

# Hancock High School

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## Course Descriptions



Hancock Public School  
371 Hancock Ave | HANCOCK, MINNESOTA

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# Hancock High School Graduation Requirements Grades 9-12

24 Credits required to graduate (17.5 credits required, 6.5 elective)

<u><b>Social Studies (4 credits)</b></u> Geography US History World History Government/Economics	<u><b>Language Arts (4 credits)</b></u> 9th Grade 10th Grade 11th Grade 12th Grade
<u><b>Mathematics (3 credits)</b></u> Algebra II (prerequisite Algebra I) Geometry Required Math Elective	<u><b>Science (3 credits)</b></u> 9th Physical Chemistry 10th Grade Biology Required Science Elective
<u><b>Computer (1 credit)</b></u> Computer 9th Grade	<u><b>Art/Music (1 credit)</b></u>
<u><b>PE/Heath (1.5 credits)</b></u> PE 9/Health 9 PE 10	<b>Elective courses (6.5 credits)</b>

\*\*\*\*Note: Students must pass both Semester 1 and Semester 2 of required subjects.

## College in the School (CIS) through partnering Colleges and Universities

Through our partnerships with area colleges and universities, Hancock High School is able to offer 10, 11th and 12th grade students the opportunity to take college level courses here in the high school that are taught by our teachers (dual-enrollment). There are specific requirements set by the partnering schools for each class and students will earn both high school credit and college credit if they pass the class and meet all requirements.

Students interested in a CIS course for college credit must meet the requirements for the class in order to qualify for credit. Requirements are set by the institutions and we have no ability to override their decisions regarding qualifying students for credit.

### AGRICULTURE

Course	Goal Area	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
Intro to Animal Science	Elective/ PossibleMajor	4	1	ANSC1101	003969	UMM-Twin Cities
Intro to Agronomy	Elective/ PossibleMajor	3	1	AGRI1660	005252	Ridgewater College

### ENGLISH & COMMUNICATIONS

Course	Goal Area	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
American Literature: Race, Gender & the American Dream	6 & 7	3	0.75	ENGL1016	004069	UMM-Crookston
Composition I	1	3	0.75	COMP1011	004069	UMM-Crookston
Composition II	1	3	0.75	COMP1013	004069	UMM-Crookston
Interpersonal Communications	1	3	0.75	COMM2002	004069	UMM-Crookson
Interpersonal Communications	1	3	0.75	COMM1435	005544	Alexandria Technical Community College
Intro to Public Speaking (Grade 10)	1	3	0.75	COMM1415	005544	Alexandria Technical Community College
Social Media Communications	1 & 9	3	0.75	COMM1485	005544	Alexandria Technical Community College
Intro to World Literature	6 & 8	3	0.75	ENGL1005	004069	UMM-Crookston
British Literature	6	3	0.75	ENGL1017	004069	UMM-Crookson
Oral Interpretation & Performance Techniques	6	3	0.75	TH2434	004069	UMM-Crookston
Environmental Literature	6 & 10	3	0.75	ENGL1495	005544	Alexandria Technical Community College

## MATHEMATICS

Course	Goal Area	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
College Algebra	4	3	0.75	MATH110	002375	Southwest State MN Univ
College Trigonometry	4	3	0.75	MATH125	002375	Southwest State MN Univ
Pre-Calculus	4	5	1.250	MATH135	002375	Southwest State MN Univ
Intro to Statistics	4	3	0.75	MATH200	002375	Southwest State MN Univ

## CAREER & TECHNICAL EDUCATION

Course	Goal Area	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
Personal Finance	Elective/ Possible Major	3	0.75	BUS1146	005541	MN State Tech & Community College Moorhead
IT-Essentials	Elective/ Possible Major	3	0.75	CPTR1125	005541	MN State Tech & Community College Moorhead
Intro to College Computers	Elective/ Possible Major	3	0.75	ITEC1430	005544	Alexandria Tech & Community College
Spreadsheet Applications	Elective/ Possible Major	3	0.75	ACCT1124	005541	MN State Tech & Community College Detroit Lakes
Principles of Bookkeeping	Elective/ Possible Major	3	0.75	ACCT1012	005541	MN State Tech & Community College Fergus Falls
Business Law	Elective/ Possible Major	3	0.75	BUS2200	005544	Alexandria Tech & Community College

## SCIENCE

Course	Goal Area	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
People & Environment w/Lab	3 & 10	4	1	BIO1430/1431	005544	Alexandria Tech & Community College
Intro to Astronomy w/Lab	3 & 10	4	1	PHYS1003	004069	UMM-Crookson

## SOCIAL STUDIES

Course	Goal Area	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
General Psychology	5	3	0.75	PSYC1445	005544	Alexandria Tech & Community College
Child & Adolescent Development & Learning	5	3	0.75	ED2100	004069	UMM-Crookson
Modern America: History of US from 1865 to present	5	3	0.75	HIST222	002375	Southwest State MN Univ
American History to 1877	5	3	0.75			

## Hancock High School

### Minnesota Transfer Curriculum and Liberal Education Requirements for Bachelor of Science Degrees

(MN Colleges/Universities General Education Requirements \*For Most MN Colleges/Universities\*)

#### 10 Goal Areas

**Goal Area 1:** Written and Oral Communication-9 Credits Minimum (**Currently can earn up to 15 credits**)

**Goal Area 2:** Critical Thinking- **Sometimes this goal is fulfilled automatically when all of the goal areas are completed. However, some institutions require completion of one or more courses in this goal area.**

**Goal Area 3:** Biological and Physical Sciences (with labs)-3 Credits Each Area Minimum (**Currently can earn up to 8 credits**)

**Goal Area 4:** Mathematical Thinking-3 Credits Minimum (**Currently can earn up to 14 credits**)

**Goal Area 5:** History and the Behavioral and Social Sciences-6 Credits Minimum (**Currently can earn up to 12 credits**)

**Goal Area 6:** The Humanities (the arts, literature, and philosophy)-6 Credits Minimum (**Currently can earn up to 15 credits**)

**Goal Area 7:** Human Diversity-One Course Minimum (**Currently can earn up to 9 credits**)

**Goal Area 8:** Global Perspective-One Course Minimum (**Currently can earn up to 3 credits**)

**Goal Area 9:** Ethical and Civic Responsibility-One Course Minimum (**Currently can earn up to 3 credits**)

**Goal Area 10:** People and the Environment-One Course Minimum (**Currently can earn up to 3 credits**)

**Students attending HHS can complete all 10 goal areas prior to attending College.**

**Total College Credits Offered At HHS: 85**

# CIS Courses

## Agriculture courses

### **(CIS) INTRO TO ANIMAL SCIENCE**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 4 credit**

**Assessed: State**

**Course Number: 33**

**State Course Code: 18101**

**Coll Course Code#: ANSC1101**

**College Code: 003969**

**UMM - Twin Cities**

Introduction to animal science with emphasis on fundamental concepts of physiology, nutrition, animal breeding and management as they apply to production systems of livestock and poultry. Instruction will include: the animal industry; parts, breeds, management, selection, marketing, and meat/products (for dairy, beef, sheep, goats & hogs); digestive systems; and genetics. Upon successful completion of the course students will earn 4 credits from the University of MN.

Objectives:

1. To stimulate an interest and appreciation as to how scientific principles are applied to animal agriculture and companion animal care.
2. To give students an appreciation of the global, biological, social, and industry perspectives of animal science.
3. To introduce production systems of livestock and poultry.
4. To give an understanding of the ethical responsibilities that society has to livestock and companion animals.
5. To increase students understanding of how research is conducted to improve the efficiency and sustainability of livestock production.

**PREREQUISITES: GPA 3.0**

### **(CIS) INTRO TO AGRONOMY**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: AGR11660**

**College Code: 005252**

**Ridgewater College**

This course is an introduction to basic agronomy and covers the plant growth and development of monocot and dicot plants. Students will learn the basic plant anatomy and growth stages, methods of plant reproduction and seed production, plant response to weather and other environmental factors.

**PREREQUISITES: GPA 3.0**



## Business courses

### **(CIS) PRINCIPLES OF BOOKKEEPING**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**HS Course: 0.50 credit**

**College**

**Assessed: State**

**Course Number: 94/91**

**State Course Code: 12104**

**Coll Course Code#: ACCT1012**

**College Code: 005541**

**MN State Community & Tech**

This is an introductory college accounting course designed to prepare students for college and career accounting. This course covers the basic accounting cycle for service and merchandising businesses. Topics include the analyses of business transactions, recording transactions in a variety of journals, payroll procedures and preparation of financial reports.

**PREREQUISITE: GPA 3.5**

### **(CIS) PERSONAL FINANCE**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**HS Course: 0.50 credit**

**Assessed: State**

**Course Number: 92**

**State Course Code: 04201**

**Coll Course Code#: BUS1146**

**College Code: 005541**

**MN State Community & Tech**

This course is an introduction to personal financial management and planning. Topics covered include key factors that affect personal income, budgeting, cash-flow management, use of credit and credit cards, planned borrowing, managing taxes and major expenditures including housing, automobiles, insurance and investments.

**PREREQUISITE: GPA 3.25**

### **(CIS) BUSINESS LAW**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**HS Course: 0.50 credit**

**Assessed: State**

**Course Number: 361**

**State Course Code: 12054**

**Coll Course Code#: BUS2200**

**College Code: 005544**

**Alexandria Tech & Community**

This course examines the principles of law related to business, legal institutions in society, business ethics, and business organization structure. Emphasis will be placed on the American legal system as it relates to ethics in a business environment, contracts, product liability, dispute resolution, principal and agent relationships, and business organizational structure.

**PREREQUISITE: GPA 3.5**

# CIS Courses

## Computer courses

### **(CIS) INTRO TO COLLEGE COMPUTERS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**Assessed:** State

**Course Number:** 95

**State Course Code:** 10004

**Coll Course Code#:** ITEC1430

**College Code:** 005544

**Alexandria Tech & Community**

This course introduces the components of a microcomputer, computer terminology, the internet, email, and the creation of documents, presentations, worksheets, and databases through hands-on experience with the Microsoft Windows operating system and the Microsoft Office Suite (Word, PowerPoint, Excel, Access, Outlook). This course is designed as a general education course for all learners, regardless of their career choice. This course enhances the learner's knowledge and understanding of computers and their awareness of how computers impact their lives. Required software: Windows 7 and Microsoft Office Professional 2010.

**Prerequisite:** GPA 3.0

### **(CIS) SPREADSHEET APPLICATIONS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**Assessed:** State

**Course Number:** 93

**State Course Code:** 10004

**Coll Course Code#:** ACCT1124

**College Code:** 005541

**MN State Community & Tech**

This course covers the use of a computerized spreadsheet system for accounting applications. Topics include document creation, storage and retrieval, editing, printing, creating charts, database applications and file distribution.

**PREREQUISITE:** Intro to Computers, GPA 3.5

### **(CIS) IT ESSENTIALS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**HS Course:** 0.50 credit

**Assessed:** State

**Course Number:** 87/76

**State Course Code:** 10254

**Coll Course Code:** CPTR1125

**College Code:** 005541

**MN State Community & Tech**

This course implements the elements of the CISCO program including networking, pc hardware and software troubleshooting and maintenance. In addition, there is an introduction to computer components, laptops and portable devices, wireless connectivity, security and safety, environmental concerns, and diagnostic tools. Students receive a thorough understanding of troubleshooting and become the technology leaders throughout the school. **Academic Standards: Technology-Technical systems**

**PREREQUISITE:** GPA 3.5

# CIS Courses

## English & Communication courses

**(CIS) AMERICAN LITERATURE: RACE,  
GENDER, CLASS & THE AMERICAN DREAM**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 32**

**State Course Code: 01054**

**Coll Course Code#: ENGL1016**

**College Code: 004069**

**UMM - Crookston**

American literature from Puritans to present. Develop informed, personal response. Major concerns of American writers in different eras. Introduction to interpretative skills required for appreciation of literature.

