### ELEMENTARY EDUCATION FOUNDATIONS TRANSFER PATHWAY (AS) - 60 CREDITS

#### OVERVIEW

**WHY CHOOSE ELEMENTARY EDUCATION FOUNDATIONS?**

Normandale’s Elementary Education Pathway has been approved by the Minnesota Professional Educators Licensing and Standards Board (PELSIB) and allows students to transfer smoothly to any of the Minnesota State Universities Elementary Education programs: Minnesota State University, Mankato; St. Cloud State University; Southwest Minnesota State University; Bemidji State University; Minnesota State University, Moorhead; Metropolitan State University; and Winona State University. Each university has admission requirements, so be sure to check their websites.

**SKILLS ACQUIRED**

Elementary Education Foundations provides students with skills to do the following:

- Apply knowledge of schools, students and teachers today to the classroom setting
- Discover how young students learn
- Create a positive classroom environment for diverse learners
- Build strong relationships with students, colleagues and families
- Apply learning theory and management theory to the classroom setting
- Apply knowledge of diverse learners
- Apply a strong liberal arts background required for the field of education

**RECOGNITION**

The Education Training Academy (EdTAc) was founded in 2003 through support of a National Science Foundation (NSF) grant. The grant provided funding to develop and implement certain courses and services that would meet the goals listed below. Following the expiration of the grant in 2009, Normandale has continued to support the EdTAc program to ensure the quality foundational preparation of future teachers.

**CAREERS IN ELEMENTARY EDUCATION**

**Projected Job Growth**

According to iSeek.org, the growth rate in the state of Minnesota for Elementary School Teachers is 4.5%.

**Types of Jobs**

(iSeek.org)

Individuals who take Elementary Education Foundations can pursue careers in:

- Elementary School Teacher
- Kindergarten Teacher

**Average State Pay**

According to iSeek.org, in 2016, elementary school teachers earned a median salary of $57,654 in the state of Minnesota.

### DEGREES & CERTIFICATES IN ELEMENTARY EDUCATION FOUNDATIONS

The Associate of Science degree in Elementary Education Foundations prepares students for a major in elementary education at a 4-year college or university. It also is excellent preparation for students who wish to work as paraprofessionals or educational assistants in an elementary classroom.

This degree incorporates all Minnesota Transfer Curriculum (MnTC) goals. The degree also includes the requirements for entrance into third-year courses in other 4-year universities offering an elementary education major. Normandale has a partnership which enables students to obtain a 4-year elementary education degree from Minnesota State University, Mankato on the Normandale campus. Completion of the AS in Elementary Education Foundations degree does not guarantee entrance into any particular program.

This degree also provides students with a strong STEM Background. Students take 11-12 credits of sciences and 9 credits of Mathematics. Students are offered the opportunity to take ENGT 1050, Bridging Engineering and Education, which allows them the study how engineering is taught at the elementary level. After completing all these courses with acceptable success, students will receive a STEM content endorsement.

### REQUIREMENTS

The Elementary Education Foundation Transfer Pathway (AS) offers students a powerful option: the opportunity to complete an Associate of Science degree with course credits that directly transfer to designated Elementary Education bachelor's degree programs at Minnesota State universities. The curriculum has been specifically designed so that students completing this pathway degree and transferring to one of the seven Minnesota State universities enter the university with junior-year status. All courses in the Transfer Pathway associate degree will directly transfer and apply to the designated bachelor’s degree programs in a related field.

*Universities within the Minnesota State system include Bemidji State University, Metropolitan State University, Minnesota State University, Mankato; Minnesota State University Moorhead; Southwest Minnesota State University; St. Cloud State University; and Winona State University.*

### REQUIRED COURSES - 60 CREDITS

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<th>Code</th>
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*Individuals who have been arrested, charged or convicted of any criminal offense should investigate the impact that the arrest, charge or conviction may have on their chances of employment in the field they intend to study or on their chances to obtain federal, state and other higher education financial aid.*
ART 1101 The Visual Arts | 3 CR  
MnTC Goals: 6, 8

Introduction to the concepts underlying the creation and appreciation of the visual arts. Examination of works of Western and non-Western art; the visual elements and principles of design, art mediums, expression, and style. In addition to lecture, weekly studio sessions allow for the exploration of the creative process in works of art using a variety of materials.

