SPCH 1713 Intro to Oral Communications -----	3
GEOG 2253 World Regional Geography -----	3
<b>*RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>14</b>
HPET 2212 First Aid (or First Aid certification) -----	2
HPET 1223 Health and Wellness -----	3
LANG Foreign Language or Sign Language -----	3-5
PHYS 2104 Concepts in Physics -----	4
OR CHEM 1014 Concepts in Chemistry	
OR an alternative science with lab	
ENGL 2233 Eng. Grammar for Educators -----	3
MATH 1233 Probability and Statistics -----	3
MATH 2233 Elementary Math Structures -----	3
MATH 2243 Geometric Structures -----	3
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>30</b>
EDUC 3413 Emergent Literacy (K-3) -----	3
EDUC 4413 Diagnosis of Reading Problems -----	3
EDUC 3043 Found. of Math Methods (K-3) -----	3
EDUC 3313 Children's Literature (K-8) -----	3
EDUC 4203 Creative Activities -----	3
EDUC 4313 Intermediate Math Methods(4-8) -----	3
EDUC 4323 Science methods (1-8) -----	3
EDUC 4333 Social Studies Methods (1-8) -----	3
EDUC 4343 Intermediate Lang. Arts. Methods (4-8) -----	3
EDUC 4353 Integrated Literacy -----	3
<b>PROFESSIONAL EDUCATION COURSES</b> -----	<b>29</b>
EDUC 2801 Educational Seminar -----	1
(includes 30 hours Field Experience)	
EDUC 2301 Introduction to Education -----	3
(includes 30 hours Field Experience)	
EDUC 2402 Introduction to Exceptionalities -----	2
(includes 10 hours Field Experience)	
*EDUC 3112 Educational Psychology -----	3
EDUC 3123 Child/Adolescent Psychology -----	3
*EDUC 4112 Support Special Studts/Regular Classrm -----	2
EDUC 4122 Behavior Intervention -----	2
**EDUC 3032 Measurement & Evaluation -----	2
**EDUC 4131 Aggressive & Disruptive Behavior -----	1
**EDUC 4821 Multicultural Education -----	1
**EDUC 4960 Student Teaching -----	10
*Admission to Teacher Education required	
**Admission to Professional Semester required	
*While NOC students may choose from the list of recommended program electives to meet graduation requirements of 60 hours, students must meet the 12-hr. guidelines in communications, math, social studies, and science to graduate with a bachelor's degree. All classes listed under those electives must be completed at Northern or Northwestern in addition to a 3-hour Personal Finance course.	

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*School of Arts and Sciences*

**English**

The Associate in Arts degree program in English consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Arts degree in English at Northwestern Oklahoma State University.

**English**

Transfer students who have completed an Associate in Arts degree in English from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
<b>HUMANITIES</b>		
Electives .....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra .....	3	
<b>SCIENCE</b>		
Two sciences with lab .....	8	
<b>COMPUTER SCIENCE</b>		
CS 1113 Computer Concepts (or)		
BSAD 1113 Digital/Financial Literacy .....	3	
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation .....	1	
<b>GENERAL EDUCATION ELECTIVES</b> .....		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>15</b>	
LIT 2413 Intro to Literature .....	3	
LIT 2543 Survey British Lit. to 1800 .....	3	
LIT 2653 Survey British lit. from 1800 .....	3	
LIT 2773 Survey Am. Lit to 1865 .....	3	
LIT 2883 Survey Am. Lit from 1865 .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>8</b>	
ENGL 2233 Eng. Grammar for Educators .....	3	
SPCH 1713 Intro to Oral Communications .....	3	
JOUR 2240 Publications Practicum .....	1-2	
ENGL 2413 Creative Writing .....	3	
ENGL 2433 Intro to Fiction Writing .....	3	
ENGL 2433 Intro to Poetry Writing .....	3	
LIT 2113 Survey World Lit. Before 1650 .....	3	
LIT 2223 Survey World Lit. Since 1650 .....	3	
Foreign Language Electives .....	4-5	
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>	

PROGRAM REQUIREMENTS

Program Specific General Education Requirements:

- \*ENGL 1113 Composition I
- \*ENGL 1213 Composition II

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>42</b>
ENGL 2123 Foundations English Studies.....	3
*ENGL 2543 English Lit to 1800 .....	3
*ENGL 2653 English Lit Since 1800 .....	3
*ENGL 2773 American Lit to Whitman .....	3
*ENGL 2883 American Lit Since Whitman .....	3
ENGL 3103 Shakespeare I .....	3
ENGL 3403 World Literature.....	3
ENGL 4163 Literary Criticism.....	3
ENGL 4173 English Usage.....	3
Writing Requirement (choose 1).....	3
ENGL 3513 Technical Writing	
ENGL 3523 Advanced Composition	
ENGL 4413 Creative Writing	
ENGL 4453 English Capstone.....	3
**Advanced ENGL electives.....	9

\*Students who complete these program requirements at NOC are not required to take them again at NWOSU.

\*\*Advanced English electives must include one British novels course and one American novels course.

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*School of Arts and Sciences*

**Social Sciences**

The Associate in Arts degree program in Social Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Arts degree in History-Global Studies at Northwestern Oklahoma State University.

**History-Global Studies Option**

Transfer students who have completed an Associate in Arts degree in Social Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>
ENGLISH COMPOSITION	
ENGL 1113 English Composition I .....	3
ENGL 1213 English Composition II .....	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 .....	3
POLI 1113 American National Government .....	3
HUMANITIES	
Electives .....	6
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.	
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra .....	3
SCIENCE	
Two sciences with lab .....	8
COMPUTER SCIENCE	
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy .....	3
ORIENTATION	
ORNT 1101 Freshman Orientation .....	1
GENERAL EDUCATION ELECTIVES .....	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences	
<b>PROGRAM REQUIREMENTS</b> .....	<b>12</b>
PSYC 1113 General Psychology .....	3
SOCI 1113 Principles of Sociology .....	3
HIST 1483 Am. History to 1865 (or)	
HIST 1493 Am. History since 1865 .....	3
GEOG 2253 World Regional Geography .....	3
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>11-12</b>
ECON 2113 Macroeconomic Principles .....	3
ECON 2123 Microeconomic Principles .....	3
HIST 1113 Ancient World History .....	3
HIST 1223 Modern World History .....	3
SOCI 2223 Social Problems .....	3
LANG 1125 Spanish I .....	5
Consideration should be given to select foreign language and additional humanities to meet the requirements of many baccalaureate degrees.	
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>45</b>
HIST 1233 Non-Western Civilization .....	3
*GEOG 2113 World Regional Geography .....	3
HIST 3583 History of Middle and Far East Asia .....	3
HIST 3293 Europe, 1815-1945 .....	3
HIST 3603 U.S. Economic History .....	3
HIST 3703 Modern Latin America .....	3
HIST 3723 African American History .....	3
HIST 4013 World History Since 1945 .....	3
POLS 4223 International Relations .....	3
HIST 4433 Historical Methods .....	3
SOC 3323 Cultural Anthropology .....	3
Advanced electives in History .....	6
Advanced electives in History, Political Science, Or Sociology .....	6

\*Students who complete this course at NOC are not required to take it again at NWOSU.

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**Social Science**

The Associate in Arts degree program in Social Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Arts degree in History at Northwestern Oklahoma State University.

**History**

Transfer students who have completed an Associate in Arts degree in Social Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
<b>HUMANITIES</b>		
Electives .....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra .....	3	
<b>SCIENCE</b>		
Two sciences with lab .....	8	
<b>COMPUTER SCIENCE</b>		
CS 1113 Computer Concepts (or)		
BSAD 1113 Digital/Financial Literacy .....	3	
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation .....	1	
<b>GENERAL EDUCATION ELECTIVES</b> .....		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>12</b>	
PSYC 1113 General Psychology .....	3	
SOCI 1113 Principles of Sociology .....	3	
HIST 1483 Am. History to 1865 (or)		
HIST 1493 Am. History since 1865 .....	3	
GEOG 2253 World Regional Geography .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>11-12</b>	
ECON 2113 Macroeconomic Principles .....	3	
ECON 2123 Microeconomic Principles .....	3	
HIST 1113 Ancient World History .....	3	
HIST 1223 Modern World History .....	3	
SOCI 2223 Social Problems .....	3	
LANG 1125 Spanish I .....	5	
Consideration should be given to select foreign language and additional humanities to meet the requirements of many baccalaureate degrees.		
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>HISTORY</b>	
<b>MAJOR REQUIREMENTS</b> .....	<b>45</b>
*HIST 1213 Early World Civilization OR	
*HIST 1223 Modern World Civilization .....	3
*HIST 1483 U.S. History to 1877 .....	(3)
*HIST 1493 U.S. History since 1877 .....	3
HIST 1233 Non-Western Civilizations .....	3
HIST 4433 Historical Methods .....	3
Advanced electives in History .....	24
Advanced electives in History, Political Science, or Sociology .....	9

\*Upon completion of these courses at NOC, students seeking a bachelor's degree in History are not required to take them again at NWOSU.

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**Social Science**

The Associate in Arts degree program in Social Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Arts degree in Political Science at Northwestern Oklahoma State University.