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.

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. Through study in the discipline of American literature, students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.25**

# CIS Courses

## English & Communication courses

### **(CIS) COMPOSITION I**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 36**

**State Course Code: 01103**

**Coll Course Code#: COMP1011**

**College Code: 004069**

**UMM - Crookston**

Process of clear, concrete, and convincing writing; generation and discovery of subjects, revisions, editing.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 224 W11, GPA 3.25**

### **(CIS) COMPOSITION II**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 37**

**State Course Code: 01105**

**Coll Course Code#: COMP1013**

**College Code: 004069**

**UMM - Crookston**

Writing a research paper/s. Formulating/answering a research question. Developing an organizational/argument strategy for topic/audience. Supporting research question/argument with scholarly sources.

**PREREQUISITES: NWEA - meets and exceeds in all areas, NWEA Reading 224 W11, GPA 3.5, COMP I C- or better**

# CIS Courses

## English & Communication courses

### **(CIS) INTERPERSONAL COMMUNICATIONS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 35**

**State Course Code: 01155**

**Coll Course Code#: COMM2002**

**College Code: 004069**

**UMM - Crookston**

This course examines the fundamental concepts and skills of communication used in social as well as career contexts. The areas of perception, listening, verbal/nonverbal communication, climate, and conflict will be addressed.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 225, GPA 3.25 or above, Advanced English 10 C+ or higher, Public Speaking C- or better**

### **(CIS) INTRO TO PUBLIC SPEAKING**

**Grade Level: 10**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 111**

**State Course Code: 01151**

**Coll Course Code#: COMM1415**

**College: 005544**

**Alexandria Technical Comm College**

This course meets Minnesota Transfer Curriculum (MnTC) goal area 1. This course covers the theories, practices, and methods of public speaking, group problem solving, critical listening, and critiquing. The focus in this course is on the concepts of planning and delivering oral presentations and enhancing learner listening skills.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 220 W9, GPA 3.75 or above, Advanced English 10 C+ or higher, and Accuplacer score of 250 or above**

# CIS Courses

## English & Communication courses

### **(CIS) SOCIAL MEDIA COMMUNICATIONS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 112**

**State Course Code: 11004**

**Coll Course Code#: COMM1485**

**College Code: 005544**

**Alexandria Technical College**

This course meets Minnesota Transfer Curriculum (MnTC) goal areas 1 and 9. This course examines the history, rise, and growth of social media in the 21st century. Students will study how social media impacts communication in our social, political, and cultural worlds. Students will develop an understanding of effective and ethical communication practices with a variety of interactive web tools such as Facebook, Twitter, YouTube, Instagram, Snapchat, blogs, and podcasts will be explored.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Language 223, GPA 3.25, Public Speaking C- or better, Interpersonal C- or better**

### **(CIS) INTRODUCTION TO WORLD LITERATURE**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**ENGL1005**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 38**

**State Course Code: 01058**

**Coll Course Code#:**

**College Code: 004069**

**UMM - Crookston**

Major forms of literature from various cultures/historical periods. Developing informed, personal response to literature/interpretive skills required for appreciation of literature.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5**

# CIS Courses

## English & Communication courses

### **(CIS) BRITISH LITERATURE**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**ENGL1017**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 193**

**State Course Code: 01056**

**Coll Course Code#:**

**College Code: 004069**

**UMM - Crookston**

British Literature from classic to present. Develop informed, personal response to literature. Major concerns of British writers in different eras. Interpretative skills required for appreciation of literature.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5**

### **(CIS) ORAL INTERPRETATION PERFORMANCE TECHNIQUES**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 362**

**State Course Code: 05055**

**Coll Course Code#: TH2434**

**College Code: 004069**

**UMM - Crookston**

Analyzing prose, poetry, drama. Preparing material for presentation. Giving stimulating oral readings. Critical appreciation of literature. Use of voice/gesture. Critiquing performances. \*Less intense college setting. Limited writing and focuses more on presentation.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5, Public Speaking C- or better**

# CIS Courses

## English & Communication courses

### **(CIS) ENVIRONMENTAL LITERATURE**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 0.750 credit**

**ENGL1495**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#:**

**College Code: 005544**

**Alexandria Technical College**

Learners will explore the relationship between people and the environment through fiction, non-fiction, and poetry. Learners will examine environmental perceptions and values in American policy related to environmental issues and events. This ecocritical approach to literary texts will allow learners to consider how people's relationship (cultural, political, economic, and historical) with the natural world, especially in contemporary American life, presents in literature and influences discourse about conservation and sustainability of the environment.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5, COMP I C- or better**



# CIS Courses

## Mathematics courses

### **(CIS) COLLEGE ALGEBRA**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**PREREQUISITES: ALGEBRA II**

**Assessed: State**

**Course Number: 125**

**State Course Code: 02109**

**Coll Course Code#: MATH110**

**College Code: 002375**

**Southwest MN State University**

The course includes two college level classes, beginning with College Algebra and concluding with College Trigonometry. College Algebra: a study of the fundamental concepts of algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. Trigonometry: both circular functions and right triangle, trigonometric equations, logarithms, exponential functions, and complex numbers. This course covers Minnesota Academic Standards No. 9.2.1.1 through 9.2.4.8 (Algebra Strand)

**PREREQUISITE: GPA 3.25, NWEA meet/exceed all areas**

### **(CIS) COLLEGE TRIGONOMETRY**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 132**

**State Course Code: 02103**

**Coll Course Code#: MATH125**

**College Code: 002375**

**Southwest MN State**

The course includes two college level classes, beginning with College Algebra and concluding with College Trigonometry. College Algebra: a study of the fundamental concepts of algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. Trigonometry: both circular functions and right triangle, trigonometric equations, logarithms, exponential functions, and complex numbers. This course covers Minnesota Academic Standards No. 9.2.1.1 through 9.2.4.8 (Algebra Strand)

**PREREQUISITES: C- or above in College Algebra, GPA 3.5**

# CIS Courses

## Mathematics courses

### **(CIS) PRE-CALCULUS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 1.250 credit**

**Coll Course Credit: 5 credit**

**Assessed: State**

**Course Number: 129**

**State Course Code: 02110**

**Coll Course Code#: MATH135**

**College Code: 002375**

**Southwest MN State**

A detailed study of the mathematics needed for calculus. Concepts are presented and explored from symbolic, graphical, and numerical perspectives. Basic concepts covered include polynomial, rational, exponential, logarithmic, and trigonometric functions, complex numbers, linear systems, numerical patterns, sequences and series. Students who do not meet the stated requirements may be dropped from the course.

**PREREQUISITES: C- or above in College Algebra, GPA 3.5**

### **(CIS) INTRO TO STATISTICS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 133**

**State Course Code: 02205**

**Coll Course Code#: MATH200**

**College Code: 002375**

**Southwest MN State**

Introduction to measures of central tendency, measures of dispersion, frequency distributions, large and small samples, testing of hypotheses, and correlation analysis. Use of computers in statistical analysis. The required preparation is MATH 110 or three years of high school mathematics.

Goal: 04- Mathematical/Logical Reasoning

**PREREQUISITES: C- or above in College Algebra, GPA 3.5**

# CIS Courses

## Science courses

### **(CIS-ONLINE) PEOPLE & ENVIRONMENT**

**w/LAB**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 4 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: BIO1430/1431**

**College Code: 005544**

**Alexandria Technical College**

When this course is taken with BIOL1431 (Lab), it meets MnTC Goal 3 and 10. This course discusses the major environmental problems challenging life on Earth. The major purpose of the class is to heighten awareness of environmental problems and to employ critical thinking to address possible solutions to these problems. Discussions include land use practices in Douglas County, Minnesota and their impact on the environment. The lab focuses on giving learners an understanding of how environmental issues and problems are studied and sampled in the field. Numerous field trips to different sites in Douglas County (or provided visual images) allow sampling and visual observation of activities affecting the environment.

**PREREQUISITES: GPA 3.5**

### **(CIS-ONLINE) INTRO TO ASTRONOMY w/LAB**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 4 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: PHYS1003**

**College Code: 004069**

**UMM - Crookston**

Human's place in the Universe. Earth, other planets, sun, stars, galaxies. Background/fragility of life on Earth. Scale, origin, history of Universe.

**PREREQUISITES: GPA 3.5**

# CIS Courses

## Social Studies courses

**(CIS) CHILD & ADOLESCENT DEVELOPMENT & LEARNING   Assessed: State**  
**Grade Level: 11-12**  
**1 Semester**  
**Grading Scale: 0.750 credit**  
**Coll Course Credit: 3 credit**  
**Course Number:**  
**State Course Code: 01103**  
**Coll Course Code#: ED2100**  
**College Code: 004069**  
**UMM - Crookston**

Study of principles and major theories of development from birth through adolescence. Age trends, individual/group differences, factors which affect development/learning.

Evidence-based applications.

**PREREQUISITES: GPA 3.5**

**(CIS-ONLINE) GENERAL PSYCHOLOGY                           Assessed: State**  
**Grade Level: 12**  
**1 Semester**  
**Grading Scale: 0.750 credit**  
**Coll Course Credit: 3 credit**  
**Course Number:**  
**State Course Code:**  
**Coll Course Code#: PHYS1003**  
**College Code: 005544**  
**Alexandria Technical College**

This course is a basic introduction to psychology. Topics include its history, research methods, biological factors in behavior, sensation and perception, motivation and emotion, learning, intelligence, personality theories, human development, social behavior, and abnormal psychology. This course exposes learners to the basics of these topics.

**PREREQUISITES: GPA 3.5**

# CIS Courses

## Social Studies courses

### **(CIS) MODERN AMERICA: HISTORY OF THE US FROM 1865 TO PRESENT**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: HIST222**

**College Code: 002375**

**Southwest MN State**

A survey of American civilization with emphasis on the social, economic, and political history of the United States from 1865 to the present. Topics include the Gilded Age, populism, progressivism, isolationism, American involvement in the two World Wars, the Cold War, Vietnam, the civil rights movement and the debate over American exceptionalism.

**PREREQUISITES: GPA 3.5**

### **(CIS) AMERICAN HISTORY TO 1877**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: HIST1201**

**College Code:**

This course provides a discussion of the political, economic, cultural and social factors which have shaped American history. Topics include European exploration and colonization, the American Revolution and Founding period, the rise of democracy and industrialization, sectional conflict, the Civil War and Reconstruction.

**PREREQUISITES: GPA 3.5**

# College Transcript Request Information

**\*\*Check your unofficial transcript to make sure all grades and/or degrees have posted before ordering an official transcript\*\***

<p>Southwest MN State</p>	<p><a href="https://www.smsu.edu/campuslife/registrationrecords/services/transcript-request.html">https://www.smsu.edu/campuslife/registrationrecords/services/transcript-request.html</a></p>
<p>MN State Comm. &amp; Technical College</p>	<p><a href="https://www.parchment.com/u/registration/39111/institution">https://www.parchment.com/u/registration/39111/institution</a></p>
<p>University of Minnesota</p>	<p><a href="https://onestop.umn.edu/academics/transcripts">https://onestop.umn.edu/academics/transcripts</a></p>
<p>Alexandria Tech. &amp; Comm. College</p>	<p><a href="https://www.alextech.edu/college-services/registrar/transcripts">https://www.alextech.edu/college-services/registrar/transcripts</a></p>
<p>Ridgewater College</p>	<p><a href="https://ridgewater.edu/student-services-activities/transcript-requests/">https://ridgewater.edu/student-services-activities/transcript-requests/</a></p>

Updated 9/3/22

# Agriculture courses

## **INTRODUCTION TO AGRICULTURE**

**Grade Level: 7**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: State**

**Course Number: 12**

**State Course Code: 18001**

This course will explore the following topics: What is agriculture? Why is agriculture important? We will explore various topics in Animal Science such as the dairy, horse and swine industry.

