

# GENERAL EDUCATION

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### A.S. DEGREE REQUIREMENTS

An Associate in Science degree requires a minimum of 30 semester credits of general education as outlined below. See your program's page in this catalog or your academic advisor for program-specific requirements.

#### REQUIRED COURSES

##### Communication

ENGL1150 Composition I . . . . . 3

##### Human Diversity

SPEE1020 Interpersonal Communication . . . . . 3

##### Mathematics (choose one course numbered over 1000)

MATS any Math course (except 1000 and 1205) . . . . . 3-4

##### Science (choose one course numbered over 1000)

BIOL any Biology course (except 1200) . . . . . 3-4

CHEM any Chemistry course . . . . . 4

PHYS any Physics course . . . . . 3

**Total Credits** **12-14**

#### ELECTIVE COURSES

Students must complete a minimum of 16-18 elective credits from at least two of the following Goal Areas listed on the following Minnesota Transfer Curriculum pages:

Goal 2 Critical Thinking  
 Goal 5 History and the Social and Behavioral Sciences  
 Goal 6 Humanities and Fine Arts  
 Goal 8 Global Perspective  
 Goal 9 Ethical and Civic Responsibility  
 Goal 10 People and the Environment

**Total Credits** **16-18**

**TOTAL REQUIREMENTS** **30**

### A.A.S. DEGREE REQUIREMENTS

An Associate in Applied Science degree requires a minimum of 15 credits of general education as outlined below. See the program page in this catalog for program-specific requirements.

#### REQUIRED COURSES

##### Communication

ENGL1150 Composition I . . . . . 3

##### Human Diversity

SPEE1020 Interpersonal Communication . . . . . 3

##### Mathematics or Science (choose one course numbered over 1000):

BIOL any Biology course (except BIOL1200) . . . . . 3-4

CHEM any Chemistry course . . . . . 4

PHYS any Physics course . . . . . 3-4

MATS any Math course (except 1000 and 1205) . . . . . 3-4

**Total Credits** **9-10**

#### ELECTIVE COURSES

Students may be required to complete additional credits beyond what is listed above. Choose from the courses listed on the following Minnesota Transfer Curriculum pages:

Goal 2 Critical Thinking  
 Goal 3 Natural Sciences  
 Goal 4 Mathematical/Logical Reasoning  
 Goal 5 History and the Social and Behavioral Sciences  
 Goal 6 Humanities and Fine Arts  
 Goal 8 Global Perspective  
 Goal 9 Ethical and Civic Responsibility  
 Goal 10 People and the Environment

**Total Credits** **5-6**

**TOTAL REQUIREMENTS** **15**

## DIPLOMA REQUIREMENTS

For students enrolled in diploma programs over 45 credits in length, a minimum of nine credits is required as outlined below. See your program's page in this catalog or your academic advisor for program-specific requirements.

### REQUIRED COURSES

#### Communication

ENGL1150 Composition I . . . . . 3

#### Human Diversity

SPEE1020 Interpersonal Communication . . . . . 3

General Education Elective (from any MnTC goal area). . . . . 3

**Total Credits 9**

**TOTAL REQUIREMENTS 9**

## MINNESOTA TRANSFER CURRICULUM

The Minnesota Transfer Curriculum (MnTC) is the format in which general education is defined and accomplished within the public two- and four-year colleges and universities in Minnesota. Completion of an MnTC course at one institution enables a student to receive credit for lower division general education MnTC coursework upon admission to other MnSCU colleges and universities as well as the University of Minnesota.

DCTC provides general education in the MnTC format and accepts MnTC courses from other MnSCU colleges and universities and from the University of Minnesota campuses.

Students who complete the entire general education transfer curriculum have shown competency in 10 goal areas. DCTC offers courses that meet all of the 10 goal areas. Students transferring these courses to other colleges transfer on a course-by-course basis. Courses approved for the Minnesota Transfer Curriculum are identified in DCTC publications by MnTC goal numbers.

### Minnesota Transfer Curriculum Completion

Completion of the Minnesota Transfer Curriculum (MnTC) may require additional courses beyond those required for the A.S., A.A.S., or diploma. If the intent is to transfer to another college, it is advisable to contact the transfer college for course selection recommendations and transfer admission process information. If a transfer college has not yet been identified, then use the Minnesota Transfer Curriculum courses listed on the following pages as a guide for course selection.

Successful completion of at least 40 credits within the accepted 10 goal areas as outlined below constitutes completion of the Minnesota Transfer Curriculum at DCTC. The goal area completion requirement is listed in italicized text after the description of each goal area. Notation of MnTC completion can be added to a student's transcript upon request after completion.