**Political Science**

Transfer students who have completed an Associate in Arts degree in Social Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
<b>HUMANITIES</b>		
Electives .....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra .....	3	
<b>SCIENCE</b>		
Two sciences with lab .....	8	
<b>COMPUTER SCIENCE</b>		
CS 1113 Computer Concepts (or)		
BSAD 1113 Digital/Financial Literacy .....	3	
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation .....	1	
<b>GENERAL EDUCATION ELECTIVES</b> .....		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>12</b>	
PSYC 1113 General Psychology .....	3	
SOCI 1113 Principles of Sociology .....	3	
HIST 1483 Am. History to 1865 (or)		
HIST 1493 Am. History since 1865 .....	3	
GEOG 2253 World Regional Geography .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>11-12</b>	
<del>ANTH 2363 Native American Culture</del> .....	<del>3</del>	
ECON 2113 Macroeconomic Principles .....	3	
ECON 2123 Microeconomic Principles .....	3	
HIST 1113 Ancient World History .....	3	
HIST 1223 Modern World History .....	3	
SOCI 2223 Social Problems .....	3	
LANG 1125 Spanish I .....	5	
Consideration should be given to select foreign language and additional humanities to meet the requirements of many baccalaureate degrees.		
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>42</b>
*POLS 1113 American Fed, Govt. & Politics .....	3
POLS 3013 Political Theory .....	3
POLS 3103 American Constitutional Law .....	3
POLS 3513 The American Congress .....	3
POLS 3543 The American Presidency .....	3
POLS 4113 Comparative Government (U.S. & Great Britain)	
OR	
POLS 4123 Comparative Gov (Major European) .....	3
POLS 4223 International Relations .....	3
POLS 4253 Federal, State & Local Relations .....	3
SOC 4723 Social Research & Evaluation .....	3
Advanced electives in History, Political Science, or Sociology .....	15

\*Upon completion of this course at NOC, the student will not be required to take the course again as part of the bachelor's degree.



**Associate in Arts Degree**  
**Northern Oklahoma College**  
*Division of Social Science*

**Bachelor of Arts Degree**  
**Northwestern Oklahoma State University**  
*School of Arts and Sciences*

**Social Science**

The Associate in Arts degree program in Social Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Arts degree in Political Science-Public Administration at Northwestern Oklahoma State University.

**Political Science—Public Administration Option**

Transfer students who have completed an Associate in Arts degree in Social Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>
ENGLISH COMPOSITION	
ENGL 1113 English Composition I -----	3
ENGL 1213 English Composition II -----	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3
POLI 1113 American National Government -----	3
HUMANITIES	
Electives -----	6
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.	
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra -----	3
SCIENCE	
Two sciences with lab -----	8
COMPUTER SCIENCE	
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy -----	3
ORIENTATION	
ORNT 1101 Freshman Orientation -----	1
GENERAL EDUCATION ELECTIVES -----	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences	
<b>PROGRAM REQUIREMENTS</b> -----	<b>12</b>
PSYC 1113 General Psychology -----	3
SOCI 1113 Principles of Sociology -----	3
HIST 1483 Am. History to 1865 (or)	
HIST 1493 Am. History since 1865 -----	3
GEOG 2253 World Regional Geography -----	3
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>11-12</b>
ECON 2113 Macroeconomic Principles -----	3
ECON 2123 Microeconomic Principles -----	3
HIST 1113 Ancient World History -----	3
HIST 1223 Modern World History -----	3
SOCI 2223 Social Problems -----	3
LANG 1125 Spanish I -----	5
Consideration should be given to select foreign language and additional humanities to meet the requirements of many baccalaureate degrees.	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>42</b>
*POLS 1113 American Fed. Govt. & Politics -----	3
POLS 3103 American Constitutional Law -----	3
POLS 3513 The American Congress -----	3
POLS 3613 Introduction to Public Administration -----	3
POLS 4253 Federal, State & Local Relations -----	3
POLS 4623 Public Policy Analysis -----	3
POLS 4703 Public Service Internship -----	3
POLS 4713 Public Service Leadership Institute -----	3
SOC 3423 Rural Sociology -----	3
SOC 4723 Social Research & Evaluation -----	3
SCOM 3613 Small Group Communication -----	3
*ECON 2113 Principles of Macroeconomics -----	3
*ECON 2123 Principles of Microeconomics -----	3
ECON 3133 Public Finance -----	3

\*Upon completion of this course, the student from NOC will not be required to take it again at NWOSU.

**Associate in Arts Degree**  
**Northern Oklahoma College**  
*Division of Social Science*

**Bachelor of Arts in Education Degree**  
**Northwestern Oklahoma State University**  
*School of Arts and Sciences*

**Social Science**

**Social Science Education**

The Associate in Arts degree program in Social Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Arts degree in Social Science Education at Northwestern Oklahoma State University.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
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POLI 1113 American National Government .....	3	
<b>HUMANITIES</b>		
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<b>MATHEMATICS</b>		
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CS 1113 Computer Concepts (or)		
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<b>ORIENTATION</b>		
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<b>GENERAL EDUCATION ELECTIVES</b> .....		4
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PSYC 1113 General Psychology .....	3	
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HIST 1483 Am. History to 1865 (or)		
HIST 1493 Am. History since 1865 .....	3	
GEOG 2253 World Regional Geography .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....		<b>11-12</b>
ECON 2113 Macroeconomic Principles .....	3	
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HIST 1223 Modern World History .....	3	
SOCI 2223 Social Problems .....	3	
LANG 1125 Spanish I .....	5	
Consideration should be given to select foreign language and additional humanities to meet the requirements of many baccalaureate degrees.		
<b>TOTAL CREDIT HOURS</b> .....		<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>54</b>	
*HIST 1213 Early World Civilization .....	3	
HIST 1233 Non-Western Civilization .....	3	
*HIST 1493 U.S. History Since 1877 .....	3	
*HIST 3123 OK History & Government .....	3	
HIST 4013 World History Since 1945 .....	3	
HIST 4441 Global Transformations in History .....	1	
HIST 4442 Teachers Course in Social Studies .....	2	
History Group I electives .....	6	
History Group II electives .....	12	
*ECON 2113 Principles of Macroeconomics .....	3	
*ECON 2123 Principles of Microeconomics .....	3	
*GEOG 2113 World Regional Geography .....	3	
<b>POLS 3013 Political Theory OR</b>		
POLS 3103 American Constitutional Law .....	3	
*SOC 1113 Introductory Sociology .....	3	
<b>SOC 3203 Social Theory (OR)</b>		
SOC 3323 Cultural Anthropology .....	3	
<b>History Group I Electives (6 hours)</b>		
HIST 3693 Colonial Latin America		
HIST 3713 Native American History		
HIST 3723 African American History		
HIST 3583 Middle and Far East Asia History		
<b>History Group II Electives (12 hours)</b>		
HIST 3603 U.S. Economic History		
HIST 3703 Modern Latin America		
HIST 4113 U.S. Diplomatic History		
HIST 4123 U.S. Military History		
HIST 4203 The American West		
HIST 4213 American Colonial Period		
HIST 4223 The U.S. 1783-1840		
HIST 4233 The U.S. 1841-1877		
HIST 4303 The U.S. 1877-1932		
HIST 4313 The U.S. 1933 to Present		
HIST 3293 Europe 1815-1945		
HIST 3023 The Middle Ages 500-1500		
<b>PROFESSIONAL EDUCATION REQUIREMENTS</b> .....		<b>34</b>
EDUC 2801 Educational Seminar .....	1	
EDUC 2103 Introduction to Education .....	3	
EDUC 2402 Introduction to Exceptionalities .....	2	
EDUC 3112 Educational Psychology .....	2	
EDUC 3123 Child/Adolescent Psychology .....	3	
EDUC 3422 Teaching Reading Skills/Content Area .....	2	
EDUC 3913 Principles & Methods of Teaching .....	3	
EDUC 4112 Support Special Students/Reg. Clsm. .....	2	
EDUC 4122 Behavior Intervention .....	2	
EDUC 3032 Measurement and Evaluation .....	2	
EDUC 4131 Aggressive and Disruptive Behavior .....	1	
EDUC 4821 Multicultural Education .....	1	
EDUC 4960 Student Teaching .....	10	

\*\*NOC students who wish to pursue a degree in Social Science Education must enroll in Global Transformations in History 4441 during the first or second semester at NWOSU.

General Education Program Specific Requirements:  
HIST 1223 Modern World Civilization, HIST 1483, US History to 1877, GEOG 1113 Fundamentals of Geography, and POLS 1113

	American Federal Government & Politics																																																																																																																
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**Sociology**

Transfer students who have completed an Associate in Arts degree in Social Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

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COMPUTER SCIENCE	
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy -----	3
ORIENTATION	
ORNT 1101 Freshman Orientation -----	1
GENERAL EDUCATION ELECTIVES -----	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences	
<b>PROGRAM REQUIREMENTS</b> -----	<b>12</b>
PSYC 1113 General Psychology -----	3
SOCI 1113 Principles of Sociology -----	3
PSYC 2233 Social Psychology -----	3
SOCI 2223 Social Problems -----	3
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>11-12</b>
MATH 2023 Elementary Statistics -----	3
PSYC 2583 Developmental Psychology -----	3
PSYC 2113 Human Sexuality -----	3
SOCI 2273 Marriage and Family -----	3
CRMJ 1113 Intro to Criminal Justice -----	3
CRMJ 2233 Juvenile Delinquency -----	3
PHIL 2213 Ethics -----	3
LANG 1125 Spanish I -----	5
Consideration should be given to select foreign language and additional humanities to meet the requirements of many baccalaureate degrees.	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>40</b>
Core Requirements:	
*SOC 1113 Introductory Sociology -----	3
*SOC 2123 Sociological Problems -----	3
SOC 3203 Social Theory -----	3
SOC 4723 Social Research & Evaluation -----	3
Required Courses:	
SOC 4203 Advance Social Theory	
OR	
*SOC 4303 Social Psychology -----	3
SOC 4713 Public Serv. Ldrshp Institute -----	3
Statistics Elective -----	3
Advanced Sociology Electives -----	19

\*Students who complete these courses as part of the requirements for the Associate in Arts degree in Sociology at NOC are not required to take them again at NWOSU.