Course objectives:

1. Understand the scope of agriculture and the importance of the agricultural industry.
2. Develop an understanding of animals in agriculture (general info. & breeds of dairy, horse and swine.)
3. Explore various career areas available to them in agriculture.

## **EXPLORING AG**

**Grade Level: 8**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 9**

**State Course Code: 18001**

This course explores numerous topics related to the Ag industry such as: small animals, sheep and poultry. We will cover basics of crop plants and their role in the Ag industry. Students will also develop an Ag science project for the local science fair. Students will be introduced to the ag shop and common safety practices while in the shop. This course will also focus on developing basic leadership and communication skills. FFA participation will be encouraged.

Course Objectives:

1. Understand the scope of Agriculture and the importance of the agricultural industry.
2. Develop and understanding of plants and crops and the role they play in the agricultural industry.
3. Develop and understanding of animals in agriculture with a focus on small animals, sheep and poultry.
4. Develop basic shop safety practices.
5. Conduct an Ag science fair project for the local science fair.
6. Develop basic leadership skills.

# Agriculture courses

## **INTRO AG FOODS AND NATURAL RESOURCES**

**Grade Level: 9**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 20**

**State Course Code: 18001**

This course will introduce students to a variety of agricultural concepts. These will include the following: Careers in agriculture, FFA, Leadership, Parliamentary Procedure, natural resources, animal science (Beef, goats and rabbits), basic shop safety and basic welding.

Course Objectives:

1. Understand the wide field of agriculture and career opportunities available.
2. Understand the objectives of the FFA and all it has to offer.
3. To realize the importance of Leadership Skills in everyday life.
4. To be introduced to the Shop with Safety Concepts.
5. Develop basic welding skills.

## **HORTICULTURE/LANDSCAPING**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 15**

**Course Code: 18052**

This class will explore the world of horticulture and plant science. Applied concepts in the horticulture industry will be presented. Topics that will be explored in horticulture include: importance of the horticulture industry, careers, plant needs and functions, plant processes, propagation, hydroponics, annuals/perennials, flower beds, seeds & germination, types of plants, pruning concepts, arranging flowers, making corsages, and other horticulture issues. Topics that will be explored will include types of plants and trees in the landscape, elements of design, landscaping concepts, drawing landscape plans, computer landscape designs, actual landscaping, and pruning concepts.

Course Objectives:

1. Develop an understanding of the horticulture and landscaping industry.
2. Develop understanding of plant needs, structures, functions, and processes.
3. To develop an understanding of plants used in flower beds and landscapes.
4. To design flower gardens and various landscapes based on design elements.
5. To design flower arrangements and make corsages based on the elements of design.
6. Gain hands-on experience with plants and flowers.
7. To develop an understanding of the design concepts and elements.
8. To design various pencil and computerized landscapes based on client needs and project guidelines.



# Agriculture courses

## **PLANT SCIENCE**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.2 credit**

**Assessed: Local**

**Course Number: 26**

**Course Code:**

Plant Science is intended to be an introductory course to plant science and the many segments involved, from agronomy to greenhouse to horticulture. Basic plant science concepts students will study in this course include plant parts, growth, reproduction and health. Students will learn hands-on about factors that influence plant growth such as light, media, fertilizers and water as they relate to basic plant and soil science. The question that drives the content for the class is this: how do I provide the ideal environment for plant growth? Other units of study may include landscaping, floral design, fruits and vegetables and hydroponics.

## **(CIS) INTRO TO ANIMAL SCIENCE**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 4 credit**

**Assessed: State**

**Course Number: 33**

**State Course Code: 18101**

**Coll Course Code#: ANSC1101**

**College Code: 003969**

**UMM - Twin Cities**

Introduction to animal science with emphasis on fundamental concepts of physiology, nutrition, animal breeding and management as they apply to production systems of livestock and poultry. Instruction will include: the animal industry; parts, breeds, management, selection, marketing, and meat/products (for dairy, beef, sheep, goats & hogs); digestive systems; and genetics. Upon successful completion of the course students will earn 4 credits from the University of MN.

Objectives:

1. To stimulate an interest and appreciation as to how scientific principles are applied to animal agriculture and companion animal care.
2. To give students an appreciation of the global, biological, social, and industry perspectives of animal science.
3. To introduce production systems of livestock and poultry.
4. To give an understanding of the ethical responsibilities that society has to livestock and companion animals.
5. To increase students understanding of how research is conducted to improve the efficiency and sustainability of livestock production.

**PREREQUISITES: GPA 3.0**

# Agriculture courses

## **AGRICULTURAL LEADERSHIP, COMMUNICATION AND EMPLOYABILITY (ACE)**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 18**

**State Course Code: 18991**

Students will be exposed to building leadership skills. Perfect for students who are interested in using their leadership skills in the future to influence, manage, and motivate others. Find your inner leader and know what do with it! Agricultural Communications will be covered as students prepare a communications plan for a large event (radio, newspaper, press release, photo stories). Students will learn how to properly do resumes, cover letters, and prepare for an interview. Students will learn about the workability skills that employers expect! Learn how to build them and use them in ways that will maximize your potential and profit throughout your life! Community Service Projects will also be completed as a class throughout the semester.

**\* Students must take this class before or during your enrollment in AgriScience Career Experience**

Objectives:

1. Students will develop a skill set to enable them to become successful in the world of work. Some of these “soft” skills include:
  - Developing a quality resume, cover letter
  - Developing job interviewing skills
  - Develop an understanding of what employers expectations are
  - Understand and develop a good work ethic.
  - Understand the importance of conducting community service projects and how they impact communities.

## **LANDSCAPE DESIGN**

**Grade Level: 9-12**

**1 Semester**

**Grading Scale: 0.3 credit**

**Assessed: Local**

**Course Number:**

**Course Code:**

In this class, you'll get to know common Minnesota landscaping plants, create designs and learn to build hardscapes like retaining walls and patios. This course will explore the process of creating landscape plans and carrying them through to completion, so we'll cover how to source and handle materials, install them safely and manage all aspects of a landscaping project. Hands-on (and - ahem - outdoor) learning will be an important part of this class.

## Agriculture courses

### **WOODS, WATER, WILDLIFE, CANOES & KAYAKS**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 14**

**State Course Code: 18504**

Interested in wildlife? Want to learn how to canoe and kayak? This course is for you! Students will study wildlife, including small and large mammals, upland game birds, and waterfowl. The hunting controversy and endangered species will also be studied. We will also learn skills in canoeing, kayaking and outdoor cooking! All students will have the option to gain fishing rod building skills as they each build their own custom rod. Students will also cover natural resources in this course as they learn about soils testing, water quality and management, forestry, and more!

**FEE: There is a fee for building a fishing rod and woods project. Cost is from \$10-60 (depending on rod student chooses)**

Objectives:

1. Students will develop an appreciation for the abundant wildlife we have in western MN and the role it plays in our economy.
2. Students will develop an understanding of hunter ethics and hunter stages
3. Students will learn about various anti hunting organizations and their concerns.
4. Develop basic fishing rod building skills.
5. Develop a model of a parcel of land to maximize wildlife habitat. Which will include habitat development, wildlife specie requirements and an understanding of how wildlife adapts to human interventions.
6. Students will develop skills in canoeing, kayaking and outdoor cooking.

### **BIOTECH SCIENCE**

**Grade Level: 10-12**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 210**

**State Course Code: 18308**

This advanced course provides students experiences in industry-appropriate applications of biotechnology related to plant and animal agriculture. They will learn the history and its role in assisting modern agriculture feed the growing world population. Students will receive a comprehensive introduction to foundational concepts and research techniques in the biotechnology industry. Skills and topics taught include micropipetting, electrophoresis, genetic engineering, polymerase chain reaction and ethics and current issues.

## Agriculture courses

### **AGRISCIENCE CAREERS EXPERIENCE/OJT**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**PREREQUISITE: Ag Leadership, Communications and Employability**

**Assessed: Local**

**Course Number: 19**

**State Course Code: 18998**

This course offers students a hands-on look at a particular industry that interests them. After finding a job in the local area, students will be enrolled for 1-2 hours of On the Job Training. Jobs must be secured by the beginning of the school year. Self-employment is an option for some students, depending on the work involved. This must be discussed with the instructor before school starts. Students will be required to fill out weekly hour sheets to be turned in to the instructor. Most employers will prefer students who are available to work after school hours as well.

**\* Can be taken at the same time as ACE**

### **FOOD CHEMISTRY**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit (science credit)**

**Assessed: Local**

**Course Number: 21**

**State Course Code: 18999**

This course is for students interested in learning about the relationships between food, science, chemistry and nutrition. In this course, students will explore characteristics of food components through hand-on activities and experiments. Students will learn about food preservation, packaging, and how to safely handle food. Students will be able to see how important it is to have an understanding of basic chemistry and how it affects foods when cooking or baking. This course will also cover the development of new food products and allow students to develop their own new food product.

### **(CIS) INTRO TO AGRONOMY**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: AGR11660**

**College Code: 005252**

**Ridgewater College**

This course is an introduction to basic agronomy and covers the plant growth and development of monocot and dicot plants. Students will learn the basic plant anatomy and growth stages, methods of plant reproduction and seed production, plant response to weather and other environmental factors.

**PREREQUISITES: GPA 3.0**

## Agriculture courses

### **FARM MANAGEMENT**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number:**

**State Course Code:**

The farm management class is designed to provide students with a better understanding of agricultural operations and decision making to maximize profit and reduce losses. Students learn about record keeping, marketing, credit, insurance and costs associated with agricultural production.

## Band courses

### **JUNIOR HIGH BAND**

**Grade Level: 7-8**

**1 year – T/TH/F**

**Grading Scale: 0.6 credit**

**Assessed: Local**

**Course Number: 141**

**State Course Code: 05101**

This is an elective course for Grades 6-8. The course centers around developing students' ability to play their given instrument, their knowledge of music history and theory, and their overall musicianship. This course allows students to participate in a music program which focuses on artistic foundations, artistic processes create/make, perform/present, artistic response/critique, which refer to Minnesota and National standards. Required work includes weekly lessons and practice logs, rhythm worksheets, and participation in three (3) concerts throughout the school year. Additional performance opportunities are offered for Pep Band during the school year and Marching Band in the summer. Students are also encouraged to take summer lessons.

### **SENIOR HIGH BAND**

**Grade Level: 9-12**

**1 year – T/TH/F**

**Grading Scale: .6 credit**

**Assessed: Local**

**Course Number: 143**

**State Course Code: 05101**

This is an elective course for students grades 9-12. The course is a continuation from and extension of the learning that takes place in junior high band and centers around developing students' ability to play their given instrument, their knowledge of music history and theory, and their overall musicianship. This course allows students to participate in a music program which focuses on artistic foundations, artistic processes create/make, perform/present, respond/critique, which refer to Minnesota and National standards. Required work includes three (3) concerts, Large Group Contest, attendance at all Pep Band events, including the Cake Walk. Students are also required to participate in Solo/Ensemble Contest at least once in either band or choir during their four (4) years of high school. Additional performance opportunities are available through Marching Band in the summer. Students are encouraged to take summer lessons.

## Business courses

### **ACCOUNTING I**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 82**

**State Course Code: 12104**

Accounting I provides students with the basic knowledge of accounting procedures, including analyzing and journalizing business transactions; constructing worksheets; calculating and recording adjusting entries; preparing financial statements; and finalizing the accounting cycle through closing entries. Special journals, subsidiary accounts and payroll reports and taxes will also be introduced. Emphasis is placed on service and merchandising businesses in a sole proprietorship or corporate setting. All students, regardless of the career they choose, can benefit from accounting instruction in their own personal business affairs. This course is highly recommended for students in grades 10 through 12, who are considering any business major at the collegiate level.