## COMMUNICATIONS (GOAL 1)

To develop writers and speakers who use the English language effectively and who read, write, speak and listen critically. As a base, all students should complete introductory communication requirements early in their collegiate studies. *MnTC completion requires three courses, one must be ENGL1150, and one SPEE.*

ENGL1125	Business Writing . . . . .	3 cr.
ENGL1150	Composition I . . . . .	3 cr.
ENGL1200	Technical Writing . . . . .	3 cr.
ENGL2000	English Composition II . . . . .	3 cr.
SPEE1015	Fundamentals of Public Speaking . . . . .	3 cr.
SPEE1020	Interpersonal Communication . . . . .	3 cr.
SPEE1042	Small Group Communication . . . . .	3 cr.
SPEE1050	Nonverbal Communication . . . . .	2 cr.

## CRITICAL THINKING (GOAL 2)

Students will be able to gather and use factual information to make logical assumptions, interpretations or connections. Critical thinking will be taught and used throughout the general education and technical curriculum to develop student's awareness of their own thinking and problem-solving procedures. This goal can be met in one of the following three ways: **1)** by completion of one course; **2)** by completion of Goal 1 and a technical program; **3)** by completion of the entire MnTC.

BIOL1250	Biology of Women and Men . . . . .	4 cr.
ENGL1675	Children's Literature . . . . .	3 cr.
PHIL1200	Critical Thinking . . . . .	3 cr.
PHIL1450	Philosophy of the Arts . . . . .	2 cr.
PSYC1105	General Psychology . . . . .	4 cr.

## NATURAL SCIENCES (GOAL 3)

To improve students' understanding of natural science principles and of the methods of scientific inquiry, i.e., the ways in which scientists investigate natural science phenomena. By studying the problems that engage today's scientists, students learn to appreciate the importance of science in their lives and to understand the value of a scientific perspective. *MnTC Completion requires two courses of two different disciplines; at least one must be a lab course.*

### Lab Sciences

BIOL1250	Biology of Women and Men . . . . .	4 cr.
BIOL1310	Introduction to Anatomy & Physiology . . . . .	4 cr.
BIOL1400	Ecology Field Studies . . . . .	4 cr.
BIOL1500	General Biology . . . . .	4 cr.
BIOL2020	Microbiology . . . . .	4 cr.
BIOL2000	Anatomy & Physiology I . . . . .	4 cr.
BIOL2010	Anatomy & Physiology II . . . . .	4 cr.
CHEM1500	Introduction to Chemistry . . . . .	4 cr.
PHYS1050	Introduction to Physics . . . . .	3 cr.
PHYS1100	College Physics I . . . . .	4 cr.
PHYS1200	College Physics II . . . . .	4 cr.

### Lab-like Sciences

BIOL1110	Environmental Science . . . . .	3 cr.
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## MATHEMATICAL/LOGICAL REASONING (GOAL 4)

To increase students' knowledge about mathematical and logical modes of thinking. This will enable students to appreciate the breadth of applications of mathematics, evaluate arguments, and detect fallacious reasoning. *MnTC completion requires one course that is at least three credits.*

MATS1251	Statistics	4 cr.
MATS1300	College Algebra	4 cr.
MATS1320	College Trigonometry	2 cr.
MATS1350	Math for Liberal Arts	4 cr.
PHIL1250	Introduction to Logic	3 cr.

## HISTORY AND THE SOCIAL AND BEHAVIORAL SCIENCES (GOAL 5)

To increase students' knowledge of how historians and social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity. *MnTC completion requires three courses from at least two disciplines.*

ECON1100	Principles of Microeconomics	3 cr.
ECON1200	Principles of Macroeconomics	3 cr.
HIST1100	History of United States to 1877	4 cr.
HIST1200	History of US from 1877 to Present	4 cr.
HIST1250	Women in America 1490 to Present	3 cr.
HIST1300	World History	4 cr.
HIST1350	World War II	3 cr.
HIST1400	American Environmental History	3 cr.
HIST1450	The History of Minnesota	3 cr.
PSYC1105	General Psychology	4 cr.
PSYC1200	Abnormal Psychology	3 cr.
PSYC1300	Child/Adolescent Psychology	3 cr.
PSYC1350	Lifespan Development	4 cr.
PSYC 1450	Death & Dying	2 cr.
SOCY1010	Marriage and Family	3 cr.
SOCY1110	Introduction to Sociology	3 cr.
SOCY1150	Race and Gender	2 cr.
SOCY1210	Social Issues in a Changing World	3 cr.
SOCY1250	Juvenile Delinquency	2 cr.
SOCY1400	Introduction to Criminal Justice	3 cr.
HIST1600	America, the Civil War, and the 19th Century	3 cr.