**Associate in Arts Degree**  
**Northern Oklahoma College**  
*Division of Social Science*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Education*

**Social Science**

**Psychology**

The Associate in Arts degree program in Social Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Psychology at Northwestern Oklahoma State University.

Transfer students who have completed an Associate in Arts degree in Social Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

PROGRAM REQUIREMENTS

	Credit Hours
<b>GENERAL EDUCATION -----</b>	<b>37</b>
ENGLISH COMPOSITION	
ENGL 1113 English Composition I -----	3
ENGL 1213 English Composition II -----	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3
POLI 1113 American National Government -----	3
HUMANITIES	
Electives-----	6
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.	
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra -----	3
SCIENCE	
Two sciences with lab -----	8
COMPUTER SCIENCE	
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy -----	3
ORIENTATION	
ORNT 1101 Freshman Orientation -----	1
GENERAL EDUCATION ELECTIVES -----	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Psychology or Social Sciences	
<b>PROGRAM REQUIREMENTS -----</b>	<b>12</b>
PSYC 1113 General Psychology-----	3
SOCI 1113 Principles of Sociology-----	3
HIST 1483 Am. History to 1865 (or)	
HIST 1493 Am. History since 1865 -----	3
GEOG 2253 World Regional Geography -----	3
<b>RECOMMENDED PROGRAM ELECTIVES -----</b>	<b>11-12</b>
ECON 2113 Macroeconomic Principles -----	3
ECON 2123 Microeconomic Principles -----	3
GEOG 2243 Fundamentals of Geography -----	3
HIST 2323 Oklahoma History -----	3
MATH 2023 Elementary Statistics -----	3
POLI 2133 State and Local Government-----	3
PSYC 2113 Human Sexuality-----	3
PSYC 2233 Social Psychology-----	3
SOCI 2223 Social Problems -----	3
Hours from general ed elective above can be combined with a fourth program elective to complete with 12 hours.	
<b>TOTAL CREDIT HOURS-----</b>	<b>60</b>

	Credit Hours
<b>MAJOR REQUIREMENTS -----</b>	<b>40</b>
*PSYC 1113 General Psychology -----	3
PSYC 3103 History of Psychology -----	3
PSYC 3123 Human Life-Span Development -----	3
PSYC 4213 Statistics -----	3
PSYC 4223 Research Methods -----	3
PSYC 4233 Experimental Psychology -----	3
PSYC 4261 Field Experience -----	1
Elective Psychology (can be lower division) -----	6
Elective Advanced Psychology -----	15
*Upon completion of this course at NOC, the student will not be required to take the course again as part of the bachelor's degree.	

**Associate in Science Degree**  
**Northern Oklahoma College**  
*Division of Agricultural Sciences*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Education*

**Agricultural Sciences**

The Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Agribusiness at Northwestern Oklahoma State University.

**Agriculture Major/Animal Science Minor**

Transfer students who have completed an Associate in Science degree in Agricultural Sciences from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I -----	3 _____	
ENGL 1213 English Composition II -----	3 _____	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 -----	3 _____	
POLI 1113 American National Government -----	3 _____	
<b>HUMANITIES</b>		
Electives -----	6 _____	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1513 College Algebra (or)		
MATH 1493 Math Applications -----	3 _____	
<b>SCIENCE</b>		
BISI 1114 General Biology (or)		
BISI 1124 General Biology for Majors -----	4 _____	
CHEM 1314 General Chemistry (or)		
CHEM 1014 Concepts of Chemistry -----	4 _____	
<b>COMPUTER SCIENCE</b>		
BSAD 1113 Digital/Financial Literacy -----	3 _____	
(or other approved course)		
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation -----	1 _____	
<b>GENERAL EDUCATION ELECTIVES</b> -----		4 _____
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior 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 the overage hours taken from the Recommended Program Electives below.		
<b>PROGRAM REQUIREMENTS</b> -----	<b>16</b>	
AGRI 1113 Agricultural Economics -----	3 _____	
AGRI 1124 Intro to Animal Sciences -----	4 _____	
AGRI 1223 Intro to Plant/Soil Science -----	3 _____	
AGRI 2124 Fundamentals of Soil Science -----	4 _____	
AGRI 2222 Live Animal Evaluation -----	2 _____	
Substitutions may be made with prior approval.		
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>7</b>	
ACCT 2103 Accounting I-Financial -----	3 _____	
ACCT 2203 Accounting II-Managerial -----	3 _____	
AGRI 1013 Introduction to Horticulture -----	3 _____	
AGRI 2103 Agriculture Leadership -----	3 _____	
AGRI 2123 Livestock Feeding -----	3 _____	
AGRI 2523 Intro to Sheep Prod & Mgmt. -----	3 _____	
BISI 1314 General Botany -----	4 _____	
BISI 1414 General Zoology -----	4 _____	
BISI 2024 Entomology -----	4 _____	
SPCH 1713 Intro to Oral Communication -----	3 _____	
MATH 2023 Elementary Statistics -----	3 _____	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>47-48</b>
CMSC 1103 Microcomputer Applications -----	3 _____
*ECON 2123 Principles of Microeconomics OR	
*AGRI 1113 Agricultural Economics -----	3 _____
*AGRI 1124 Introduction to Animal Science -----	4 _____
*AGRI 1214 Introduction to Plant Science -----	4 _____
*AGRI 2123 Livestock Feeding -----	3 _____
AGRI 3133 Breeds of Livestock -----	3 _____
AGRI 3214 Soil Science -----	4 _____
AGRI 4133 Crop Production & Cultural Systems -----	3 _____
AGRI 4123 Agricultural Marketing -----	3 _____
AGRI 4233 Farm Management -----	3 _____
AGRI 4613 Purebred & Cow/Calf Beef Cattle Mgmt OR	
AGRI 4643 Swine Science OR	
AGRI 4623 Stocker & Feedlot Cattle Mgmt OR	
AGRI 3422 Horse Production -----	2-3 _____
Advanced Agriculture Electives -----	12 _____

Note 1: At least 1/2 the hours for the Agriculture major must be upper level.

Note 2: One minor is required with this major. Suggested minors are: Business, Entrepreneurial Management, Computer Science, Animal Science, Biology or Field Crop Consulting.

\*Students who complete these courses as part of the Associate in Science in Agricultural Sciences degree requirements at NOC are not required to take them again at NWOSU.

Credit Hours

<b>ANIMAL SCIENCE MINOR REQUIREMENTS</b> -----	<b>19</b>
*AGRI 1124 Introduction to Animal Sciences -----	4 _____
*AGRI 2123 Livestock Feeding -----	3 _____
AGRI 3413 Animal Genetics -----	3 _____
AGRI 3443 Animal Reproduction -----	3 _____
Advanced AGRI electives (choose from) -----	6 _____
AGRI 3133 Breeds of Livestock	
AGRI 3543 Principles of Animal Nutrition	
AGRI 4613 Purebred & Cow-Calf Cattle Management	
AGRI 4623 Stocker & Feedlot Cattle Management	
AGRI 4643 Swine Science	
AGRI 4753 Advanced Livestock Production	

**Associate in Science Degree**  
**Northern Oklahoma College**  
*Division of Agricultural Sciences*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Education*

**Agricultural Sciences-Agriculture Business Option**

The Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Agribusiness at Northwestern Oklahoma State University.

**Agriculture Major/Business Minor**

Transfer students who have completed an Associate in Science degree in Agricultural Sciences from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I -----	3 _____	
ENGL 1213 English Composition II -----	3 _____	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 -----	3 _____	
POLI 1113 American National Government -----	3 _____	
<b>HUMANITIES</b>		
Electives -----	6 _____	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1513 College Algebra (or)		
MATH 1493 Math Applications -----	3 _____	
<b>SCIENCE</b>		
BISI 1114 General Biology (or)		
BISI 1124 General Biology for Majors -----	4 _____	
CHEM 1314 General Chemistry (or)		
CHEM 1014 Concepts of Chemistry -----	4 _____	
<b>COMPUTER SCIENCE</b>		
BSAD 1113 Digital/Financial Literacy -----	3 _____	
(or other approved course)		
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation -----	1 _____	
<b>GENERAL EDUCATION ELECTIVES</b> -----		4 _____
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior 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 the overage hours taken from the Recommended Program Electives below.		
<b>PROGRAM REQUIREMENTS</b> -----	<b>16</b>	
AGRI 1113 Agricultural Economics -----	3 _____	
AGRI 1124 Intro to Animal Sciences -----	4 _____	
AGRI 1223 Intro to Plant/Soil Science -----	3 _____	
ACCT 2103 Accounting I-Financial -----	3 _____	
ACCT 2203 Accounting II-Managerial -----	3 _____	
Substitutions may be made with prior approval.		
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>7</b>	
AGRI 1013 Introduction to Horticulture -----	3 _____	
AGRI 2103 Agriculture Leadership -----	3 _____	
AGRI 2123 Livestock Feeding -----	3 _____	
AGRI 2523 Intro to Sheep Prod & Mgmt. -----	3 _____	
BISI 1314 General Botany -----	4 _____	
BISI 1414 General Zoology -----	4 _____	
BISI 2024 Entomology -----	4 _____	
SPCH 1713 Intro to Oral Communication -----	3 _____	
MATH 2023 Elementary Statistics -----	3 _____	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>47-48</b>
CMSC 1103 Microcomputer Applications -----	3 _____
*ECON 2123 Principles of Microeconomics OR	
*AGRI 1113 Agricultural Economics-----	3 _____
*AGRI 1124 Introduction to Animal Science-----	4 _____
*AGRI 1214 Introduction to Plant Science-----	4 _____
*AGRI 2123 Livestock Feeding -----	3 _____
AGRI 3133 Breeds of Livestock-----	3 _____
AGRI 3214 Soil Science-----	4 _____
AGRI 4133 Crop Production & Cultural Systems-----	3 _____
AGRI 4123 Agricultural Marketing -----	3 _____
AGRI 4233 Farm Management -----	3 _____
AGRI 4613 Purebred & Cow/Calf Beef Cattle Mgmt OR	
AGRI 4643 Swine Science OR	
AGRI 4623 Stocker & Feedlot Cattle Mgmt OR	
AGRI 3422 Horse Production-----	2-3 _____
Advanced Agriculture Electives-----	12 _____

Note 1: At least 1/2 the hours for the Agriculture major must be upper level.