**Academic Standards: Business Management Financial Systems**

### **ACCOUNTING II (IS)**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 96**

**State Course Code: 12104**

**Independent Study**

Accounting II is the second semester of accounting instruction. The focus of Accounting II is to prepare the accounting forms for a merchandising business organized as a corporation using an automated accounting system. The formation and dissolution of different forms of business organizations will also be covered.

**Academic Standards: Business Management Financial Systems**

### **(CIS) PRINCIPLES OF BOOKKEEPING**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**HS Course: 0.50 credit**

**Assessed: State**

**Course Number: 94/91**

**State Course Code: 12104**

**Coll Course Code#: ACCT1012**

**College Code: 005541**

**MN State Community & Tech College**

This is an introductory college accounting course designed to prepare students for college and career accounting. This course covers the basic accounting cycle for service and merchandising businesses. Topics include the analyses of business transactions, recording transactions in a variety of journals, payroll procedures and preparation of financial reports. Prerequisite: 3 Credits

**PREREQUISITE: GPA 3.5**

## Business courses

### **(CIS) PERSONAL FINANCE**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**HS Course: 0.50 credit**

**Assessed: State**

**Course Number: 92**

**State Course Code: 04201**

**Coll Course Code#: BUS1146**

**College Code: 005541**

**MN State Community & Tech College**

This course is an introduction to personal financial management and planning. Topics covered include key factors that affect personal income, budgeting, cash-flow management, use of credit and credit cards, planned borrowing, managing taxes and major expenditures including housing, automobiles, insurance and investments.

**PREREQUISITE: GPA 3.5**

### **GENERAL BUSINESS**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 51**

**State Course Code: 12051**

Financial literacy is critical for students as they progress through their lives. The importance of being financially literate is crucial to success and stability. In this course students will learn to manage money to build wealth, in order to financially attain the lifestyle they desire. Students will attain the knowledge and skills necessary to navigate the financial services industry and begin the financial planning process. Topics include: earning and managing money, completing tax returns, budgeting, strategies of saving and investing, online banking, how to use credit, major purchasing decisions, and ways to protect against risk and financial loss. The Stock Market Game will also be played.

**Academic Standards: Business Management Financial Systems**



## Business courses

### **BUSINESS MANAGEMENT**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 340**

**State Course Code: 12052**

Courses explore management opportunities and human relations. They develop skills in the planning, staffing, financing, and controlling functions within a business and may explore the macro level of the business world, including business structure; finance; and interconnections among industry, government and the global economy. Emphasis is on problem based, real world applications of business concepts and use of accounting concepts to formulate, analyze, and evaluate business decisions and may include business simulations. This classification includes school or model stores.

### **(CIS) BUSINESS LAW**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**HS Course: 0.50 credit**

**Assessed: State**

**Course Number: 361**

**State Course Code: 12054**

**Coll Course Code#: BUS2200**

**College Code: 005544**

**Alexandria Tech & Community College**

This course examines the principles of law related to business, legal institutions in society, business ethics, and business organization structure. Emphasis will be placed on the American legal system as it relates to ethics in a business environment, contracts, product liability, dispute resolution, principal and agent relationships, and business organizational structure.

**PREREQUISITE: GPA 3.5**

## Computer courses

### **7<sup>th</sup> GRADE COMPUTERS**

**Grade Level: 7 - REQUIRED**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 83**

**State Course Code:**

This course places emphasis on the use of computer applications: Touch typing, word processing, spreadsheets, and multimedia presentations are assigned. Assignments and projects will be completed using Microsoft Office and Google. Student hands-on multimedia presentation strategies and techniques will be performed using Microsoft PowerPoint and Google Slides. Students will be using proper keyboarding skills to enter and manipulate text, graphics, and data. They will also develop skills in file management (creating new folders, saving, deleting, etc.), Internet research strategies, and all of Google Classroom software. **Academic Standards: Technology**

### **8<sup>th</sup> GRADE COMPUTERS**

**Grade Level: 8 - REQUIRED**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 84**

**State Course Code**

This course places emphasis on the use of computer applications and continues from where 7th Grade Computers left off: Word processing, spreadsheets, desktop publishing, and multimedia presentations are presented. In Microsoft Excel, we will be learning cells, formulas, functions and charts. In Microsoft Publisher, students will be using desktop publishing software to design brochures, business cards, greeting cards, and flyers. Student hands-on multimedia presentation strategies and techniques will be performed using Microsoft PowerPoint. Students will be using proper keyboarding skills to enter and manipulate text, graphics, and data. They will also continue skills in file management (creating new folders, saving, deleting, etc.), Internet research strategies, and the many uses of the Google Classroom. **Academic Standards: Technology**

### **9<sup>th</sup> GRADE COMPUTERS**

**Grade Level: 9 - REQUIRED**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 77**

**State Course Code: 10004**

This advanced course will expand upon computer basics learned in Microsoft Office Computer Applications and Keyboarding. Students will increase their working knowledge of Word, Excel, PowerPoint, Access, and Publisher using Microsoft Office 2013 and the entire Google Classroom. Students in grade nine will learn the basics of beginning web design using html and the notepad. Students will become proficient in the use of the computer and the preparation and proper formatting such as letters, envelopes, and resumes in Microsoft Word. In Microsoft Excel, we will be learning cells, formulas, functions and charts. Specialized applications include the Internet, desktop publishing, multimedia presentation software, and Windows Movie Maker 2.6 will be used. We will use digital cameras along with graphic, video, and audio files. There are no structured keyboarding lessons (timings, proper keyboarding practice, etc.) in this course. **Academic Standards: Technology**

## Computer courses

### **(CIS) INTRO TO COLLEGE COMPUTERS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**Assessed:** State

**Course Number:** 95

**State Course Code:** 10004

**Coll Course Code#:** ITEC1430

**College Code:** 005544

**Alexandria Tech & Community Coll**

This course introduces the components of a microcomputer, computer terminology, the internet, email, and the creation of documents, presentations, worksheets, and databases through hands-on experience with the Microsoft Windows operating system and the Microsoft Office Suite (Word, PowerPoint, Excel, Access, Outlook). This course is designed as a general education course for all learners, regardless of their career choice. This course enhances the learner's knowledge and understanding of computers and their awareness of how computers impact their lives. Required software: Windows 7 and Microsoft Office Professional 2010.

**Prerequisite:** GPA 3.0

### **(CIS) SPREADSHEET APPLICATIONS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**Assessed:** State

**Course Number:** 93

**State Course Code:** 10004

**Coll Course Code#:** ACCT1124

**College Code:** 005541

**MN State Community & Tech College**

This course covers the use of a computerized spreadsheet system for accounting applications. Topics include document creation, storage and retrieval, editing, printing, creating charts, database applications and file distribution. Prerequisite: Intro to Computers

**PREREQUISITE:** Intro to Computers, GPA 3.5

### **(CIS) IT ESSENTIALS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**HS Course:** 0.50 credit

**Assessed:** State

**Course Number:** 87/76

**State Course Code:** 10254

**Coll Course Code:** CPTR1125

**College Code:** 005541

**MN State Community & Tech College**

This course implements the elements of the CISCO program including networking, pc hardware and software troubleshooting and maintenance. In addition, there is an introduction to computer components, laptops and portable devices, wireless connectivity, security and safety, environmental concerns, and diagnostic tools. Students receive a thorough understanding of troubleshooting and become the technology leaders throughout the school.

**Academic Standards:** *Technology-Technical systems*

**PREREQUISITE:** Intro to Computers, GPA 3.5

## English & Communication courses

### **ENGLISH 7 - REQUIRED**

**Grade Level: 7**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 100**

**State Course Code: 01035**

English 7 focuses on preparing students for success in high school. Students will learn, review, and improve reading strategies. English 7 focuses on the conventions of language - grammar, spelling and punctuation as well as literature study.

In literature, students will read from short stories: fiction, non-fiction, and historical fiction. The American author L. Frank Baum will be the featured author for an author study. *The Wonderful Wizard of Oz* and *The True Confessions of Charlotte Doyle* will be two of the novels students will read as a class.

Students will study, write and share writings, essays, and visual art with the class to improve on public speaking skills and group work skills. Students will learn the five paragraph essay format and how to form and work with a thesis statement. There will also be an emphasis on self and peer editing of their work.

Students will study grammar conventions and students will practice the conventions of language through weekly vocabulary words. Spelling practice will be based on novels & vocabulary terms we use in class.

### **ENGLISH 8 - REQUIRED**

**Grade Level: 8**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 101**

**State Course Code: 01036**

English 8 focuses on reviewing and improving reading strategies. English 8 focuses on the conventions of language - grammar, spelling and punctuation as well as literature.

In literature, students will read from short stories: fiction, non-fiction, drama and historical fiction. A brief overview of the Holocaust will be the featured before reading Anne Frank's story presented in drama form. *Roll of Thunder, Hear my Cry* will be the novel students will read and study as a class.

Students will study media forms of *Anne Frank*, *Roll of Thunder, Hear my Cry*, and the short story "Monkey's Paw." Students will study, write and share writings. Students will continue to work with the five paragraph essay format and how to form and work with a thesis statement. There will also be an emphasis on peer & self editing.

Students will read their written works to the class to improve on public speaking skills.

Students will study grammar conventions and practice the conventions of language through weekly vocabulary words.

Students will work on researching for the Agriscience Report in class. Students will Spelling practice will be based on novels we read in class and from our vocabulary words.

## English & Communication courses

### **ENGLISH 9 - REQUIRED**

**Grade Level: 9**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 102**

**State Course Code: 01001**

English 9 focuses on students continuing to work on learning to read, write and speak for a variety of purposes. They will study fiction, non-fiction, detective, and survival literature. They will study American Author Maya Angelou. Class novels they will read are *The Outsiders* and William Shakespeare's play *The Tragedy of Romeo and Juliet*. Students will study Shakespeare, the Globe, and his sonnets as well as poetry and the conventions of poetry. Grammar and conventions will be reviewed and used. Students will also learn how to avoid plagiarism and use parenthetical documentation for all written works. Students will work in conjunction with what they learn in health class about drugs to look up information and then write a first person narrative. There will also be an emphasis on peer and self editing. Students will read their written works to the class to improve on public speaking skills. Students will practice the conventions of language through weekly vocabulary words.

### **ENGLISH 10**

**Grade Level: 10**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 103**

**State Course Code: 10002**

English 10 is a survey course in American literature. Students will study the works of writers who have helped shape our ideas of what it means to be an American. Students will study Native American literature. Some of the authors to be studied include Benjamin Franklin, Harper Lee, and Mark Twain. Students will gain cultural literacy through both reading and viewing important works. As a class, students will read and study *The Adventures of Tom Sawyer* and *To Kill a Mockingbird*. The students will also have a poetry unit and extensively study Emily Dickinson. Students will write essays in response to readings and creative pieces. There will also be an emphasis on peer and self editing. Students will utilize parenthetical documentation in written essays. Students will also practice the conventions of language through weekly vocabulary words. Students will read their written works to the class to improve on public speaking skills and work as groups or with partners frequently.

### **ADVANCED ENGLISH 10**

**Grade Level: 10**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: State**

**Course Number: 103**

**State Course Code: 10002**

Advanced English 9 will focus on American Literature and on writing creative and scholarly papers. Students will learn how to create a proper outline and how to parenthetically cite information using MLA style. There will be an emphasis on grammar application and usage.

**PREREQUISITE: NWEA - meets or exceeds in all areas, GPA 3.75 or above and Accuplacer score of 250 or above**

# English & Communication courses

## **ENGLISH 11**

**Grade Level: 11**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 135**

**State Course Code: 01003**

English 11 is a course intended to increase student understanding of the relationship between historical Europe and the writing of that time, to improve reading comprehension of both fiction and non-fiction texts through the use of reading strategies; and to improve student's ability to think critically about the information they receive.