Credits: 3 Semesters: Fall, Spring

CHEM 1020 INTRODUCTORY CHEMISTRY | 4 CR  
MnTC Goals: 3

Basic principles of chemistry discussed and applied to everyday situations. Tools and methods of investigation used by chemists are introduced through weekly laboratory sessions. Lecture 3 hours, lab 2 hours.

Credits: 4 Semesters: Fall, Spring

COMM 1101 FUNDAMENTALS OF PUBLIC SPEAKING | 3 CR  
Required for ENGL 1101, and READ 1106 MnTC Goals: 1

The primary purpose of this course is to provide instruction and practical experience in the basic fundamentals of effective public speaking. Students will prepare, perform, and evaluate a variety of speeches throughout the semester.

Credits: 3 Semesters: Fall, Spring

EDUC 1101 INTRODUCTION TO EDUCATION | 4 CR

Introduction to Education provides an overview of the education profession and the U.S. educational system, including historical development, social foundations and educational institutions. Other topics include current theories, trends and issues in education and the community, certification standards, roles and responsibilities of teachers, learners, and other school personnel, introductory instructional methods and classroom environment strategies, and a field experience/practicum.

Credits: 4 Semesters: Fall, Spring

EDUC 2101 EDUCATIONAL TECHNOLOGY | 3 CR  
Prereq: EDUC 1101

This course is designed to provide opportunities to explore and develop skills in using current technology platforms, software, and formats; demonstrating the current best practices of using technology as a tool to enhance learning; integrating technology in today's kindergarten through twelfth-grade classrooms; and raising awareness of technological accessibility tools that could meet the needs of students with impairments or disabilities.
ENGC 1101 FRESHMAN COMPOSITION | 4 CR
Prep. ENGC 0900 or equivalent for READ 1106 or equivalent for ENGC 1101 and READ 1106. MCTC Goals: 1
In this essential college-level writing course, students will practice the skills necessary for success in college and professional writing. Students will develop and apply critical reading and thinking skills in a variety of research and writing assignments, including analysis and argument, with some essays based on literary texts and other sources.
Credits: 4 Semesters: Fall, Spring

ENGL 2060 CHILDREN'S AND YOUNG ADULT LITERATURE | 3 CR
Prep. ENGL 1101 MCTC Goals: 6
Students will study literature written for children and young adults, from birth through high school, to effectively select, evaluate, and appreciate this literature. Course material includes various formats (picture books, easy readers, chapter books, middle grade books, young adult novels, or graphic narratives) and genres (traditional literature, fantasy, realism, historical fiction, factual books, or poetry). Topics include supporting young readers' selection of and responses to literature; studying the history of children and young adult literature; responding to censorship and controversy; and introducing children and young adults to books about diversity (race, ethnicity, disability, etc.).
Credits: 3 Semesters: Fall, Spring

ENGT 1050 BRIDGING ENGINEERING AND EDUCATION | 3 CR
Prep. Minimum of 6 credits in both college-level math and science or instructor approval
This course is a hands-on engineering experience, intended for elementary education majors, which covers topics in science, engineering, and technology with an emphasis on understanding what engineers do and how they make a world of difference. Students will learn that with some creativity and knowledge of the engineering design process, everyone can engineer. Topics that may be covered include: weather, water, simple machines, sound, plants, energy, and electricity; with corresponding engineering fields of mechanical, environmental, industrial, acoustical, package, green, and electrical. The structure and philosophy of engineering curricular materials, engineering activities, and appropriate instructional strategies will be emphasized in this course. Students will be prepared to deliver the Minnesota engineering standards in elementary math and science classes.
Credits: 3 Semesters: Fall, Spring