Note 2: One minor is required with this major. Suggested minors are: Business, Entrepreneurial Management, Computer Science, Animal Science, Biology or Field Crop Consulting.

\*Students who complete these courses as part of the Associate in Science in Agricultural Sciences degree requirements at NOC are not required to take them again at NWOSU.

Credit Hours

<b>BUSINESS MINOR REQUIREMENTS</b> -----	<b>21</b>
ACCT 2003 Survey of Accounting -----	3 _____
ECON 2103 Survey of Economics -----	3 _____
FIN 3013 Survey of Finance -----	3 _____
GBUS 2903 Legal Environment of Business -----	3 _____
MGMT3063 Principles of Management -----	3 _____
MRKT 3043 Principles of Marketing -----	3 _____
Upper-level elective Business+ -----	3 _____

+Any upper-level course with the prefix ACCT, ECON, GBUS, FIN, MGMT, MIS or MRKT applies. Students must meet prerequisite requirements for any upper-level course taken.

**Associate in Science Degree**  
**Northern Oklahoma College**  
*Division of Agricultural Sciences*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Education*

**Agricultural Sciences-Plant and Soil Sciences Option**

The Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Agribusiness at Northwestern Oklahoma State University.

**Agriculture Major/Field Crop Consulting Minor**

Transfer students who have completed an Associate in Science degree in Agricultural Sciences from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I -----	3 _____	
ENGL 1213 English Composition II -----	3 _____	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 -----	3 _____	
POLI 1113 American National Government -----	3 _____	
<b>HUMANITIES</b>		
Electives -----	6 _____	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1513 College Algebra (or)		
MATH 1493 Math Applications -----	3 _____	
<b>SCIENCE</b>		
BISI 1114 General Biology (or)		
BISI 1124 General Biology for Majors -----	4 _____	
CHEM 1314 General Chemistry (or)		
CHEM 1014 Concepts of Chemistry -----	4 _____	
<b>COMPUTER SCIENCE</b>		
BSAD 1113 Digital/Financial Literacy -----	3 _____	
(or other approved course)		
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation -----	1 _____	
<b>GENERAL EDUCATION ELECTIVES</b> -----		4 _____
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior 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 the overage hours taken from the Recommended Program Electives below.		
<b>PROGRAM REQUIREMENTS</b> -----	<b>18</b>	
AGRI 1113 Agricultural Economics -----	3 _____	
AGRI 1124 Intro to Animal Sciences -----	4 _____	
AGRI 1223 Intro to Plant/Soil Science -----	3 _____	
AGRI 2124 Fundamentals of Soil Science -----	4 _____	
BISI 1314 General Botany -----	4 _____	
Substitutions may be made with prior approval.		
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>5</b>	
ACCT 2103 Accounting I-Financial -----	3 _____	
ACCT 2203 Accounting II-Managerial -----	3 _____	
AGRI 1013 Introduction to Horticulture -----	3 _____	
AGRI 2103 Agriculture Leadership -----	3 _____	
AGRI 2123 Livestock Feeding -----	3 _____	
AGRI 2523 Intro to Sheep Prod & Mgmt. -----	3 _____	
BISI 1414 General Zoology -----	4 _____	
BISI 2024 Entomology -----	4 _____	
SPCH 1713 Intro to Oral Communication -----	3 _____	
MATH 2023 Elementary Statistics -----	3 _____	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>47-48</b>
CMSC 1103 Microcomputer Applications -----	3 _____
*ECON 2123 Principles of Microeconomics OR	
*AGRI 1113 Agricultural Economics -----	3 _____
*AGRI 1124 Introduction to Animal Science -----	4 _____
*AGRI 1214 Introduction to Plant Science -----	4 _____
*AGRI 2123 Livestock Feeding -----	3 _____
AGRI 3133 Breeds of Livestock -----	3 _____
AGRI 3214 Soil Science -----	4 _____
AGRI 4133 Crop Production & Cultural Systems -----	3 _____
AGRI 4123 Agricultural Marketing -----	3 _____
AGRI 4233 Farm Management -----	3 _____
AGRI 4613 Purebred & Cow/Calf Beef Cattle Mgmt OR	
AGRI 4643 Swine Science OR	
AGRI 4623 Stocker & Feedlot Cattle Mgmt OR	
AGRI 3422 Horse Production -----	2-3 _____
Advanced Agriculture Electives -----	12 _____

Note 1: At least 1/2 the hours for the Agriculture major must be upper level.

Note 2: One minor is required with this major. Suggested minors are: Business, Entrepreneurial Management, Computer Science, Animal Science, Biology or Field Crop Consulting.

\*Students who complete these courses as part of the Associate in Science in Agricultural Sciences degree requirements at NOC are not required to take them again at NWOSU.

Credit Hours

<b>FIELD CROP CONSULTING MINOR REQUIREMENTS</b> -----	<b>21</b>
*AGRI 1214 Intro to Plant Sciences -----	4 _____
AGRI 3214 Soil Science -----	4 _____
AGRI 3173 Crop Adaptation & Distribution OR	
AGRI 4133 Crop Production & Cultural Systems -----	3 _____
AGRI 4143 Agri-Chemicals & Waste Management -----	3 _____
AGRI 4163 Crop Consulting -----	3 _____
*BIOL 1124 General Botany -----	4 _____



**Associate in Science Degree**  
**Northern Oklahoma College**  
*Division of Agricultural Sciences*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Education*

**Agricultural Sciences-Agriculture Communications Option**

The Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Agribusiness at Northwestern Oklahoma State University.

**Agriculture Major/Mass Communication Minor**

Transfer students who have completed an Associate in Science degree in Agricultural Sciences from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>
<b>ENGLISH COMPOSITION</b>	
ENGL 1113 English Composition I -----	3
ENGL 1213 English Composition II -----	3
<b>HISTORY AND GOVERNMENT</b>	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3
POLI 1113 American National Government -----	3
<b>HUMANITIES</b>	
Electives -----	6
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.	
<b>MATHEMATICS</b>	
MATH 1513 College Algebra (or)	
MATH 1493 Math Applications -----	3
<b>SCIENCE</b>	
BISI 1114 General Biology (or)	
BISI 1124 General Biology for Majors -----	4
CHEM 1314 General Chemistry (or)	
CHEM 1014 Concepts of Chemistry -----	4
<b>COMPUTER SCIENCE</b>	
BSAD 1113 Digital/Financial Literacy -----	3
(or other approved course)	
<b>ORIENTATION</b>	
ORNT 1101 Freshman Orientation -----	1
<b>GENERAL EDUCATION ELECTIVES</b> -----	
4	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior 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 the overage hours taken from the Recommended Program Electives below.	
<b>PROGRAM REQUIREMENTS</b> -----	<b>16</b>
AGRI 1113 Agricultural Economics -----	3
AGRI 1124 Intro to Animal Sciences -----	4
AGRI 1223 Intro to Plant/Soil Science -----	3
SPCH 1713 Intro to Oral Comm -----	3
ACCT 2103 Accounting I-Financial -----	3
Substitutions may be made with prior approval.	
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>7</b>
ACCT 2203 Accounting II-Managerial -----	3
AGRI 1013 Introduction to Horticulture -----	3
AGRI 2103 Agriculture Leadership -----	3
AGRI 2123 Livestock Feeding -----	3
AGRI 2523 Intro to Sheep Prod & Mgmt. -----	3
BISI 1314 General Botany -----	4
BISI 1414 General Zoology -----	4
BISI 2024 Entomology -----	4
MATH 2023 Elementary Statistics -----	3
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>47-48</b>
CMSC 1103 Microcomputer Applications -----	3
*ECON 2123 Principles of Microeconomics OR	
*AGRI 1113 Agricultural Economics-----	3
*AGRI 1124 Introduction to Animal Science-----	4
*AGRI 1214 Introduction to Plant Science-----	4
*AGRI 2123 Livestock Feeding -----	3
AGRI 3133 Breeds of Livestock-----	3
AGRI 3214 Soil Science-----	4
AGRI 4133 Crop Production & Cultural Systems -----	3
AGRI 4123 Agricultural Marketing -----	3
AGRI 4233 Farm Management -----	3
AGRI 4613 Purebred & Cow/Calf Beef Cattle Mgmt OR	
AGRI 4643 Swine Science OR	
AGRI 4623 Stocker & Feedlot Cattle Mgmt OR	
AGRI 3422 Horse Production-----	2-3
Advanced Agriculture Electives-----	12

Note 1: At least 1/2 the hours for the Agriculture major must be upper level.