Some of the literature that students will be exposed to include *Beowulf*, *The Iliad*, *Gulliver's Travels* and the *Canterbury Tales*. Novels/play the class will read are *The Christmas Carol*, *The Tragedy of Macbeth*, and *In the Mouth of the Wolf*.

Students will study the Renaissance, Shakespeare, and the Holocaust. There will also be an emphasis on peer and self editing. Students will utilize parenthetical documentation in all written essays. Students will read their written works to the class to improve on public speaking skills.

Students will practice the conventions of writing through weekly vocabulary words.

## **ENGLISH 12**

**Grade Level: 12**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 135**

**State Course Code: 01003**

English 12 is focused on making students more well-rounded writers, readers, and critical members of society. Students will learn how to write resumes, applications, and fulfill scholarship requirements. There will also be an emphasis on peer and self editing. Students will write many different types of essays, a newspaper article, and will learn interviewing techniques. Students will read and present their works to the class to improve public speaking skills. Students will conclude their year by writing a research paper. Students will create and present a powerpoint presentation and deliver their presentation to the class.

Students will analyze advertising (identify pathos, logos, and ethos) and create their own advertisement as well as understand how media shapes the culture in which they live. Students will practice the conventions of writing through grammar and weekly vocabulary terms.

## English & Communication courses

### **(CIS) AMERICAN LITERATURE: RACE, GENDER, CLASS & THE AMERICAN DREAM**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 32**

**State Course Code: 01054**

**Coll Course Code#: ENGL1016**

**College Code: 004069**

**UMM - Crookston**

American literature from Puritans to present. Develop informed, personal response. Major concerns of American writers in different eras. Introduction to interpretative skills required for appreciation of literature.

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.

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. Through study in the discipline of American literature, students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.25**

### **(CIS) BRITISH LITERATURE**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 193**

**State Course Code: 01056**

**Coll Course Code#: ENGL1017**

**College Code: 004069**

**UMM - Crookston**

British Literature from classic to present. Develop informed, personal response to literature. Major concerns of British writers in different eras. Interpretative skills required for appreciation of literature.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5**

## English & Communication courses

### **(CIS) COMPOSITION I**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 36**

**State Course Code: 01103**

**Coll Course Code#: COMP1011**

**College Code: 004069**

**UMM - Crookston**

Process of clear, concrete, and convincing writing; generation and discovery of subjects, revisions, editing.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 224 W11, GPA 3.25**

### **(CIS) COMPOSITION II**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 37**

**State Course Code: 01105**

**Coll Course Code#: COMP1013**

**College Code: 004069**

**UMM - Crookston**

Writing a research paper/s. Formulating/answering a research question. Developing an organizational/argument strategy for topic/audience. Supporting research question/argument with scholarly sources.

**PREREQUISITES: NWEA - meets and exceeds in all areas, NWEA Reading 224 W11, GPA 3.5, COMP I C- or better**

### **(CIS) INTRO TO PUBLIC SPEAKING**

**Grade Level: 10**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 111**

**State Course Code: 01151**

**Coll Course Code#: COMM1415**

**College: 005544**

**Alexandria Technical Comm College**

This course meets Minnesota Transfer Curriculum (MnTC) goal area 1. This course covers the theories, practices, and methods of public speaking, group problem solving, critical listening, and critiquing. The focus in this course is on the concepts of planning and delivering oral presentations and enhancing learner listening skills.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 220 W9, GPA 3.75 or above, Advanced English 10 C+ or higher, and Accuplacer score of 250 or above**



## English & Communication courses

### **(CIS) INTERPERSONAL COMMUNICATIONS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 35**

**State Course Code: 01155**

**Coll Course Code#: COMM2002**

**College Code: 004069**

**UMM - Crookston**

This course examines the fundamental concepts and skills of communication used in social as well as career contexts. The areas of perception, listening, verbal/nonverbal communication, climate, and conflict will be addressed.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 225, GPA 3.25 or above, Advanced English 10 C+ or higher, Public Speaking C- or better**

### **(CIS) SOCIAL MEDIA COMMUNICATIONS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 112**

**State Course Code: 11004**

**Coll Course Code#: COMM1485**

**College Code: 005544**

**Alexandria Technical College**

This course meets Minnesota Transfer Curriculum (MnTC) goal areas 1 and 9. This course examines the history, rise, and growth of social media in the 21st century. Students will study how social media impacts communication in our social, political, and cultural worlds. Students will develop an understanding of effective and ethical communication practices with a variety of interactive web tools such as Facebook, Twitter, YouTube, Instagram, Snapchat, blogs, and podcasts will be explored.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Language 223, GPA 3.25, Public Speaking C- or better, Interpersonal C- or better**

### **(CIS) INTRODUCTION TO WORLD LITERATURE**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 38**

**State Course Code: 01058**

**Coll Course Code#: ENGL1005**

**College Code: 004069**

**UMM - Crookston**

Major forms of literature from various cultures/historical periods. Developing informed, personal response to literature/interpretive skills required for appreciation of literature.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5**

## English & Communication courses

### **(CIS) ORAL INTERPRETATION PERFORMANCE TECHNIQUES**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number: 362**

**State Course Code: 05055**

**Coll Course Code#: TH2434**

**College Code: 004069**

**UMM - Crookston**

Analyzing prose, poetry, drama. Preparing material for presentation. Giving stimulating oral readings. Critical appreciation of literature. Use of voice/gesture. Critiquing performances. Less intense college setting. Limited writing and focuses more on presentation.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5, Public Speaking C- or better**

### **(CIS) ENVIRONMENTAL LITERATURE**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: ENGL1495**

**College Code: 005544**

**Alexandria Technical College**

Learners will explore the relationship between people and the environment through fiction, non-fiction, and poetry. Learners will examine environmental perceptions and values in American policy related to environmental issues and events. This ecocritical approach to literary texts will allow learners to consider how people's relationship (cultural, political, economic, and historical) with the natural world, especially in contemporary American life, presents in literature and influences discourse about conservation and sustainability of the environment.

**PREREQUISITE: NWEA - meets and exceeds in all areas, NWEA Reading 223 W10, NWEA Reading 224 W11, GPA 3.5, COMP I C- or better**

# Health & Physical Education courses

## **HEALTH**

**Grade Level: 9**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 155**

**State Course Code: 08051**

Students will be able to demonstrate lifelong health enhancing choices in their everyday lives. This class will cover the following topics: Nutrition, Alcohol, tobacco, and other drugs, Growth and Development, Health skills, as well as Lifelong Physical Fitness. The students will be evaluated through textbook work, worksheets, quizzes, and class discussions. Students will do research on specific drugs and their effect on personal health and give a group presentation on their research. Students will also learn to track their meals to calculate calories by using the MyPlate website. Students will also research the positive effects of physical fitness and how they can easily add physical fitness into their lives. They will gain knowledge of the various activities they can do to improve their health and physical fitness.

## **7<sup>th</sup> GRADE PHYSICAL EDUCATION - REQUIRED**

**Grade Level: 7**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 151**

**State Course Code: 08037**

Students will develop a better understanding of themselves through team activities. Students will adapt and combine skills to meet the demands of increasingly complex situations of selected movement forms. Students will participate in many different activities such as Basketball, Volleyball, Spikeball, Lacrosse, Floor Hockey, Soccer and Ultimate Frisbee. Students will be learning self-control and sportsmanship throughout the semester. Students will also gain basic knowledge to physical fitness and workout routines. These students will be given a workout program to follow for the semester for the workout Wednesdays scheduled every other week. Students will ultimately get a better understanding of teamwork, team building skills, as well as individual fitness.

## **8<sup>th</sup> GRADE PHYSICAL EDUCATION - REQUIRED**

**Grade Level: 8**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 152**

**State Course Code: 08038**

Students in this class will get an emphasis on individual skill development and how to utilize their individual skills. Students will learn to do activities such as badminton, pickleball, and eclipse ball. They will also learn to introduce their individual skills into team games such as basketball, floor hockey and soccer. Students will also learn ways to improve their physical fitness through lightweight physical fitness workouts. Students will get a variety of workout options and get to choose some of their own. The class will overall give the students a better understanding of their individual skills and sports as well as fitness activities they can play individually throughout their lifetime.

# Health & Physical Education courses

## **9<sup>th</sup> GRADE PHYSICAL EDUCATION - REQUIRED**

**Grade Level: 9**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 153**

**State Course Code: 08001**

9th Grade PE involves participation in physical fitness activities and exposure to a variety of sport and lifetime-recreational activities.

### Learner Outcomes

- Demonstrate competency in an activity specific skill.
- Follow and complete a workout program to further fitness knowledge.
- Monitor progress toward personal goals.
- Evaluate personal practices and behaviors that reduce or prevent physical inactivity.
- Exhibit proper etiquette, respect for others and teamwork.
- Recognize the value of physical activity and make it a part of their lives

## **SPORTS & FITNESS**

**Grade Level: 9/10**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 198**

**State Course Code: 08001**

Sports and Fitness involves participation in physical fitness activities and exposure to a variety of sport and lifetime-recreational activities.

### Learner Outcomes

- Demonstrate competency in an activity specific skill.
- Follow and complete a workout program to further fitness knowledge.
- Monitor progress toward personal goals.
- Evaluate personal practices and behaviors that reduce or prevent physical inactivity.
- Exhibit proper etiquette, respect for others and teamwork.
- Recognize the value of physical activity and make it a part of their lives

# Health & Physical Education courses

## **TOTAL BODY WELLNESS/PE & WELLNESS**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 206**

**State Course Code: 08001**

Total Body Wellness focuses on enhancing cardiovascular fitness, improving core strength, toning muscles, improving flexibility, understanding and practicing personal nutritional needs, and caring for one's social and emotional wellness. Activities may include mindfulness, yoga, walking for fitness, pilates, movements for muscular development, studying nutritional and caloric needs, and team building activities. Students will design a fitness program including all components of health-related fitness.

Learner Outcomes:

- Understand the basics of health-related fitness.
- Create goals for improving and maintaining health.
- Examine barriers to making a decision to stay physically active.
- Analyze and compare the health benefits of a self-selected physical activity.
- Understand why body wellness is important for now and for the future.

## **TEAM SPORTS/LIFETIME SPORTS**

**Grade Level: 11/12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 236**

**State Course Code: 08002**

Team Sports involves participation in activities including: Flag Football, Basketball, Volleyball, Softball, Soccer, Hockey, Team handball, and other activities based on the needs and interest of the class. Skill development, strategy, and rules will be emphasized. Teamwork and team building will be taught to help them develop those skills for future use. Students will have the opportunity to participate in recreational team competitions.

Learner Outcomes

- Demonstrate competency in movement and motor skills.
- Demonstrate competency in activities that improve strength, endurance, and flexibility.
- Apply appropriate tactics and strategies in various activities.
- Exhibit proper etiquette, respect for others and teamwork while engaging in physical activity.
- Use communication skills and strategies that promote team/group dynamics.

## Industrial Technical Education courses

### **INDUSTRIAL TECH**

**Grade Level: 7**

**1 quarter**

**Grading Scale: .250 credit**

**Assessed: Local**

**Course Number: 28**

**State Course Code: 13003**

This course is an introduction to the STEM and the Industrial Technology department. This class will focus tool identification safety, measuring, drawing, sketching and problem solving.

### **INDUSTRIAL TECH**

**Grade Level: 8-9**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 8th 228/9th 229**

**State Course Code: 13003**

This course is an introduction to the Industrial Technology program and designed to touch base on many of the different disciplines of Industrial technology. This course will include Computer Aided Design Drafting, Woodworking, Metal Working, and also Communication technologies. Students will work with groups on multiple projects and will have to opportunity to build a small woods project as well complete some design challenges. This class will use Science, Technology, Math, and Engineering to complete projects and assignments. It is a great way for students to see how all of these areas are tied to each other.

