

Education  
is the most  
powerful weapon  
which you can use  
to change the world.

-Nelson Mandela



# ARTS & SCIENCES

Contact the Dean: Lana Snider

419.267.1247

[lsnider@northweststate.edu](mailto:lsnider@northweststate.edu)



## Arts & Sciences Division

If you are trying to identify a program that will help you increase your knowledge, skills and abilities while enhancing your career options then the Arts & Sciences Division has programs to meet your needs.

Develop your critical thinking skills, sharpen your writing ability, and enhance your knowledge by completing a degree in Arts & Sciences. Position yourself to compete for jobs in the global economy by choosing the first step toward a bachelor's degree and a successful career.

The Associate of Arts (AA), Associate of Science (AS) and the Transfer Module (TM) programs are all designed to transfer into various bachelor degree programs. The future demands highly-skilled and knowledgeable people who are adaptable, flexible, and capable of embracing change in a fast-paced world. Choosing to pursue an AA, AS or the TM will help you develop the skills and knowledge required to be a highly sought-after graduate – by both universities and employers. Sign up and take the first step on your journey to success! Whatever goals you want to accomplish, our courses will help you develop the ability to achieve them.

### Program Learning Outcomes

1. Produce unified, coherent, and well-developed essays following the rules of written academic English and proper source documentation.
2. Interpret the larger thematic, historical, or cultural significance of primary works in the humanities.
3. Define and apply key concepts when examining human functioning and problems in society.
4. Demonstrate symbolic and graphic manipulations using analytic mathematics skills appropriate to the program.
5. Incorporate the steps of the scientific method, beginning with a question, and concluding by analyzing data and drawing conclusions about a stated hypothesis.
6. Apply information literacy skills focusing on locating and evaluating scholarly sources.

### Prerequisites

All students are required to demonstrate proficiencies in reading, writing, and mathematics based on scores on a placement test or by taking the recommended classes. If you have not taken the tests, stop by the Admissions Office in C100 or call (419) 267-1320 for information or referral to testing.

Some courses listed in this program have specific prerequisites. See prerequisites required for each course in the Course Description section of this publication.

### General Education

For Northwest State Core Requirements for all graduates, See page 31.

Students enrolled in either the Associate of Arts or Associate of Science degree program must demonstrate the following abilities through placement testing or successful course completion:

ENG095	Integrated College Reading
ENG099	Writing Workshop
MTH050	Review of Basic Math
MTH080	Review of Beginning Algebra
MTH090	Intermediate Algebra
MTH099	Engineering Math
CIS090	Introduction to Computers
OAS090	Keyboarding Basics

Additional courses should be selected in line with the student's chosen field of study and the four-year college to which the student plans to transfer. Note that many four-year institutions require a foreign language sequence.

## Associate of Arts

## Arts and Sciences Division

**English and Composition:**

2 Courses Required

ENG111	Composition I (“C” or better required)	3
ENG112	Composition II (Required)	3

**Credits****Humanities:**

15 Credit Hours Required

- One literature course: ENG223, ENG240, ENG241, ENG250, ENG251, ENG260, ENG261 (required)		
- One humanities survey: HUM209 or HUM210 (required)		
- No more than 6 hours in the applied arts*		
ART103	Beginning Drawing*	3
ART210	Oil/Acrylics*	3
ART220	Beginning Sculpture*	3
ENG217	Introduction to Creative Writing* ...	3
ENG223	Interpretation of Literature	3
ENG230	Children’s Literature	3
ENG240	Introduction to Poetry	3
ENG241	Introduction to Fiction	3
ENG250	American Literature Through the Mid-19th Century	3
ENG251	American Literature Since the Mid-19th Century	3
ENG260	British Literature Through the 18th Century	3
ENG261	British Literature 19th Century to Present	3
HUM209	Humanities and Cultures: Ancient & Medieval Worlds	3
HUM210	Humanities and Cultures: Renaissance to Present	3
HUM221	Music Appreciation	3
HUM230	Art Appreciation	3
PHI110	Critical Thinking and Logic	3
PHI201	Introduction to Philosophy	3
PHI210	Ethics	3
PHI230	World Religions	3