Note 2: One minor is required with this major. Suggested minors are: Business, Entrepreneurial Management, Computer Science, Animal Science, Biology or Field Crop Consulting.

\*Students who complete these courses as part of the Associate in Science in Agricultural Sciences degree requirements at NOC are not required to take them again at NWOSU.

Credit Hours

<b>MASS COMMUNICATION MINOR REQUIREMENTS</b> -----	<b>20</b>
MCOM 2113 News Reporting -----	3
MCOM 2123 Intro to Mass Communication -----	3
MCOM 3541 Print & Online Media Practicum -----	1
MCOM 2023 Media History -----	3
MCOM 3521 Strategic Communication Practicum -----	1
MCOM 3901 Broadcast Practicum -----	1
Prescribed electives (choose from) -----	8
MCOM 3053, 3103, 3213, 3222, 3343, 3303, 3313, 3463, 3803, 4413, 3203, 4213, 3363, 4413, 4432, 4442, MRKT 3413, 4043	

**Associate in Science Degree**  
**Northern Oklahoma College**  
*Division of Agricultural Sciences*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Arts & Sciences*

**Agricultural Sciences-Pre-Vet Option**

The Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Agribusiness at Northwestern Oklahoma State University.

**Pre-Veterinary Medicine Program**  
**Biology Major/Chemistry Minor**

(Note: Could be completed with a Chemistry major/Biology minor.)  
 Transfer students who have completed an Associate in Science degree in Agricultural Sciences from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>
ENGLISH COMPOSITION	
ENGL 1113 English Composition I -----	3
ENGL 1213 English Composition II -----	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3
POLI 1113 American National Government -----	3
HUMANITIES	
Electives -----	6
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.	
MATHEMATICS	
MATH 1513 College Algebra (or)	
MATH 1493 Math Applications -----	3
SCIENCE	
BISI 1114 General Biology (or)	
BISI 1124 General Biology for Majors -----	4
CHEM 1314 General Chemistry I -----	4
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy -----	3
(or other approved course)	
ORIENTATION	
ORNT 1101 Freshman Orientation -----	1
GENERAL EDUCATION ELECTIVES -----	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior or Social Sciences. It is advised that if a student takes a <u>three</u> credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program Electives below.	
<b>PROGRAM REQUIREMENTS</b> -----	<b>18</b>
AGRI 1113 Agricultural Economics -----	3
AGRI 1124 Intro to Animal Sciences -----	4
AGRI 1223 Intro to Plant/Soil Science -----	3
BISI 2124 Microbiology -----	4
CHEM 1414 General Chemistry II -----	4
Substitutions may be made with prior approval.	
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>5</b>
ACCT 2103 Accounting I-Financial -----	3
ACCT 2203 Accounting II-Managerial -----	3
AGRI 1013 Introduction to Horticulture -----	3
AGRI 2103 Agriculture Leadership -----	3
AGRI 2123 Livestock Feeding -----	3
AGRI 2523 Intro to Sheep Prod & Mgmt. -----	3
BISI 1314 General Botany -----	4
BISI 1414 General Zoology -----	4
BISI 2024 Entomology -----	4
SPCH 1713 Intro to Oral Communication -----	3
MATH 2023 Elementary Statistics -----	3
MATH 1613 Trigonometry -----	3
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>BIOLOGY MAJOR REQUIREMENTS</b> -----	<b>40</b>
<b>Health Science Option</b>	
*BIOL 1224 General Zoology -----	4
BIOL 3814 Human Anatomy OR	
BIOL3235 Comparative Vertebrate Anatomy -----	4-5
BIOL 3194 Human Physiology -----	4
BIOL 3343 Genetics -----	3
*BIOL 3115 Microbiology -----	5
BIOL 3011 Science Fair Judging -----	1
BIOL 4011 Biology Seminar -----	1
BIOL 4021 Senior Seminar -----	1
Upper-level Biology electives+-----	16-17
+Recommended Electives:	
BIOL 3352 Genetics Laboratory	
BIOL 3363 Cell and Molecular Biology	
BIOL 3502 Medical Terminology	
BIOL 4103 Vertebrate Embryology	
BIOL 4265 Animal Parasitology	
BIOL 4323 Immunology	
BIOL 4115 Pathogenic Microbiology and Immunology	
BIOL 4143 Biochemistry	
BIOL 4470 Independent Study	
BIOL 4490 Readings in Biology	
BIOL 4503 Pathophysiology	
NOTE: Biology and Health Science Option majors must complete as part of his/her requirements:	
* CHEM 1115 General Chemistry I	
* CHEM 1215 General Chemistry II	
* MATH 1513 College Algebra	
* MATH 1613 College Trigonometry	
CMSC 1103 Microcomputer Applications	
	Credit Hours
<b>CHEMISTRY MINOR REQUIREMENTS</b> -----	<b>20</b>
CHEM 1215 General Chemistry II -----	5
CHEM 3114 Organic Chemistry I -----	4
CHEM 3015 Classical Chem Analysis -----	5
+Advanced Chemistry Electives -----	6
+Recommended Electives:	
CHEM 4114 Organic Chemistry II	
CHEM 4143 Biochemistry	
*Students who complete these courses as part of the Associate in Science in Agricultural Sciences degree requirements at NOC are not required to take them again at NWOSU.	

**Associate in Science Degree  
Northern Oklahoma College  
Division of Agricultural Sciences**

**Agricultural Sciences**

The Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Agribusiness at Northwestern Oklahoma State University.

**PROGRAM REQUIREMENTS**

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I -----	3	
ENGL 1213 English Composition II -----	3	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 -----	3	
POLI 1113 American National Government -----	3	
<b>HUMANITIES</b>		
Electives -----	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
<b>MATHEMATICS</b>		
MATH 1513 College Algebra (or)		
MATH 1493 Math Applications -----	3	
<b>SCIENCE</b>		
BISI 1114 General Biology (or)		
BISI 1124 General Biology for Majors -----	4	
CHEM 1314 General Chemistry (or)		
CHEM 1014 Concepts of Chemistry -----	4	
<b>COMPUTER SCIENCE</b>		
BSAD 1113 Digital/Financial Literacy (or other approved course) -----	3	
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation -----	1	
<b>GENERAL EDUCATION ELECTIVES</b> -----		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior or Social Sciences. It is advised that if a student takes a three hour course to apply to this requirement, the fourth credit hour may be counted from the average hours taken from the Recommended Program Electives below.		
<b>PROGRAM REQUIREMENTS</b> -----	<b>16</b>	
AGRI 1113 Agricultural Economics -----	3	
AGRI 1124 Intro to Animal Sciences -----	4	
AGRI 1223 Intro to Plant/Soils Science -----	3	
AGRI 2124 Fundamentals of Soil Science -----	4	
AGRI 2222 Live Animal Evaluation -----	2	
Substitutions may be made with prior approval.		
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>7</b>	
ACCT 2103 Accounting I-Financial -----	3	
ACCT 2203 Accounting II-Managerial -----	3	
AGRI 1013 Introduction to Horticulture -----	3	
AGRI 2103 Agriculture Leadership -----	3	
AGRI 2123 Livestock Feeding -----	3	
AGRI 2523 Intro to Sheep Prod & Mgmt. -----	3	
BISI 1314 General Botany -----	4	
BISI 1414 General Zoology -----	4	
BISI 2024 Entomology -----	4	
MATH 2023 Elementary Statistics -----	3	
SPCH 1713 Intro to Oral Communication -----	3	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>	

**Bachelor of Science Degree  
Northwestern Oklahoma State University  
School of Education**

**Agriculture Education**

Transfer students who have completed an Associate in Science degree in Agricultural Sciences from Northern Oklahoma College will have met the NWOSU General Education Requirements.

**PROGRAM REQUIREMENTS**

Credit Hours

<b>MAJOR REQUIREMENTS</b> -----	<b>70</b>
<b>Agriculture Core:-----33 hours</b>	
*AGRI 1113 Agricultural Economics -----	3
*AGRI 1124 Introduction to Animal Science -----	4
*AGRI 1214 Introduction to Plant Science -----	4
AGRI 2113 General Horticulture -----	3
AGRI 3112 Live Animal Evaluation-----	2
AGRI 3214 Soil Science -----	4
MCAG 3011 Agriculture Structures-----	1
MCAG 3211 Engines & Power-----	1
MCAG 3222 Metals & Welding-----	2
MCAG 3232 Lab Mgmt & Project Construction-----	2
MCAG 4101 Agricultural Electrification-----	1
AGED 3203 Planning the Comm Pro in Ag Ed-----	3
<b>Agriculture Electives:----- 3 hours</b>	
<b>Professional Education:----- 34 hours</b>	
EDUC 2010 Educ Seminar (30hrs field experience req.) ---	0
EDUC 2013 Child/Adolescent Psychology -----	3
EDUC 2103 Foundations of Education -----	3
EDUC 3113 Students w/Exceptionalities -----	3
EDUC 3322 Educational Psychology-----	2
EDUC 3422 Teaching Reading Content Area-----	2
EDUC 4122 Classroom Managemt/Behavior Interven I ----	2
EDUC 4221 Educational Technology -----	1
EDUC 4231 Assessment Design -----	1
EDUC 4320 Classroom Organization -----	0
AGED 4113 Lab Instruction in Agriculture Education -----	3
EDUC 4131 Classroom Mangmt/Behavior Interven II -----	1
EDUC 4332 Assessment & Evaluation Applic -----	2
EDUC 4821 Multicultural Education-----	1
EDUC 4960 Student Teaching -----	10

NOTE 1: Students may need additional Liberal Arts hours and/or upper division hours.  
 NOTE 2: Admission to Teacher Education required.  
 NOTE 3: Foreign Language Proficiency – all candidates must demonstrate foreign language proficiency in order to complete a degree in Education.