### **ROBOTICS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 34**

**State Course Code: 21009**

In this class students will develop and expand skills and knowledge so that they can design and develop robotic devices. Topics may include mechanics, electrical and motor controls, pneumatics, computer basics and programmable logic controllers.

# Industrial Technical Education courses

## **INTRODUCTION TO WELDING**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 8**

**State Course Code: 18404**

Are you interested in working with metal? There are great opportunities for welders locally and all around the country. Get started in this course learning about Shielded Metal Arc Welding, Gas Metal Arc Welding, Oxy-Fuel/Torch, and basic metal working techniques. Weld lap welds, corner welds, around pipe and tubing in flat vertical and overhead positions. The class will focus on a safe shop and getting students prepared for Advanced Welding. This class is hands on and fun! This course is for students interested in learning an awesome trade with a tremendous future!

**Fee: Students will be required to purchase a pair of safety glasses and metal for their individual small project.**

Objectives:

1. Students will develop a basic understanding of the various types of welds and the welding positions.
2. Students will develop a basic understanding of welding symbols.
3. Students will develop an understanding of basic shop safety practices.
4. Students will participate in an individual or class shop project.

## **WOODS & WELDING**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 337**

**State Course Code:**

Students in the Woods and Welding Course will participate in construction of the larger wood or metals projects. Students will develop basic understanding and operation of Industrial Technology equipment and Welding and Manufacturing equipment. Students will be spending some time constructing equipment for the storage and operation of the new shop facility. Things such as metal and lumber storage racks will be constructed in the course.

## **WELDING & MANUFACTURING**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 363**

**State Course Code: 18404**

**PREREQUISITE: Introduction to Welding or Introduction to Ag Mechanics**

Learn more about the exciting and ever changing world of welding technology. This course will use skills learned in Intro to Ag Welding and build upon them. Students will learn more about Gas Metal Arc Welding and learn techniques in TIG (Aluminum) welding, and plasma cutting techniques. Students will design a metals project and complete the project in the class. Fee: Students will be required to purchase metal for their individual project should they choose to do one.

## Industrial Technical Education courses

### **INTRODUCTION TO AG MECHANICS**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 339**

**State Course Code: 18401**

Students will be introduced into the basics of the many areas of agricultural mechanics. Basic welding and carpentry will be covered. Introduction into plumbing, and minor electrical labs will be part of the course. Students will participate in many hands on activities, developing a set of skills to become comfortable using equipment utilized in today's world of work.

### **AG GENERAL MAINTENANCE & CONSTRUCTION**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 338**

**State Course Code: 18403**

Students will be introduced to the use of surveying equipment and learn the basics of leveling a piece of ground for a patio or cement. Minor concrete/cement labs will be utilized. Students will also develop skills they can utilize when they own their own homes, Electrical wiring, advanced plumbing, wall framing, window installation, sheetrock installation and more will be completed in the course.

### **CONSTRUCTION AND TRADES**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 222**

**State Course Code: 17002**

This class will exposed students to the construction process including design, blueprint reading, career exploration, and framing construction. This class will also introduce many different trades and skills including wiring, plumbing, basic auto care, and concrete construction. The class will design and build multiple storage sheds as well as many other labs to give students a chance to get a hands on feel for the many different trades and career options.



## Industrial Technical Education courses

### **INTRO TO WOODS**

**Grade Level: 9-12**

**1 Semester**

**Grading Scale: 0.500 credit**

**Assessed: Local**

**Course Number: 220/221**

**State Course Code: 17006/17013**

Students will be exposed to a wide variety of tools and machines used in woodworking and cabinetry making. They will learn safety on all the machines and tools in the woods lab as well as the correct usage and care for the tools. Hand drafting, measuring, and math will be covered in order for the students to design and create multiple woods projects selected by the instructor. Some projects may include a night stands, shelves, cutting boards, and clocks. All students will pass a high level safety test. Class fees will depend on projects students build.

### **WOODS I & II**

**Grade Level: 9-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 196**

**State Course Code: 17006/17013**

Course introduces various woods and offers experience in using selected woodworking tools safely. Students design and construct one or more projects and may prepare a bill of materials. Advanced work may focus on learning terminology, developing skills to use power tools safely and becoming familiar with various kinds of wood finishing materials. Course provides knowledge and skills to design, construct and finish furniture. Content may also include marketing and sales.

### **ADVANCED AG WOODWORKING**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 213**

**State Course Code: 17007**

Woods project design is meant for students that have a strong interest in woodworking and want to design their own furniture or cabinets project. All projects will be designed using hand drafting as well as CADD. The class will use creative thinking, problem solving, and design. Students will develop confidence using all of the hand tools and machines safely and to a high standard. All students will pass a high level safety test. Class fees will depend on design of the student project.

## Industrial Technical Education courses

### **MECHANICAL DRAFTING**

**Grade Level: 11**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 21102**

**State Course Code:**

Students will be taught about the many disciplines available to them in the engineering profession as well as the career opportunities in engineering. This course will be split between mechanical drafting and architectural drafting. This course will give students the opportunity to learn to draft and design parts and basic floor plans as well and see some of the 3-D modeling and rendering that they can create.

### **ARCHITECTURAL ENGINEERING AND DRAFTING**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 214**

**State Course Code: 21021**

This course is a continuation of engineering and drafting 1. Students will advance their knowledge of the CADD software and learn to design and create industry level drawings. Student will spend much of their time using architectural drafting software to create plans for playgrounds, parks, commercial buildings, or dream homes. By the end of the class students will be able to present plans for a project including site plans, 3D renderings, codes, and other essential project plans. This class will also cover careers in engineering and related fields.

### **INDUSTRY TRADES & MANUFACTURING**

**Grade Level: 9-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number:**

**State Course Code:**

Students enrolled in Industry Trades and Manufacturing will have the opportunity to further develop their skills and knowledge gained in previous shop courses. The class will allow students to design and build their own project that utilizes the equipment and technologies provided by our school. Students will work with the instructor to pick individual projects related to their career interests that will challenge them in areas of welding, mechanics, woodworking or other agriculturally related topics of interest.

### **PLASMA TABLE CREATIONS**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number:**

**State Course Code:**

Students in this course will design and cut out various metal projects on the plasma table. They will then assemble and prepare them for sale to the public or to take home themselves. Various metalworking skills such as welding will be necessary to complete some of the projects.

## Industrial Technical Education courses

### **SMALL ENGINES TECHNOLOGY**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 217**

**State Course Code: 20110**

Students will learn the difference between motors and how they function, the class will be a balance between hands on training, textbook work, and simulations using Briggs and Stratton software. Students will get to disassemble and reassemble a small engine and learn the correct operation, maintenance, and repair for the motor. Basic vehicle maintenance such as oil changes will also be covered in this course. Students will get the opportunity to repair some of their own small engines such as lawn mowers, string trimmers, snow blowers, snowmobiles, and others. All students will pass a safety test.

### **AG TECHNOLOGY**

**Grade Level: 11**

**1 semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number:**

**State Course Code:**

Students in this course will be introduced to new and exciting technologies and equipment used by the agricultural industry that are featured in the school shop space. Students will gain experience with CADD software and then use that to make items on the 3D printer. The Boss laser will be utilized. In addition, precision ag technologies such as how drones and GPS works will be explored and introduced.

### **MANUFACTURING TECHNOLOGIES**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number:**

**State Course Code:**

The focus of this course will be learning the basic skills and understandings required to operate in a manufacturing environment. This course will focus on using the wood CNC router and the plasma table to cut metal. Students will learn how to operate tools and equipment and then create products, such as metal cutout signs or carved out wood projects.

### **FLUID POWER**

**Grade Level: 10-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 30**

**State Course Code: 18405**

Today's world consists of numerous technologies and machines that make our lives easier. Manufacturing utilizes fluid power to produce, package and process much of the products we utilize in our society. Students will learn about basic hydraulics and pneumatics. Students will be able to participate in numerous lab settings to apply what they learn in the classroom.

## Mathematics courses

### **PRE-ALGEBRA - REQUIRED**

**Grade Level: 7**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**School District:**

**Course Number: 120**

**State Course Code: 52051**

This course contains a review of the basic operations of arithmetic involving whole numbers, integers, and rational numbers as introduced in elementary classes. Topics covered include ratio, proportions, percent, simple geometry & algebra, and probability. As students continue through the course, they will further their understanding of basic algebra. It stretches student skills by utilizing more multi-step problems. This skill building is done through word problems, problem solving strategies, and applications are used throughout to make mathematics relevant and practical. This course covers Minnesota Academic Math Standards for Grade 7.

### **ALGEBRA I - REQUIRED**

**Grade Level: 8**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 121**

**State Course Code: 02006**

This course seeks to improve students' understanding of algebra. Topics to be covered in algebra I include operations with real numbers and variables, solving equations and applied problems, polynomials, factoring polynomials, graphing equations, systems of equations, and an introduction to irrational numbers and quadratic equations. This course will cover the Minnesota Academic Math Standards for Grade 8.

### **GEOMETRY - REQUIRED**

**Grade Level: 9**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 119**

**State Course Code: 02072**

This course is designed to develop an understanding of the basic concepts of geometry. Students will investigate the definitions and properties of plane and solid figures, including points, lines, angles, perpendicular and parallel lines, quadrilaterals, triangles, circles, prisms, cylinders and spheres. Students will also use deductive reasoning and logic as they study postulates, theorems, and formal proofs. They will fuse these skills to relate and apply geometric concepts to other math related fields, such as algebra and probability. In addition, students will apply geometric ideas to describe and answer questions about real-world situations. This course covers Minnesota Academic Math Standards No. 9.3.1.1 through 9.3.4.7 (Geometry & Measurement Strand).

## Mathematics courses

### **ALGEBRA II - REQUIRED**

**Grade Level: 10**

**1 Year**

**Grading Scale: 1 credit**

**Prerequisites: ALGEBRA I**

**Assessed: State**

**Course Number: 127**

**State Course Code: 02142**

Review and continuation of topics introduced in Algebra I, including further study of functions; quadratics, exponential, and radical equations; positive and negative exponents; rational exponents; solving equations and inequalities; basic statistical analysis, permutations, combinations, single variable analysis, and normal distribution will be introduced in this course. This course covers Minnesota Academic Standards No. 9.2.1.1 through 9.2.4.8 (Algebra Strand) and No. 9.4.1.1 through 9.4.3.9 (Data Analysis and Probability Strand). This course is offered in further preparation for Algebra II.

### **FOUNDATIONS OF MATH**

**Grade Level: 11**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 131**

**State Course Code: 02138**

Advanced study of algebraic topics and elementary functions, builds off of Algebra II with further study of relations and functions, including polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their inverses, graphs, and applications. This course reviews Minnesota Academic Standards No. 9.2.1.1 through 9.2.4.8 (Algebra Strand) and No. 9.4.1.1 through 9.4.3.9 (Data Analysis and Probability Strand). This course is offered as an alternative to College Algebra.