GEOG 1121 WORLD REGIONAL GEOGRAPHY | 3 CR
MCTC Goals: 5, 8
A survey of world issues and controversies at the regional and global scale; emphasizing the global economy, geopolitical issues, and environmental change.
Credits: 3 Semesters: Spring

GEOL 1110 ENVIRONMENTAL GEOLOGY | 3 CR
MCTC Goals: 3, 10
The relationship between people and the natural environment (particularly the geological components of that environment) and includes three general topics: resource distribution (minerals and energy resources), utilization, natural hazards (volcanoes, earthquakes, floods) and their effects on human activity, human impacts on the natural environment (waste disposal).
Credits: 3 Semesters: Fall, Spring

GEOL 1111 ENVIRONMENTAL GEOLOGY LABORATORY | 1 CR
Prep. GEOL 1110, or concurrent registration MCTC Goals: 3, 10
This class is an optional "add-on" lab for Environmental Geology (GEOL 1110) only for students who are concurrently or previously enrolled in GEOL 1110 and wish to have GEOL 1110 count for a C3 laboratory science requirement.
Credits: 1 Semesters: Fall, Spring

HIST 1111 UNITED STATES HISTORY I | 4 CR
MCTC Goals: 5, 7
The Age of Exploration, Colonial America, Revolutionary Era, The Early National Period, Reform and Expansion, the road to the Civil War, Civil War, and Reconstruction.
Credits: 4 Semesters: Fall, Spring

HLTH 1106 DRUG USE AND ABUSE | 3 CR
This course will examine the impact of mood-altering substances on the individual, family, and society. This includes an exploration of the interrelatedness of personal decisions regarding the use/non-use of mood-altering substances on politics, economics, and the various socio-cultural institutions.
Credits: 3 Semesters: Fall, Spring

MATH 1055 ELEMENTS OF MATHEMATICS I | 4 CR
Prep. Eligible for MATH 1060, or MATH 0930 (C or better), or the equivalent in MATH 0601, 0602, 0603 MCTC Goals: 4
As part of a two-course sequence, this course focuses on counting and numbers, operations, fractions, decimals, ratio and proportion, number theory, and algebra. Emphasis on mathematical reasoning, estimation, and problem solving.
Credits: 4 Semesters: Fall, Spring
MATH 1065 ELEMENTS OF MATHEMATICS 2 | 4 CR
Recommended: MATH 1055 MnTC Goals: 4
As part of a two-course sequence, this course focuses on measurement, geometry, probability, data and statistics. Emphasis on mathematical reasoning, estimation, and problem solving. Satisfies MnTC Goal 4.

Credits: 4 Semesters: Fall, Spring

PHIL 1103 ETHICS | 3 CR
Recommended: Eligible for READ 1106 MnTC Goals: 6, 9
This course is an introduction to the philosophical study of morality. It will examine several important ethical theories concerning virtue and vice, the nature of right action, standards of value, and conceptions of the good life. Contemporary moral issues will be critically examined in light of these theories. Topics may include marriage equality, animal rights, torture, euthanasia, freedom of speech, punishment and the death penalty, globalization and justice, and other issues. The course may also include topics in metaethics, such as ethical relativism. This course will help students to think analytically about the moral judgments we are tempted to make, with the goal of developing well-reasoned positions on important moral issues of personal and/or social concern.

Credits: 3 Semesters: Fall, Spring

PHYS 1114 INTRODUCTORY ASTRONOMY | 4 CR
Prereq: Eligible for MATH 1106, and READ 1106 MnTC Goals: 3
A one-semester introductory course in astronomy covering the tools and methods of astronomy and the physics of the solar system, stars, galaxies, and the universe. This course requires a background in intermediate algebra. Laboratory includes tools and methods of astronomy, data collection and analysis, and observations (when feasible). Lecture 3 hours, lab 2 hours. This course is not a sequel to PHYS 1104.

Credits: 4 Semesters: Fall, Spring

THTR 1151 ACTING I | 3 CR
MnTC Goals: 6
Physical, vocal and psychological process of acting. Exercises, games and discussion develop individual skills in the beginning actor.

Credits: 3 Semesters: Fall, Spring

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