\*Students who complete these courses as part of the Associate in Science in Agricultural Sciences degree requirements at NOC are not required to take them again at NWOSU

**Associate in Science Degree  
Northern Oklahoma College  
Multi-Divisional**

**Bachelor of Arts Degree  
Northwestern Oklahoma State University  
School of Arts and Sciences**

**Arts and Sciences: General Studies Option**

The Associate in Science degree program in Arts and Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in General Studies at Northwestern Oklahoma State University.

**General Studies**

Transfer students who have completed an Associate in Science or Associate in Arts degree in Arts and Sciences from Northern Oklahoma College will have met the NWSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

**GENERAL EDUCATION ----- 37**

ENGLISH COMPOSITION	
ENGL 1113 English Composition I -----	3 _____
ENGL 1213 English Composition II -----	3 _____
HISTORY AND GOVERNMENT	
	3 3 _____
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3 _____
POLI 1113 American National Government -----	3 _____
HUMANITIES	
Electives -----	6 _____
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.	
MATHEMATICS*	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra -----	3 _____
SCIENCE	
Two sciences with lab -----	8 _____
COMPUTER SCIENCE	
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy -----	3 _____
ORIENTATION	
ORNT 1101 Freshman Orientation -----	1 _____
GENERAL EDUCATION ELECTIVES -----	4 _____
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior or Social Sciences.	

**PROGRAM REQUIREMENTS ----- 23**

This degree program must be completed with the assistance of the graduation adviser 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.

\*Students who are undecided on a major but considering transferring into a STEM (Science, Technology, Engineering, Math) degree program should enroll in MATH 1513.

**TOTAL CREDIT HOURS ----- 60**

PROGRAM REQUIREMENTS

Credit Hours

**GENERAL STUDIES REQUIREMENTS ----- 70**

Students must complete a minimum of 12 hours in four of the five concentration areas listed below (48 hours). In addition, students must complete a major concentration by earning 22 additional hours in one of the four selected concentration areas, for a total of 34 hours in one concentration. At least 40 hours of the 70 hours must be of upper division (3000-4000) level.

Concentration Areas:

- I. Arts and Humanities
  - English
  - History
  - Humanities
  - Music (no performance)
  - Spanish
  - Speech and Theatre
- II. Natural Science
  - Biology
  - Chemistry
  - Computer Science
  - Mathematics
  - Physical Science
- III. Business
  - Accounting
  - Agriculture
  - Business Administration
  - Economics
- IV. Behavioral Science
  - Political Science
  - Psychology
  - Sociology
- V. Applied Behavioral Science
  - Criminal Justice
  - Education
  - Health & Sports Science Education
  - Mass Communication
  - Social Work

**Associate in Science Degree  
Northern Oklahoma College**

*Division of Business*

**Bachelor of Science Degree  
Northwestern Oklahoma State University**

*School of Professional Studies*

**Business Administration**

The Associate in Science degree program in Business Administration consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Business Administration at Northwestern Oklahoma State University.

**Business Administration Major**

Transfer students who have completed an Associate in Science degree in Business Administration from Northern Oklahoma College will have met the NWOSU General Education Requirements with the exception of program-specific requirements.

**PROGRAM REQUIREMENTS**

Credit Hours

<b>GENERAL EDUCATION</b> -----	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I -----	3 _____	
ENGL 1213 English Composition II -----	3 _____	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 -----	3 _____	
POLI 1113 American National Government -----	3 _____	
<b>HUMANITIES</b>		
PHIL 2213 Ethics (or) -----	3 _____	
PHIL 2223 Business Ethics and		
one course to be chosen from those listed with International		
Dimension -----	3 _____	
<b>MATHEMATICS</b>		
MATH 1513 College Algebra -----	3 _____	
<b>SCIENCE</b>		
Two sciences with lab -----	8 _____	
<b>COMPUTER SCIENCE</b>		
CS 1113 Computer Concepts (or)		
BSAD 1113 Digital/Financial Literacy -----	3 _____	
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation -----	1 _____	
<b>GENERAL EDUCATION ELECTIVES</b> -----		<b>4</b>
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavior or Social Sciences.		
<b>PROGRAM REQUIREMENTS</b> -----	<b>21</b>	
ACCT 2103 Accounting I-Financial -----	3 _____	
ACCT 2203 Accounting II-Managerial -----	3 _____	
BSAD 1103 Introduction to Business -----	3 _____	
CS 2123 Business Tech & Applications -----	3 _____	
ECON 2113 Macroeconomic Principles -----	3 _____	
ECON 2123 Microeconomic Principles -----	3 _____	
MATH 2023 Elementary Statistics -----	3 _____	
<b>RECOMMENDED PROGRAM ELECTIVES</b> -----	<b>2-3</b>	
BMGT 2240 Business Internship -----	3 _____	
MATH 2103 Elementary Calculus -----	3 _____	
SPCH 1713 Intro to Oral Communications -----	3 _____	
<b>TOTAL CREDIT HOURS</b> -----	<b>60</b>	

**PROGRAM REQUIREMENTS**

Program-specific General Education Requirements:

- \*ENGL 1113 Composition I
- \*ENGL 1213 Composition II
- \*MATH 1513 College Algebra
- \*SCOM 1113 Intro to Speech Communication
- GBUS 2033 Leadership in Business
- \*FIN 1113 Personal Finance (Digital/Financial Literacy)

Credit Hours

**MAJOR REQUIREMENTS** ----- **46**

Foundation Core:

- \*ECON 2113 Principles of Macroeconomics ----- 3 \_\_\_\_\_
- \*ECON 2123 Principles of Microeconomics ----- 3 \_\_\_\_\_
- \*ACCT 2123 Financial Accounting ----- 3 \_\_\_\_\_
- \*ACCT 2133 Managerial Accounting ----- 3 \_\_\_\_\_
- GBUS 2903 Legal Environment of Business ----- 3 \_\_\_\_\_
- GBUS 2013 Business Math ----- 3 \_\_\_\_\_
- GBUS 1021 Business Environment ----- 1 \_\_\_\_\_
- MATH2013 Statistics ----- 3 \_\_\_\_\_

**Total Foundation Core** ----- **22**

Business Core:

- \*\*MRKT 3043 Principles of Marketing ----- 3 \_\_\_\_\_
- \*\*MGMT 3063 Principles of Management ----- 3 \_\_\_\_\_
- FIN 3163 Business Finance ----- 3 \_\_\_\_\_
- MIS 3413 Management Information Systems ----- 3 \_\_\_\_\_
- MGMT 4433 Business Policy ----- 3 \_\_\_\_\_
- GBUS 3753 Business Research ----- 3 \_\_\_\_\_
- GBUS 3953 Business, Society & Government ----- 3 \_\_\_\_\_
- MGMT 4343 Cross-Cultural Management ----- 3 \_\_\_\_\_

**Total Business Core** ----- **24**

\*Students who complete these courses as part of the Associate in Science in Business Administration degree requirements at NOC are not required to take them again at NWOSU.

\*\*If taken at NOC, student will lack 6 hours of upper-level hours.

Students majoring in Business Administration must minor in one of the following areas: Accounting, General Business, Entrepreneurship, Management, or Marketing.

Note 1: In any of the programs in business administration, the student must have at least 45 hours in upper-division business courses.

**Associate in Science Degree  
Northern Oklahoma College**  
*Division of Business*

**Bachelor of Science Degree  
Northwestern Oklahoma State University**  
*School of Arts and Sciences*

**Computer Science, Pre-Professional**

**Computer Science—Major/Minor Option**

The Associate in Science degree program in Computer Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Computer Science at Northwestern Oklahoma State University.