### **(CIS) COLLEGE ALGEBRA**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**PREREQUISITES: ALGEBRA II**

**Assessed: State**

**Course Number: 125**

**State Course Code: 02109**

**Coll Course Code#: MATH110**

**College Code: 002375**

**Southwest MN State University**

The course includes two college level classes, beginning with College Algebra and concluding with College Trigonometry. College Algebra: a study of the fundamental concepts of algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. Trigonometry: both circular functions and right triangle, trigonometric equations, logarithms, exponential functions, and complex numbers. This course covers Minnesota Academic Standards No. 9.2.1.1 through 9.2.4.8 (Algebra Strand)

**PREREQUISITE: GPA 3.25, NWEA meet/exceed all areas**

## Mathematics courses

### **(CIS) COLLEGE TRIGONOMETRY**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**PREREQUISITES:** ALGEBRA II

**Assessed:** State

**Course Number:** 132

**State Course Code:** 02103

**Coll Course Code#:** MATH125

**College Code:** 002375

**Southwest MN State University**

The course includes two college level classes, beginning with College Algebra and concluding with College Trigonometry. College Algebra: a study of the fundamental concepts of algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. Trigonometry: both circular functions and right triangle, trigonometric equations, logarithms, exponential functions, and complex numbers. This course covers Minnesota Academic Standards No. 9.2.1.1 through 9.2.4.8 (Algebra Strand)

**PREREQUISITES:** C- or above in College Algebra, GPA 3.5

### **(CIS) PRE-CALCULUS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 1.250 credit

**Coll Course Credit:** 5 credit

**PREREQUISITES:** ALGEBRA II

**Assessed:** State

**Course Number:** 129

**State Course Code:** 02110

**Coll Course Code#:** MATH135

**College Code:** 002375

**Southwest MN State University**

A detailed study of the mathematics needed for calculus. Concepts are presented and explored from symbolic, graphical, and numerical perspectives. Basic concepts covered include polynomial, rational, exponential, logarithmic, and trigonometric functions, complex numbers, linear systems, numerical patterns, sequences and series. Students who do not meet the stated requirements may be dropped from the course.

**PREREQUISITES:** C- or above in College Algebra, GPA 3.5

### **(CIS) INTRO TO STATISTICS**

**Grade Level:** 11-12

**1 Semester**

**Grading Scale:** 0.750 credit

**Coll Course Credit:** 3 credit

**Assessed:** State

**Course Number:** 133

**State Course Code:** 02205

**Coll Course Code#:** MATH200

**College Code:** 002375

**Southwest MN State University**

Introduction to measures of central tendency, measures of dispersion, frequency distributions, large and small samples, testing of hypotheses, and correlation analysis. Use of computers in statistical analysis. The required preparation is MATH 110 or three years of high school mathematics.

Goal: 04- Mathematical/Logical Reasoning

**PREREQUISITES:** C- or above in College Algebra, GPA 3.5

## Music courses

### **GENERAL MUSIC**

**Grade Level: 7th**

**1 Qtr**

**Grading Scale: 0.250**

**Assessed: State**

**Local Course Code: 145**

**State Course Code: 05137**

This class covers music outside the realm of ensemble performance. Students will explore the concepts of Music History, Music Theory, and Ear Training through creative projects and skill drills. General Music 7 will enable students to create and perform music, listen and respond to compositions, and allow them incorporate their musical experiences with other activities and subjects. The course involves understanding music as creative expression and communication, exposure to music theory, an understanding of music's historical timeline and redefining the ability to discern and critique.

### **JUNIOR CHOIR**

**Grade Level: 7-8**

**1 Year - M/W**

**Grading Scale: 0.4**

**Assessed: State**

**Course Number: 142**

**State Course Code: 05110**

Junior High Choir is for any student in grades 7-8 who enjoys singing and would like to advance their skills through large-group performance. Students will learn proper vocal production, as well as enhance their skills in music reading, sight singing, expression and performance. Choir also offers opportunities for students to develop team building and leadership skills. Generally, three performances are given during the school year. **Students are required to participate in three choir performances**

**Academic Standard: Arts – Music – Artistic Foundations –Artistic Process: Perform or Present**

### **SENIOR CHOIR**

**Grade Level: 9-12**

**1 Year - M/W**

**Grading Scale: 0.4**

**Assessed: State**

**Local Course Code: 144**

**State Course Code: 05110**

Senior high choir is for any student in grades 9-12 who enjoy singing and wishes to take their musical knowledge and skills to "the next level". Emphasis will be placed on balance, blend, pitch authenticity, sight reading, and communication through performance. Students are required to participate in all choir performances including Large Group Solo Ensemble.

**Academic Standard: Arts – Music – Artistic Foundations – Artistic Process: Perform or Present**

## Music courses

### **MUSIC APPRECIATION**

**Grade Level: 11/12**

**1 Semester**

**Grading Scale: 0.5**

**Assessed: Local**

**Course Number: 194**

**State Course Code: 05116**

Music Appreciation is a course open to grades 11-12 that is designed to introduce representative musical masterworks to high school students. A study of the materials of music, including basic elements, styles, and form is presented as an aid to understanding and enjoying music. The listening to and analysis of recordings is included. The topics studied will include basic music terms, musical time periods, the history of jazz, musicals, origins of today's pop music and discussing the aesthetic values of music.



## Science courses

### **LIFE SCIENCE 7**

**Grade Level: 7 - REQUIRED**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 160**

**State Course Code: 03158**

This course is an introduction to living things. Areas of exploration include cells, genetics, and the wide variety of organisms: bacteria, protists, fungi, plants, and animals. The course also includes ecology and an introduction to human anatomy.

**Academic Standards: Scientific Concepts and Applications- Living Systems**

**Academic Standards: Inquiry & Research Learning Area- Controlled Experiments**

### **EARTH SCIENCE 8**

**Grade Level: 8 - REQUIRED**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 161**

**State Course Code: 03001**

The course begins with a study of Astronomy. Topics include the Earth and Moon, the solar system, stars, and galaxies. The year continues with a study of plate tectonics, earthquakes, volcanoes, rocks & minerals, and erosion and weathering. The course concludes with an investigation of oceanography and meteorology.

**Academic Standards: Scientific Concepts and Applications- Earth Systems**

**Academic Standards: Inquiry & Research Learning Area- Assessing Information**

### **PHYSICAL CHEMISTRY 9**

**Grade Level: 9 - REQUIRED**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 162**

**State Course Code: 03104**

This course is an introduction to Physics and Chemistry. The first half of the year covers basic physical concepts, including motion, energy, waves, light, electricity, magnetism, and heat. The second half deals with basic chemical concepts, including matter, atoms, molecules, chemical reactions, acids & bases, and organic molecules. Hands-on laboratory work is a significant part of the course.

**Academic Standards: (Middle Standards) Physical Systems**

**Academic Standards: (High Standards) Scientific Concepts & Applications**

**Academic Standards: Inquiry & Reasoning- The Nature of Engineering**

## Science courses

### **BIOLOGY**

**Grade Level: 10 - REQUIRED**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 163**

**State Course Code: 03051**

This is a year-long study of the diverse life forms on Earth. Students will investigate the following topics: cells, genetics, evolution, viruses, bacteria, protists, fungi, plants, invertebrate animals and vertebrate animals. The course includes a number of involved laboratory activities and projects.

**Academic Standards: Scientific Concepts and Applications-Concepts in Biology**

### **ADVANCED CHEMISTRY**

**Grade Level: 11, 12**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 166**

**State Course Code: 03101**

This course is offered on alternate years, and is designed to provide the student with the chemical understanding needed to succeed in college inorganic chemistry. Sound math skills are needed, and laboratory work is an integral part of the course. Topics include: matter, atomic structure, periodic properties, stoichiometry, gas laws, solution, acid-base reactions, and hydrocarbons.

**Academic Standards: Scientific Concepts & Applications-Inquiry**

### **ANATOMY & PHYSIOLOGY**

**Grade Level: 11, 12**

**1 YEAR**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 164**

**State Course Code: 03053**

This advanced biology class is offered on alternate years, and is intended for students interested in health or medical fields. Students will develop an in-depth knowledge of the following human systems: skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive.

**Academic Standards: Physical Ed. & Lifetime Fitness- Career Investigation**

**Academic Standards: Inquiry and Research- History of Science**

## Science courses

### **PHYSICS**

**Grade Level: 11, 12**

**1 YEAR**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 159**

**State Course Code: 03151**

Course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

### **MARINE BIOLOGY**

**Grade Level: 11, 12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 169**

**State Course Code: 03005**

This course is an introduction to marine life forms and their ocean environment. Topics include: geologic features of the ocean, marine algae and invertebrates, the fishes, marine mammals, and ocean ecology.

### **FRESHWATER FISHERIES BIOLOGY**

**Grade Level: 11, 12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 170**

**State Course Code: 03099**

This course examines freshwater fish and the freshwater environment. It focuses on the fish of Minnesota and the ecosystems of Minnesota's rivers and lakes. This course offers fieldwork in local rivers.

## Science courses

### **FORENSIC SCIENCE**

**Grade Level: 11, 12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 360**

**State Course Code: 15055**

Courses in this classification provide an overview of the theoretical understanding and practical application of forensic science techniques. They explore the applied science of biology, chemistry and physics with crime investigation. Topics typically included are genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence.

### **(CIS-ONLINE) PEOPLE & ENVIRONMENT**

**w/LAB**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 4 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: BIO1430/1431**

**College Code: 005544**

**Alexandria Technical College**

When this course is taken with BIOL1431 (Lab), it meets MnTC Goal 3 and 10. This course discusses the major environmental problems challenging life on Earth. The major purpose of the class is to heighten awareness of environmental problems and to employ critical thinking to address possible solutions to these problems. Discussions include land use practices in Douglas County, Minnesota and their impact on the environment. The lab focuses on giving learners an understanding of how environmental issues and problems are studied and sampled in the field. Numerous field trips to different sites in Douglas County (or provided visual images) allow sampling and visual observation of activities affecting the environment.

**PREREQUISITES: GPA 3.5**

### **(CIS-ONLINE) INTRO TO ASTRONOMY**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 1 credit**

**Coll Course Credit: 4 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: PHYS1003**

**College Code: 004069**

**UMM - Crookston**

Human's place in the Universe. Earth, other planets, sun, stars, galaxies. Background/ fragility of life on Earth. Scale, origin, history of Universe.

**PREREQUISITES: GPA 3.5**

## Science courses

### **Astronomy & Space Science**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number:**

**State Course Code:**

This course is an introduction to the composition and structure of the universe. This course will provide the student with a study of the universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, stars, and the history of human space flight and rocket science.

## Social Studies courses

### **US HISTORY I - REQUIRED**

**Grade Level:** 7/8

**1 Year**

**Grading Scale:** 1 credit

**Assessed:** State

**Course Number:** 7th 180/8th 174

**State Course Code:** 04102

U.S. History I serves as an introduction to American history and exposes students to the foundations of our country. This course examines historical events, people, and movements in the United States from the first Native Americans leading up until the Civil War. Students will understand how the United States developed from a few colonies into the foundation of what it has become today. Students will also explore how the country faced much uncertainty, but the nation worked through the difficulties to become a unified nation. **Academic Standard: Social Studies Learning Area- History**

### **GEOGRAPHY - REQUIRED**

**Grade Level:** 7/8

**1 Year**

**Grading Scale:** 1 credit

**Assessed:** State

**Course Number:** 7th 182/8th 173

**State Course Code:** 04001

Geography introduces students to the people, places, and cultures of the world. The course examines how land, resources, population, customs, climate, and politics affect how people on Earth live. The course starts with background knowledge of learning how to read maps and identifying the five themes using human and physical geography. It then transitions into a study of North and South America along with the Caribbean. It continues with an in-depth look at countries in Europe, Asia, Africa, and Australia. Students will be able to identify the countries on a map as well as learn about the history and present day happenings of the cultures of those countries and how they relate to other countries in the world.

**Academic Standard: Social Studies Learning Area- Geography**

### **CIVICS - REQUIRED**

**Grade Level:** 9

**1 Semester**

**Grading Scale:** .5 credit

**Assessed:** State

**Course Number:** 181

**State Course Code:** 04161

The course examines the rights, duties and responsibilities that are necessary to become a functioning citizen in American society. Students will investigate the structure and operation of the United States government. It will include an in-depth study of notable documents such as the Declaration of Independence, our Constitution and Bill of Rights and how they set up the entire framework for our government and provide for individual rights and freedoms. There will be a strong emphasis on the three branches of government and the roles they play in American society. Students will also understand the early governments of the United States, political parties, the election process, civil and criminal laws, state and local government, and basic economic ideas. Students will also discuss our rights as U.S. citizens and debate topics and issues that arise out of events that are happening around the world each day.