**Credits****Mathematics and Natural Science:**

10 Credit Hours Required

- At least 1 course must be a lab course*		
- One Transfer Module (TM) approved mathematics or statistics class **		
- Please Note: BIO100, CHM100 and PHY100 are the same course-choose the disciplinary prefix of most interest to you		
BIO100	World of Science	3
BIO101	Principles of Biology*	4
BIO115	Ecology*	4
BIO150	The Human Body	4
BIO180	Genetics*	4
BIO201	General Biology I*	4
BIO202	General Biology II*	4
BIO231	Anatomy & Physiology I*	4
BIO232	Anatomy & Physiology II*	4
BIO257	Microbiology*	4
CHM100	World of Science	3
CHM101	Principles of Chemistry*	4
CHM110	Science & Technology of Sustainability*	4
CHM138	Principles of Forensics	4
CHM201	General Chemistry I*	5
CHM202	General Chemistry II*	5
CHM256	Principles of Biochemistry*	3
PHY100	World of Science	3
PHY101	Principles of Physical Science*	4
PHY140	Astronomy*	4
PHY150	Geology*	4
PHY251	Physics: Mechanics & Heat*	4
PHY252	Physics: Electricity & Magnetism*	4
MTH109	College Algebra**	3
MTH112	Trigonometry**	3
MTH213	Calculus I**	5
MTH214	Calculus II**	5
STA120	Introduction to Statistics**	3

**Social/Behavioral Sciences:**

15 Credit Hours Required

One Behavioral Science Course Required:

PSY110	General Psychology	3
--------	--------------------	---

One Social Science Course Required:

SSC101	Sociology	3
--------	-----------	---

For remaining credits, choose from the following:

ECO211	Macroeconomics	3
ECO212	Microeconomics	3
GEO110	World Geography	3
GEO210	Geography - U.S. & Canada	3
HIS101	U.S. History Pre-1876	3
HIS102	U.S. History Post-1876	3
HIS203	U.S. Since 1945	3
HIS210	The Modern World	3
HST212	Principles of Addiction	3
HST240	Social Problems	3
HST242	Marriage and the Family	3
PSY210	Abnormal Psychology	3
PSY220	Social Psychology	3
PSY230	Human Growth & Development	3
SSC120	American Government	3
SSC130	Comparative Government	3
SSC210	Cultural Diversity	3

**Credits****Elective:**

14 Credit Hours Required

Electives may include any 100 or 200 level course. Electives should be selected in line with the student’s chosen field of study and the four-year college to which the student plans to transfer. Note that many four-year institutions require a foreign language sequence.

**Total Required:**

60 Credit Hours

Curriculum guide sheets for typical programs are available from Admissions. Students planning to transfer to another college should use a guide sheet to help with academic planning. For additional guidance, students should contact the college to which they intend to transfer and contact the Arts & Sciences Division office.

Students must attain an overall 2.00 grade point average to graduate.

## Associate of Science

## Arts &amp; Sciences Division

**English Composition:**

2 Courses Required

ENG111	Composition I (“C” or better required)	3
ENG112	Composition II (Required)	3

**Credits****Humanities:**

12 Credit Hours Required

- One Literature course: ENG223, ENG240, ENG241, ENG250, ENG251, ENG260, ENG261 (required)

- One humanities survey: HUM209 or HUM210 (required)

- No more than 6 hours in the applied arts\*

ART103	Beginning Drawing*	3
ART210	Oil/Acrylics*	3
ART220	Beginning Sculpture*	3
ENG217	Introduction to Creative Writing* ...	3
ENG223	Interpretation of Literature	3
ENG230	Children’s Literature	3
ENG240	Introduction to Poetry	3
ENG241	Introduction to Fiction	3
ENG250	American Literature Through the Mid-19th Century	3
ENG251	American Literature Since the Mid-19th Century	3
ENG260	British Literature Through the 18th Century	3
ENG261	British Literature 19th Century to Present	3
HUM209	Humanities and Cultures: Ancient & Medieval Worlds	3
HUM210	Humanities and Cultures: Renaissance to Present	3
HUM221	Music Appreciation	3
HUM230	Art Appreciation	3
PHI110	Critical Thinking and Logic	3
PHI201	Introduction to Philosophy	3
PHI210	Ethics	3
PHI230	World Religions	3

**Credits****Social/Behavioral Sciences:**

12 Credit Hours Required

- One Behavioral Science Course Required:

PSY110	General Psychology	3
--------	--------------------	---

- One Social Science Course Required:

SSC101	Sociology	3
--------	-----------	---

For remaining credits, choose from the following:

ECO211	Macroeconomics	3
ECO212	Microeconomics	3
GEO110	World Geography	3
GEO210	Geography - U.S. & Canada	3
HIS101	U.S. History Pre-1876	3
HIS102	U.S. History Post-1876	3
HIS203	U.S. Since 1945	3
HIS210	The Modern World	3
HST212	Principles of Addiction	3
HST240	Social Problems	3
HST242	Marriage and the Family	3
PSY210	Abnormal Psychology	3
PSY220	Social Psychology	3
PSY230	Human Growth & Development	3
SSC120	American Government	3
SSC130	Comparative Government	3
SSC210	Cultural Diversity	3