## HUMANITIES AND FINE ARTS (GOAL 6)

To expand students' knowledge of the human condition and human cultures, especially in relation to behavior, ideas and values expressed in works of human imagination and thought. Students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities. *MnTC completion requires two courses from two different disciplines.*

ARTS1001	Introduction to Visual Communication	3 cr.
ARTS1101	History of Photography	3 cr.
ARTS1201	The Creative Process	3 cr.
ARTS1300	History of Architecture	4 cr.
ARTS1301	Design Fundamentals	3 cr.
ARTS1550	Art History, Renaissance to Modern	3 cr.
ENGL1300	Intro to Creative Writing	3 cr.
ENGL1400	American Short Story	3 cr.
ENGL1550	Intro to Literature	3 cr.
ENGL1570	The Literature of Nature	2-3 cr.
ENGL1625	Film Studies	4 cr.
ENGL1630	Genre Film	1 cr.
ENGL1650	Greek Mythology	4 cr.
ENGL1675	Children's Literature	3 cr.
ENGL1725	Selected Works in Literature	3 cr.
ENGL1850	Introduction to Graphic Novels	3 cr.
ENGL1900	Creative Writing Workshop	3 cr.
HUMA1100	Introduction to the Humanities	4 cr.
HUMA1125	The Humanities in Modern Minnesota	3 cr.
PHIL1003	Philosophy of Sex and Love	3 cr.
PHIL1300	Introduction to Philosophy	3 cr.
PHIL1350	Medical Ethics	3 cr.
PHIL1450	Philosophy of the Arts	2 cr.

## HUMAN DIVERSITY (GOAL 7)

To increase students' understanding of individual and group differences (e.g., race, gender, class) and their knowledge of the traditions and values of various groups in the United States. Students should be able to evaluate the United States' historical and contemporary responses to group differences. *MnTC completion requires one course.*

PSYC1350	Lifespan Development	4 cr.
SOCY1150	Race and Gender	2 cr.
SPEE1020	Interpersonal Communication	3 cr.
SPEE1030	Intercultural Communication	3 cr.
HIST1550	America in the Vietnam Era	3 cr.



## GLOBAL PERSPECTIVE (GOAL 8)

To increase students' understanding of the growing interdependence of nations and peoples and develop their ability to apply a comparative perspective to cross-cultural social, economic and political experiences. *MnTC completion requires one course.*

HIST1300	World History	4 cr.
HUMA1100	Introduction to the Humanities	4 cr.
SOCY1210	Social Issues in a Changing World	3 cr.
SPAN1100	Beginning Spanish I	4 cr.
SPAN1200	Beginning Spanish II	4 cr.
SPEE1030	Intercultural Communication	3 cr.

## ETHICAL AND CIVIC RESPONSIBILITY (GOAL 9)

To develop students' capacity to identify, discuss, and reflect upon the ethical dimensions of political, social, and personal life and to understand the ways in which they can exercise responsible and productive citizenship. *MnTC completion requires one course.*

BIOL1250	Biology of Women and Men	4 cr.
ENGL1570	The Literature of Nature	2-3 cr.
HIST1550	America in the Vietnam Era	3 cr.
PHIL1003	Philosophy of Sex and Love	3 cr.
PHIL1100	Ethics	3 cr.
PHIL1300	Introduction to Philosophy	3 cr.
PHIL1350	Medical Ethics	3 cr.
SOCY1110	Introduction to Sociology	3 cr.
SOCY1250	Juvenile Delinquency	2 cr.
SOCY1400	Introduction to Criminal Justice	3 cr.

## PEOPLE AND THE ENVIRONMENT (GOAL 10)

To improve students' understanding of today's complex environmental challenges. Students will examine the interrelatedness of human society and the natural environment. Knowledge of both biophysical principles and sociocultural systems is the foundation for integrative and critical thinking about environmental issues. *MnTC completion requires one course.*

BIOL1110	Environmental Science	3 cr.
BIOL1200	Biology and Society	3 cr.
HIST1400	American Environmental History	3 cr.

## DEVELOPMENTAL EDUCATION

- General Education at the developmental level is designed to prepare students for transfer-level coursework and to enhance success within technical training programs.
- Developmental courses often help students improve test scores in order to qualify for entry into general education or technical coursework.
- Developmental course numbers begin with a zero. They cannot be used to satisfy graduation requirements.

### Communications

ENGL0120	Fundamentals of College Writing	3 cr.
ENGL0130	English Essentials	3 cr.
READ0110	College Reading Boost	1 cr.
READ0120	Fundamentals of College Reading	3 cr.
READ0130	College Reading	3 cr.

### Mathematical/Logic Reasoning

MATS0100	Mathematics Skills Lab	3 cr.
MATS0310	Algebra Skills Lab	4 cr.
MATS0600	Intermediate Algebra	4 cr.