Transfer students who have completed an Associate in Science degree in Computer Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
<b>ENGLISH COMPOSITION</b>		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
<b>HISTORY AND GOVERNMENT</b>		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
<b>HUMANITIES</b>		
PHIL 2213 Ethics (or) .....	3	
PHIL 2223 Business Ethics and one course to be chosen from those listed with International Dimension .....	3	
<b>MATHEMATICS</b>		
MATH 1513 College Algebra or higher .....	3	
<b>SCIENCE</b>		
Two sciences with lab .....	8	
<b>COMPUTER SCIENCE</b>		
CS 1113 Computer Concepts .....	3	
<b>ORIENTATION</b>		
ORNT 1101 Freshman Orientation .....	1	
<b>GENERAL EDUCATION ELECTIVES</b> .....		4
SPCH 1713 Intro to Oral Communication .....	3	
<b>PROGRAM REQUIREMENTS</b> .....	<b>18-20</b>	
ACCT 2103 Accounting I-Financial .....	3	
CS 1013 Visual Basic Programming .....	3	
<b>ECON 2123 Microeconomic Principles (or)</b>		
ECON 2113 Macroeconomic Principles .....	3	
<b>MATH 2103 Elementary Calculus (or)</b>		
MATH 2145 Calculus I (or)		
MATH 2023 Elementary Statistics .....	3-5	
CS 2313 Programming with C++ .....	3	
CS 2303 Java Programming .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>5-6</b>	
ACCT 2203 Accounting II-Managerial .....	3	
CS 2123 Business Tech & Applications .....	3	
<b>ECON 2123 Microeconomic Principles (or)</b>		
ECON 2113 Macroeconomic principles .....	3	
MATH 2023 Elementary Statistics .....	3	
MATH 2155 Calculus II .....	5	
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>	

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>63</b>
CMSC 2003 Programming Concepts .....	3
CMSC 2103 Computer Programming I .....	3
CMSC 3003 Data Management Systems .....	3
CMSC 3033 Object Oriented Program in Java .....	3
CMSC 3063 Python Programming .....	3
CMSC 3093 Telecommunications .....	3
CMSC 3203 Computer Programming II .....	3
CMSC 3313 Human Interface Design .....	3
CMSC 3353 Java Script .....	3
CMSC 3403 Computer Organization .....	3
CMSC 3513 Information Security .....	3
CMSC 4003 Advanced Database & Server Systems .....	3
CMSC 4213 Computer Forensics .....	3
CMSC 4603 Operating Systems .....	3
CMSC 4703 Data Structures .....	3
*MATH 2013 Statistics .....	3
**Electives in Computer Sciences .....	15

\*Students who complete these courses at NOC are not required to repeat them at NWOSU.

\*\*Majors/minors may substitute up to 6 hours of upper-division MATH courses to count as elective advanced computer science.

NOTE 1: CMSC 1103 Microcomputer Applications will not count toward major or minor.

NOTE 2: Major/Minor students must take MATH 1513 College Algebra AND MATH 1613 Trigonometry.

**Associate in Science Degree  
Northern Oklahoma College  
Division of Business**

**Bachelor of Science Degree  
Northwestern Oklahoma State University  
School of Arts and Sciences**

**Computer Science, Pre-Professional**

**Computer Science: Information System Option**

The Associate in Science degree program in Computer Science consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Computer Science at Northwestern Oklahoma State University.

Transfer students who have completed an Associate in Science degree in Computer Science from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>
ENGLISH COMPOSITION	
ENGL 1113 English Composition I .....	3
ENGL 1213 English Composition II .....	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 .....	3
POLI 1113 American National Government .....	3
HUMANITIES	
PHIL 2213 Ethics (or) .....	3
PHIL 2223 Business Ethics and one course to be chosen from those listed with International Dimension .....	3
MATHEMATICS	
MATH 1513 College Algebra or higher .....	3
SCIENCE	
Two sciences with lab .....	8
COMPUTER SCIENCE	
CS 1113 Computer Concepts .....	3
ORIENTATION	
ORNT 1101 Freshman Orientation .....	1
GENERAL EDUCATION ELECTIVES	
SPCH 1713 Intro to Oral Communication .....	3
<b>PROGRAM REQUIREMENTS</b> .....	<b>18-20</b>
ACCT 2103 Accounting I-Financial .....	3
CS 1013 Visual Basic Programming .....	3
ECON 2123 Microeconomic Principles (or)	
ECON 2113 Macroeconomic Principles .....	3
MATH 2103 Elementary Calculus (or)	
MATH 2145 Calculus I (or)	
MATH 2023 Elementary Statistics .....	3-5
CS 2313 Programming with C++ .....	3
CS 2303 Java Programming .....	3
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>5-6</b>
ACCT 2203 Accounting II-Managerial .....	3
CS 2123 Business Tech & Applications .....	3
ECON 2123 Microeconomic Principles (or)	
ECON 2113 Macroeconomic principles .....	3
MATH 2023 Elementary Statistics .....	3
MATH 2155 Calculus II .....	5
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>45</b>
CMSC 2003 Programming Concepts .....	3
CMSC 2103 Computer Programming I .....	3
CMSC 3003 Data Management Systems .....	3
CMSC 3093 Telecommunications .....	3
Choose 2 of 4: .....	6
CMSC 3033 Object-Orientated Programming in Java	
CMSC 3043 Intro to COBOL	
CMSC 3053 Visual Basic Programming	
CMSC 3063 Python Programming	
CMSC 3203 Computer Programming II .....	3
CMSC 3313 Human Interface Design .....	3
CMSC 4013 Systems Analysis & Design .....	3
*ACCT2123 Financial Accounting .....	3
*ACCT 2133 Managerial Accounting .....	3
ACCT 3153 Cost Accounting I .....	3
Advanced Electives in Computer Science .....	9

\*Students who complete these courses at NOC are not required to repeat them at NWOSU.

<p align="center"><b>Associate in Science Degree</b>  <b>Northern Oklahoma College</b>  <i>Division of Health, Physical Education, and Recreation</i></p>	<p align="center"><b>Bachelor of Science Degree</b>  <b>Northwestern Oklahoma State University</b>  <i>School of Education</i></p>																																																																																																																																																																											
<p align="center"><b>Health, Physical Education, and Recreation</b></p> <p>The Associate in Science degree program in Health, Physical Education, and Recreation consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Health and Sports Science Education at Northwestern Oklahoma State University.</p>	<p align="center"><b>Health and Sports Science Education</b>  <b>Option I</b></p> <p>Transfer students who have completed an Associate in Science degree in Health, Physical Education and Recreation from Northern Oklahoma College will have met the NWOSU General Education Requirements.</p>																																																																																																																																																																											
<p align="center">PROGRAM REQUIREMENTS</p> <table border="0"> <tr> <td></td> <td align="right">Credit Hours</td> </tr> <tr> <td><b>GENERAL EDUCATION</b> .....</td> <td align="right"><b>37</b></td> </tr> <tr> <td colspan="2">ENGLISH COMPOSITION</td> </tr> <tr> <td>ENGL 1113 English Composition I .....</td> <td align="right">3</td> </tr> <tr> <td>ENGL 1213 English Composition II .....</td> <td align="right">3</td> </tr> <tr> <td colspan="2">HISTORY AND GOVERNMENT</td> </tr> <tr> <td>HIST 1483 American History to 1865 (or)</td> <td></td> </tr> <tr> <td>HIST 1493 American History since 1865 .....</td> <td align="right">3</td> </tr> <tr> <td>POLI 1113 American National Government .....</td> <td align="right">3</td> </tr> <tr> <td colspan="2">HUMANITIES</td> </tr> <tr> <td>PHIL 2213 Ethics (or) .....</td> <td align="right">3</td> </tr> <tr> <td>PHIL 2223 Business Ethics and</td> <td></td> </tr> <tr> <td>one course to be chosen from those listed with</td> <td></td> </tr> <tr> <td>International Dimension .....</td> <td align="right">3</td> </tr> <tr> <td colspan="2">MATHEMATICS</td> </tr> <tr> <td>MATH 1513 College Algebra or higher .....</td> <td align="right">3</td> </tr> <tr> <td colspan="2">SCIENCE</td> </tr> <tr> <td>Two sciences with lab .....</td> <td align="right">8</td> </tr> <tr> <td colspan="2">COMPUTER SCIENCE</td> </tr> <tr> <td>BSAD 1113 Digital/Financial Literacy .....</td> <td align="right">3</td> </tr> <tr> <td>(or other approved computer course)</td> <td></td> </tr> <tr> <td colspan="2">ORIENTATION</td> </tr> <tr> <td>ORNT 1101 Freshman Orientation .....</td> <td align="right">1</td> </tr> <tr> <td colspan="2">GENERAL EDUCATION ELECTIVES .....</td> <td align="right">4</td> </tr> <tr> <td>Select courses from Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences</td> <td></td> </tr> <tr> <td><b>PROGRAM REQUIREMENTS</b> .....</td> <td align="right"><b>19</b></td> </tr> <tr> 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**Associate in Science Degree**  
**Northern Oklahoma College**  
*Division of Science, Math, and Engineering*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Arts and Sciences*

**Mathematics and Physical Science-Mathematics Option**

The Associate in Science degree program in Mathematics and Physical Science-Mathematics Option consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Mathematics at Northwestern Oklahoma State University.

**Mathematics**

Transfer students who have completed an Associate in Science degree in Mathematics from Northern Oklahoma College will have met the NWOSU General Education Requirements.

PROGRAM REQUIREMENTS

Credit Hours

<b>GENERAL EDUCATION</b> .....	<b>37</b>	
ENGLISH COMPOSITION		
ENGL 1113 English Composition I .....	3	
ENGL 1213 English Composition II .....	3	
HISTORY AND GOVERNMENT		
HIST 1483 American History to 1865 (or)		
HIST 1493 American History since 1865 .....	3	
POLI 1113 American National Government .....	3	
HUMANITIES		
Electives .....	6	
*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.		
MATHEMATICS		
MATH 1513 College Algebra .....	3	
SCIENCE		
One Biological Science with Lab .....	4	
One Physical Science with Lab .....	4	
COMPUTER SCIENCE		
CS 1113 Computer Concepts (or)		
BSAD 1113 Digital/Financial Literacy .....	3	
ORIENTATION		
ORNT 1101 Freshman Orientation .....	1	
GENERAL EDUCATION ELECTIVES .....		4
MATH 1613 Plane Trigonometry .....	3	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		
<b>PROGRAM REQUIREMENTS</b> .....	<b>13</b>	
MATH 2145 Calculus I .....	5	
MATH 2155 Calculus II .....	5	
MATH 2613 Differential Equations .....	3	
<b>RECOMMENDED PROGRAM ELECTIVES</b> .....	<b>10</b>	
Select courses from: Computer Science, Physics and Statistics.		
<b>TOTAL CREDIT HOURS</b> .....	<b>60</b>	

\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.  
 \*\*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 and 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.