**Credits****Mathematics and Natural Science:**

16 Credit Hours Required.

- At least 2 courses must be lab courses\*

- Mathematics proficiency must be demonstrated at the level of MTH 109 College Algebra and MTH112 Trigonometry or MTH213 Calculus I

- Please Note: BIO100, CHM100 and PHY100 are the same course—choose the disciplinary prefix of most interest to you

BIO100	World of Science	3
BIO101	Principles of Biology*	4
BIO115	Ecology*	4
BIO150	The Human Body	4
BIO180	Genetics*	4
BIO201	General Biology I*	4
BIO202	General Biology II*	4
BIO231	Anatomy & Physiology I*	4
BIO232	Anatomy & Physiology II*	4
BIO257	Microbiology*	4
CHM100	World of Science	3
CHM101	Principles of Chemistry* of Sustainability*	4
CHM110	Science&Technology	4
CHM138	Principles of Forensics	4
CHM201	General Chemistry I*	5
CHM202	General Chemistry II*	4
CHM256	Principles of Biochemistry*	3
PHY100	World of Science	3
PHY101	Principles of Physical Science*	4
PHY140	Astronomy*	4
PHY150	Geology*	4
PHY251	Physics: Mechanics & Heat*	4
PHY252	Physics: Electricity & Magnetism*	4
MTH109	College Algebra	3
MTH112	Trigonometry	3
MTH213	Calculus I	5
MTH214	Calculus II	5

**Electives:**

14 Credit Hours Required

Electives may include any 100 or 200 level course. Electives should be selected in line with the student’s chosen field of study and the four-year college to which the student plans to transfer. Note that many four-year institutions require a foreign language sequence.

**Total Required:**

60 Credit Hours

Curriculum guide sheets for typical programs are available from Admissions. Students planning to transfer to another college should use a guide sheet to help with academic planning. For additional guidance, students should contact the college to which they intend to transfer and contact the Arts & Sciences Division office.

Students must attain an overall 2.00 grade point average to graduate.

# Visual Communication-Graphic Design

## Associate of Applied Business

### Arts and Sciences Division

Students for a variety of positions utilizing computer graphics and imaging skills. Graduates are prepared to produce public relations materials including print, video and electronic media.

Graduates may transfer as juniors to complete a bachelor's degree in visual communications.

### Career Outlook

Opportunities within this field are expected to grow due to the emphasis on visual appeal in product design, advertising, marketing, web design and television. Willingness to relocate, however, may be an important factor since many of the opportunities will be in larger metropolitan areas.

### Program Learning Outcomes

Students will be able to:

1. Produce, analyze, and evaluate photos and video taken under various conditions.
2. Analyze, edit, and prepare photos for various uses.
3. Apply knowledge of graphics and drawing skills to create a product.
4. Manipulate software programs to create and enhance graphics, web pages, and print layouts.
5. Plan, prepare, and produce a multimedia project.

See page 31 for a list of Natural Science and Social Behavioral Science Electives.

#### Communication Electives:

- BUS211 Business Communications
- ENG113 Speech
- ENG210 Technical Writing
- ENG214 Discussion & Conference Methods
- ENG217 Introduction to Creative Writing

#### Mathematics Electives:

- MTH105 Quantitative Reasoning
- MTH109 College Algebra (Transfer)

#### Program Electives:

- ART210 Oil/Acrylic Painting
- ART220 Beginning Sculpture
- BUS221 Business Law
- CAD111 CAD I
- MGT110 Management
- MTH112 Trigonometry (Transfer)
- VCT289 VCT Co-Op Experience

<u>First Semester</u>		<u>Credits</u>
ART103	Beginning Drawing .....	3
CIS114	Microsoft Applications .....	3
ENG111	Composition I .....	3
+ VCT103	Introduction to Visual Communication .....	3
+ VCT108	Photo Editing .....	2
+ VCT182	Photography .....	<u>3</u>
		17

<u>Second Semester</u>		<u>Credits</u>
+ CIS119	PowerPoint .....	1
+ CIS129	Web Page Development .....	3
ENG112	Composition II .....	3
+ VCT111	Layout & Design .....	3
+ VCT120	Vector Graphics .....	3
	Mathematics Elective .....	<u>3</u>
		16

<u>Third Semester</u>		<u>Credits</u>
ACC111	Financial Accounting .....	3
HUM230	Art Appreciation .....	3
+ VCT261	3D Computer Modeling .....	3
+ VCT268	Video Production .....	3
	Natural Science Elective .....	<u>3</u>
		15

<u>Fourth Semester</u>		<u>Credits</u>
+ VCT204	Concepts of Visual Communication	3
+ VCT266	Multimedia Production .....	3
	Communication Elective .....	3
	Program Elective* .....	3
	Social Behavioral Science Elective.	<u>3</u>
		15

**Total Program Credit Hours** **63**

- \* Students planning to transfer to a four-year college should take MTH112 Trigonometry.
- + Students must attain a 2.00 grade point average in these technical courses to graduate.

