

LIBERAL ARTS & SCIENCES

GENERAL EDUCATION & TRANSFER CURRICULUM

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 12-14 cr

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

Elective Courses 16-18 cr

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 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 9-10 cr

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

Elective Courses 5-6 cr

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 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	9 cr
Communication	
ENGL1150 Composition I.....	3
Human Diversity	
SPEE1020 Interpersonal Communication.....	3
General Elective (any MnTC area)	3
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 Minnesota State colleges and universities as well as the University of Minnesota.

DCTC provides general education in the MnTC format and accepts MnTC courses from other Minnesota State 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.
ENGL1300 Intro to Creative Writing	3 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.
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.

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.
MATS1350	Math for Liberal Arts	4 cr.
PHIL1250	Introduction to Logic	3 cr.
MATS1240	Quantitative Reasoning	4 cr.
MATS1340	Math for Engineering Technology	4 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.
HIST1300	World History	4 cr.
HIST1360	World History to 1500	4 cr.
HIST1361	World History Since 1500	4 cr.
HIST1400	American Environmental History	3 cr.
HIST1450	The History of Minnesota	3 cr.
HIST1600	America, the Civil War, and the 19th Century	3 cr.
PSYC1105	General Psychology	4 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.
SOCY1210	Social Issues in a Changing World	3 cr.
SOCY1250	Juvenile Delinquency	2 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.**

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.
ENGL1401	Short Stories	3 cr.
ENGL1570	The Literature of Nature	2-3 cr.
ENGL1625	Film Studies	4 cr.
ENGL1650	Greek Mythology	4 cr.
ENGL1675	Children's Literature	3 cr.
ENGL1850	Introduction to Graphic Novels	3 cr.
HUMA1100	Introduction to the Humanities	4 cr.
HUMA1125	The Humanities in Modern Minnesota	3 cr.
PHIL1100	Ethics	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.
SPEE1020	Interpersonal Communication	3 cr.
SPEE1030	Intercultural Communication	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.
HIST1360	World History to 1500	4 cr.
HIST1361	World History since 1500	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.
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

ENGL0140	Developing College Writing Skills	4 cr.
ENGL0150	English Writing Essentials	3 cr.
READ0140	Developing College Reading Skills	4 cr.
READ0150	English Reading Essentials	3 cr.

Mathematical/Logic Reasoning

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



DAKOTA COUNTY
TECHNICAL COLLEGE

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