PROGRAM REQUIREMENTS

Credit Hours

<b>MAJOR REQUIREMENTS</b> .....	<b>46</b>
*MATH 1613 Trigonometry .....	3
*MATH 2013 Statistics .....	3
*MATH 2215 Analytical Geometry & Calculus I .....	5
*MATH 2315 Analytical Geometry & Calculus II .....	5
MATH 3323 Multivariable Calculus .....	3
MATH 3053 Discrete Math .....	3
MATH 3013 Linear Algebra .....	3
MATH 3033 Probability & Statistics I .....	3
MATH 3043 Math Technology .....	3
Electives chosen from: .....	15
MATH 3053 Modern Algebra	
MATH 3513 College Geometry	
MATH 4033 Probability & Statistics II	
MATH 4203 Differential Equations	
MATH 4533 Math Models & Applications	
MATH 4333 History of Math	

NOTE 1: Program Specific General Education: MATH 1513 College Algebra

NOTE 2: Advanced Standing tests are available in MATH 1513 and MATH 2215.

\*Students who complete these courses as part of the Associate in Science in Math and Physical Science-Mathematics Option degree requirements at NOC are not required to take them again at NWOSU.

**Associate in Science Degree  
Northern Oklahoma College**

*Division of Nursing*

**Bachelor of Science Degree  
Northwestern Oklahoma State University**

*School of Professional Studies*

**Nursing, Pre-Baccalaureate, Pre-Professional**

The Associate in Science degree program in Nursing consists of 60 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Nursing at Northwestern Oklahoma State University.

**Nursing**

Transfer students who have completed an Associate in Science degree in Nursing from Northern Oklahoma College will have met the NWOSU General Education Requirements with the exception of program-specific requirements.

PROGRAM REQUIREMENTS

Credit Hours

**GENERAL EDUCATION ----- 37**

**ENGLISH COMPOSITION**

ENGL 1113 English Composition I ----- 3 \_\_\_\_\_

ENGL 1213 English Composition II ----- 3 \_\_\_\_\_

**HISTORY AND GOVERNMENT**

HIST 1483 American History to 1865 (or)

HIST 1493 American History since 1865 ----- 3 \_\_\_\_\_

POLI 1113 American National Government ----- 3 \_\_\_\_\_

**HUMANITIES**

PHIL 2213 Ethics and one 3-hr humanities elective ----- 6 \_\_\_\_\_

\*One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities elective.

**MATHEMATICS**

MATH 1513 College Algebra ----- 3 \_\_\_\_\_

**SCIENCE**

BISI 2104 Human Anatomy ----- 4 \_\_\_\_\_

CHEM 1314 General Chemistry I ----- 4 \_\_\_\_\_

**COMPUTER SCIENCE**

CS 1113 Computer Concepts (or)

BSAD 1113 Digital/Financial Literacy ----- 3 \_\_\_\_\_

**ORIENTATION**

ORNT 1101 Freshman Orientation ----- 1 \_\_\_\_\_

**GENERAL EDUCATION ELECTIVES ----- 4**

Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences

**PROGRAM REQUIREMENTS ----- 14**

BISI 2204 Human Physiology ----- 4 \_\_\_\_\_

BISI 2124 Microbiology ----- 4 \_\_\_\_\_

PSYC 1113 General Psychology ----- 3 \_\_\_\_\_

SOCI 1113 Principles of Sociology ----- 3 \_\_\_\_\_

**RECOMMENDED PROGRAM ELECTIVES ----- 9**

\*NUTR 2123 Intro to Human Nutrition ----- 3 \_\_\_\_\_

HLST 1113 Medical Terminology ----- 3 \_\_\_\_\_

\*MATH 2023 Elementary Statistics ----- 3 \_\_\_\_\_

\*Required for Northwestern, electives for Northern graduation

**TOTAL CREDIT HOURS ----- 60**

PROGRAM REQUIREMENTS

Credit Hours

NURS3033 Pathophysiology for Nurses OR

BIOL 4503 Pathophysiology ----- 3 \_\_\_\_\_

PSYC 3123 Human Life-Span Development ----- 3 \_\_\_\_\_

**Total Prerequisites ----- 6**

**MAJOR REQUIREMENTS ----- 60**

NURS 3023 \*Role Transition (LPN & RN only) ----- 3 \_\_\_\_\_

NURS 3013 Introduction to Nursing Care & Skills ----- 3 \_\_\_\_\_

NURS 3037 Nursing Care of the Adult I ----- 7 \_\_\_\_\_

NURS 3103 Pharmacology & Nursing Care ----- 3 \_\_\_\_\_

NURS 3003 Holistic Assessment ----- 3 \_\_\_\_\_

NURS 3337 Nursing Care of the Adult II ----- 7 \_\_\_\_\_

NURS 3147 Nursing Care of the Family ----- 7 \_\_\_\_\_

NURS 4316 Nursing Care of the Adult III ----- 6 \_\_\_\_\_

NURS 4003 Research Utilization ----- 3 \_\_\_\_\_

NURS 3226 Nursing Care in Mental Health ----- 6 \_\_\_\_\_

NURS 4206 Nursing Care in the Community ----- 6 \_\_\_\_\_

NURS 4216 Nursing Leadership ----- 6 \_\_\_\_\_

NURS 4333 Professional Issues in Nursing ----- 3 \_\_\_\_\_

\*Licensed Practical Nurses (LPN) and Associate Degree Registered Nurses (ADN) receive 63 credit hours due to additional Role Transition course.

**Associate in Applied Science Degree**  
**Northern Oklahoma College**  
*Division of Nursing*

**Bachelor of Science Degree**  
**Northwestern Oklahoma State University**  
*School of Professional Studies*

**Nursing: Registered Nurse (RN)**

**Nursing (ADN-BSN)**

The Associate in Applied Science degree program in Nursing consists of 68 hours designed to provide the student with the first two years of general education and program requirements for transfer seamlessly to the Bachelor of Science degree in Nursing at Northwestern Oklahoma State University.

PROGRAM REQUIREMENTS

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	Credit Hours
<b>GENERAL EDUCATION -----</b>	<b>31</b>
<b>ENGLISH COMPOSITION</b>	
ENGL 1113 English Composition I -----	3
ENGL 1213 English Composition II -----	3
<b>HISTORY AND GOVERNMENT</b>	
HIST 1483 American History to 1865 (or)	
HIST 1493 American History since 1865 -----	3
POLI 1113 American National Government -----	3
<b>ORIENTATION</b>	
ORNT 1101 Freshman Orientation -----	1
<b>SCIENCE</b>	
CHEM 1314 General Chemistry I (or)	
BISI 1114 General Biology -----	4
BISI 2214 Human Anatomy and Physiology -----	4
BISI 2124 Microbiology -----	4
<b>SOCIAL SCIENCES</b>	
PSYC 1113 General Psychology -----	3
SOCI 1113 Principles of Sociology (or)	
SOCI 2223 Social Problems -----	3
<b>PROGRAM REQUIREMENTS -----</b>	<b>37</b>
NURS 1114 Fundamentals of Nursing -----	4
NURS 1124 Fundamentals Practicum -----	4
NURS 1234 Nursing of Adults I -----	4
NURS 1244 Nursing of Adults I Practicum -----	4
NURS 2071 Seminar in Nursing I -----	1
NURS 2072 Seminar in Nursing II -----	2
NURS 2334 Maternal—Child Nursing -----	4
NURS 2344 Maternal—Child Nursing Practicum -----	4
NURS 2415 Nursing of Adults II -----	5
NURS 2425 Nursing of Adults II Practicum -----	5

	Credit Hours
NURS3033 Pathophysiology for Nurses OR	
BIOL 4503 Pathophysiology -----	3
MATH 1313 Statistics (or)	
PSYC 4213 Statistics -----	3
MATH 1513 College Algebra -----	3
Chemistry (4 hr. lab science) -----	4
Human Anatomy & Physiology II or Human Physiology -	4
*Nutrition -----	3
*Human Life Span Development -----	3
<b>MAJOR REQUIREMENTS -----</b>	<b>60</b>
*NURS 3003 Holistic Assessment -----	3
*NURS 3013 Intro to Nursing Care & Skills -----	3
NURS 3023 Role Transition (LPN & RN only) -----	3
*NURS 3037 Nursing Care of the Adult I -----	7
*NURS 3103 Pharmacology & Nursing Care -----	3
*NURS 3147 Nursing Care of the Family -----	7
*NURS 3226 Nursing Care in Mental Health -----	6
*NURS 3337 Nursing Care of the Adult II -----	7
NURS 4003 Research Utilization -----	3
NURS 4206 Nursing Care in the Community -----	6
NURS 4216 Nursing Leadership -----	6
NURS 4316 Nursing Care of the Adult III -----	6
NURS 4333 Professional Issues in Nursing -----	3

\*Credit awarded through OBN/NWOSU articulation agreement

<b>ADDITIONAL GEN ED REQUIREMENTS -----</b>	<b>16</b>
SPCH 1113 Intro to Speech Communication -----	3
Humanities Elective -----	3

Note: Not all general education requirements are met with an Associate in Applied Science degree.

Note: 2000-level science courses listed above have required prerequisites.

**TOTAL CREDIT HOURS ----- 68**