## Northwest State Transfer Module

### Arts & Sciences Division

The NSCC Transfer Module consists of 40 semester credit hours which will transfer to any Ohio public two-or four-year college. Students should follow the instructions below in selecting courses for the Transfer Module:

1. Choose courses to fulfill the minimum requirements in each section below, according to the guidelines provided.
2. Complete the remaining hours of the Transfer Module by selecting additional courses listed in any of the sections to total the 40 semester hours required for the Transfer Module. NOTE: Be sure to check with an advisor to assure that the courses chosen are appropriate for both the major and the transfer institution selected. Also, check the college catalog for any prerequisite requirements.
3. NSCC students completing the Associate of Arts or Associate of Science degree requirements will have satisfied this Transfer Module.

#### English Composition: Credits

- 2 courses required:

ENG111	Composition I (required).....	3
ENG112	Composition II (required) .....	3

#### Oral Communication: Credits

ENG113	Speech .....	3
--------	--------------	---

#### Mathematics Electives: Credits

- Select a minimum of 1 course from the following list:

MTH109	College Algebra.....	3
MTH112	Trigonometry.....	3
MTH213	Calculus I .....	5
MTH214	Calculus II .....	5
STA120	Introduction to Statistics.....	3

#### Arts & Humanities: Credits

- Select a minimum of 3 courses from the following list:

ENG223	Interpretation of Literature .....	3
ENG230	Children's Literature .....	3
ENG240	Introduction to Poetry .....	3
ENG241	Introduction to Fiction.....	3
ENG250	American Literature Through the Mid-19th Century .....	3
ENG251	American Literature Since the Mid-19th Century .....	3
ENG260	British Literature Through the 18th Century .....	3
ENG261	British Literature 19th Century to Present.....	3
HUM209	Humanities and Cultures: Ancient and Medieval Worlds.....	3
HUM210	Humanities and Cultures: Renaissance to Present .....	3
HUM221	Music Appreciation .....	3
HUM230	Art Appreciation.....	3
PHI110	Critical Thinking and Logic .....	3
PHI201	Introduction to Philosophy .....	3
PHI210	Ethics.....	3
PHI230	World Religions.....	3

#### Social/Behavioral Sciences Credits

- Select a minimum of 3 courses from at least 2 areas on the following list:

ECO211	Macroeconomics .....	3
ECO212	Microeconomics.....	3
GEO110	World Geography .....	3
GEO210	Geography - US and Canada.....	3
HIS101	U.S. History Pre-1876.....	3
HIS102	U.S. History Post-1876 .....	3
HIS203	U.S. Since 1945.....	3
HIS210	The Modern World .....	3
HST240	Social Problems.....	3
HST242	Marriage and the Family .....	3
PSY110	General Psychology .....	3
PSY210	Abnormal Psychology.....	3
PSY220	Social Psychology .....	3
PSY230	Human Growth & Development .....	3
SSC101	Sociology.....	3
SSC120	American Government.....	3
SSC130	Comparative Government .....	3
SSC210	Cultural Diversity.....	3

#### Natural and Physical Sciences: Credits

- Select a minimum of 6 credits from the following list:

- \* Denotes a lab course

BIO101	Principles of Biology* .....	4
BIO115	Ecology* .....	4
BIO150	The Human Body .....	4
BIO180	Principles of Genetics* .....	4
BIO201	General Biology I* .....	4
BIO202	General Biology II*.....	4
BIO231	Anatomy & Physiology I* .....	4
BIO232	Anatomy & Physiology II* .....	4
BIO257	Microbiology*.....	4
CHM101	Principles of Chemistry* .....	4
CHM110	Science and Technology of Sustainability.....	4
CHM201	General Chemistry I* .....	5
CHM202	General Chemistry II* .....	5
CHM256	Principles of Biochemistry* .....	3
PHY101	Principles of Physical Science* .....	4
PHY140	Astronomy* .....	4
PHY150	Principles of Geology*.....	4
PHY251	Physics: Mechanics & Heat* .....	4
PHY252	Physics: Electricity & Magnetism* .....	4