**Graduation Standard: Social Studies Learning Area- Citizenship and Government**

## Social Studies courses

### **US HISTORY II - REQUIRED**

**Grade Level: 10**

**1 Year**

**Grading Scale: 1 credit**

**Assessed: State**

**Course Number: 183**

**State Course Code: 04101**

This class covers the events and history of the United States beginning with the Civil War era and leading into present day history. Students will explore and analyze the American culture through a chronological study of major events, people, ideas, and issues throughout history in America. By examining all of the periods of U.S. history, students will be able to understand how the country's past has influenced the present. Students will also examine how the nation has endured and progressed given the challenges and triumphs of our past history, and how we developed into the country we are today.

**Graduation Standard: Social Studies Learning Area- History**

### **WORLD HISTORY - REQUIRED**

**Grade Level: 11**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: State**

**Course Number: 184**

**State Course Code: 04051**

The focus of this course is the study of the historical development of people, places, and patterns of life around the globe from prehistory into the modern day era. This class approaches history through a chronological and thematic approach by looking at threads of humanity over time. Students will evaluate how human society has always strived to improve, expand, or explore new ideas, leading to the world we live in today. It will cover topics ranging from the earliest civilizations, first empires, the Greeks, Roman republic and empire, dark ages, Renaissance, world religions, revolutions, and the world wars and beyond. Students will understand how history has affected later events and ideas and analyze how the past connects with the present.

**Graduation Standard: Social Studies Learning Area- History**

### **WORLD GEOGRAPHY - REQUIRED**

**Grade Level:**

**1 Semester**

**Grading Scale: .5 Credit**

**Assessed: State**

**Course Number: 190**

**State Course Code: 04001**

World Geography is a study of the various cultures that have existed around the world throughout history. Students will examine cultural perspectives, people, places, environments and countries around the world. The course will also study how location influences agriculture and various economic activities. Students will also compare how cultures have shaped characteristics of regions and will examine the effect that technology and human interaction have had on the physical environment. Students will also evaluate how interaction between different cultures and countries around the globe have changed the way of life of people throughout history.

## Social Studies courses

### **AMERICAN GOVERNMENT - REQUIRED**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: State**

**Course Number: 186**

**State Course Code: 04151**

American Government is designed to be a detailed study of our federal government and the ideals of democracy both in past and present times. The class covers the colonial governments including the Articles of Confederation and the U.S. Constitution and its amendments. Other topics covered include individual rights, political parties, mass media, voting and elections, national government, Congress, the Presidency, Federal Courts, taxation, and public opinion. This course also discusses current events and happenings surrounding the U.S. government in global affairs. Students will combine previous civics knowledge with this course and will be prepared to enter the world with a strong understanding of the functions of government and how to be citizens in our democracy.

**Graduation Requirement: Social Studies Learning Area- Citizenship and Government**

### **ECONOMICS - REQUIRED**

**Grade Level: 12**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: State**

**Course Number: 187**

**State Course Code: 04201**

Economics provides an overview of the basic fundamental principles and concepts of economics and also focuses on general themes and ideas related to both microeconomics and macroeconomics. It examines the way in which economics affects the lives of individuals and how the choices and decisions of individuals shape economies all over the world. The course covers the following topics: types of economic systems, market structures, business organization, competition and pricing, supply and demand, money and banking, investment, and economic performance. By the end of this course students will understand and be able to use economic concepts, theories, and principles and apply it to their everyday lives.

**Graduation Requirement: Social Studies Learning Area- Economics**

### **HISTORY AND TECHNIQUES OF OFFICIATING AMERICAN ATHLETICS**

**Grade Level: Senior High**

**1 Semester**

**Grading Scale: .5 credit**

**Assessed: Local**

**Course Number: 31**

**State Course Code: 08021**

This course is designed to provide students with the knowledge, mechanics and skills to officiate various sports contests. An emphasis will be placed on interpretations of the rules and proper techniques to officiate athletic events. Sports covered in this course include volleyball, football, basketball, baseball and softball.



## Social Studies courses

### **(CIS) CHILD & ADOLESCENT DEVELOPMENT & LEARNING**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code: 01103**

**Coll Course Code#: ED2100**

**College Code: 004069**

**UMM - Crookston**

Study of principles and major theories of development from birth through adolescence. Age trends, individual/group differences, factors which affect development/learning. Evidence-based applications.

**PREREQUISITES: GPA 3.5**

### **(CIS-ONLINE) GENERAL PSYCHOLOGY**

**Grade Level: 12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: PHYS1003**

**College Code: 005544**

**Alexandria Technical College**

This course is a basic introduction to psychology. Topics include its history, research methods, biological factors in behavior, sensation and perception, motivation and emotion, learning, intelligence, personality theories, human development, social behavior, and abnormal psychology. This course exposes learners to the basics of these topics.

**PREREQUISITES: GPA 3.5**

## Social Studies courses

### **(CIS) MODERN AMERICA: HISTORY OF THE US FROM 1865 TO PRESENT**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#: HIST222**

**College Code: 002375**

**Southwest MN State**

A survey of American civilization with emphasis on the social, economic, and political history of the United States from 1865 to the present. Topics include the Gilded Age, populism, progressivism, isolationism, American involvement in the two World Wars, the Cold War, Vietnam, the civil rights movement and the debate over American exceptionalism.

**PREREQUISITES: GPA 3.5**

### **(CIS) AMERICAN HISTORY TO 1877**

**Grade Level: 11-12**

**1 Semester**

**Grading Scale: 0.750 credit**

**Coll Course Credit: 3 credit**

**Assessed: State**

**Course Number:**

**State Course Code:**

**Coll Course Code#:**

**College Code:**

This course provides a discussion of the political, economic, cultural and social factors which have shaped American history. Topics include European exploration and colonization, the American Revolution and Founding period, the rise of democracy and industrialization, sectional conflict, the Civil War and Reconstruction.

**PREREQUISITES: GPA 3.5**

## Visual Art courses

### **7<sup>th</sup> GRADE ART - REQUIRED**

**Grade Level: 7**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 40**

**State Course Code: 05187**

This course is part of the continued program from elementary art curriculum and is the first step in the junior high sequence. It is designed to build upon student learning in relation to four major goals for general education in art: Creating art, looking at art (aesthetics and art history), and living with art and criticism of art. Students will explore artistic foundations, artistic process and artistic response/critique. These refer to Minnesota and National standards. Students will be introduced to those standards through the use of a number of projects which make up the course work.

**Art Standard: Visual Art – Art Creation / performance**

**Art Standard: Visual Art – Art Creation / performance**

### **8<sup>th</sup> GRADE ART - REQUIRED**

**Grade Level: 8**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 41**

**State Course Code: 05188**

This course is part of the continued program from elementary art curriculum and is the second step in the junior high sequence. It is designed to build upon student learning in relation to four major goals for general education in art: Creating art, looking at art (aesthetics and art history), and living with art and criticism of art. Students will continue to explore artistic foundations, artistic process and artistic response/critique. These refer to Minnesota and National standards. Students will be introduced to those standards through the use of journals, sketchbooks, checklists and a number of projects which make up the course work.

**Art Standard: Visual Art – Art Creation / performance**

**Art Standard: Visual Art – Art analysis and interpretation**

### **9<sup>th</sup> GRADE ART**

**Grade Level: 9**

**1 Semester**

**Grading Scale: 0.5 credit**

**Assessed: Local**

**Course Number: 44**

**State Course Code:**

This course is opened to students in grades 9-12 not currently enrolled in any regular art classes, band or choir. This course is part of the continued art program where students will continue to explore artistic foundations, artistic process create/present and artistic response/critique. These refer to Minnesota and National standards. Students will explore the areas drawing, painting, lettering, and copper foil which make up the course work.

**Art Standard: Visual Art – Art Creation / performance**

**Art Standard: Visual Art – Art analysis and interpretation**

## Visual Art courses

### **INTRODUCTION TO ART**

**Grade Level: 9- 12**

**2 Semester**

**Grading Scale: 0.600 credit**

**Assessed: Local**

**Course Number: 42**

**State Course Code: 05154**

This course is opened to students in 9-12th grade not currently enrolled in any regular art classes, band. This course is part of the continued art program where students will continue to explore artistic foundations, artistic process create/present and artistic response/critique. These refer to Minnesota and National standards. Students will explore the world's history of art through research, oral presentations, student taught lessons and artistic projects which make up the course work.

**Art Standard: Visual Art – Art Creation / performance**

**Art Standard: Visual Art – Art analysis and interpretation**

### **STUDIO ART I, II, III**

**Grade Level: 9-12th**

**1 Semester (T/TH/FR)**

**Grading Scale: 0.600 credit**

**Assessed: Local**

**Course Number: I-43/II-44/III-45**

**State Course Code: 05154**

This course is opened to students in 9-12th grade not currently enrolled in any regular art classes, band. This course is part of the continued art program where students will continue to explore artistic foundations, artistic process create/present and artistic response/critique. These refer to Minnesota and National standards. Students will explore the world's history of art through research, oral presentations, student taught lessons and artistic projects which make up the course work. This course expands on knowledge of skills developed in the intro to art course, and allows students to develop their own creativity.

**Art Standard: Visual Art – Art Creation / performance**

**Art Standard: Visual Art – Art analysis and interpretation**

### **MEDIA ARTS/YEARBOOK**

**Grade Level: 9-12**

**1 Semester (M/W)**

**Grading Scale: 0.400 credit**

**Assessed: Local**

**Course Number: 46**

**State Course Code: 05169**

This course is opened to students in grades 9-12. It can be taken up to a total of four years. This course is designed to introduce students to the world of publication. Students will learn layout design, terminology and marketing along with the computer *programs Adobe Photoshop and Jostens Yearbook*. This course is designed to introduce students to the digital world of art they will achieve this through designing on the computer, partially through the process of building our schools yearbook.

**Academic Standard: Media Arts – Art creation / performance**

## Visual Art courses

### **ART IN THE HOME**

**Grade Level: 12**

**Semester**

**Grading Scale: 0.500**

**Assessed: Local**

**Course Number: 367**

**State Course Code: 05175**

In this course, students will gain knowledge and skills that are useful for efficient and productive home management. Topics include: Food and nutrition, clothing, housing design, and decoration. Comprehensive units on hosting thematic dinners will include design of invitations, menus, decor, and buffet setup. Incorporating artistic design into the home and furnishings is also an important aspect of this class.

## World Language courses

### **SPANISH I**

**Grade Level: 9**

**2 Semesters**

**Grading Scale: 1 credit**

**Assessed: Local**

**Course Number: 205**

**State Course Code: 06101**

Spanish I is a fun, interactive course which provides students with a general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information and basic grammatical structures. Emphasis will be on the acquisition of four skills: listening, speaking, reading and limited writing. There are two main objectives to the course. The first is to give the students the ability to carry on a simple conversation. The second is to introduce Spanish culture through Latin American art, literature, customs, and history

### **SPANISH II**

**Grade Level: 10**

**2 Semesters**

**Grading Scale: 1 credit**

**Prerequisites: Spanish I or instructor approval upon completion of placement test**

**Assessed: Local**

**Course Number: 207**

**State Course Code: 06102**

Spanish II builds upon knowledge gained in Spanish I and reinforces the skills learned in listening, speaking, reading and writing. Emphasis in Spanish II is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Acquisition of functional vocabulary is expected. Students will be exposed to the past tenses, future, conditional.

### **SPANISH III**

**Grade Level: Sophomore or above**

**2 Semesters**

**Grading Scale: 1 credit**

**Prerequisites: Successful completion of Spanish I & II, or instructor approval upon completion of placement test.**

**Assessed: Local**

**Course Number:**

This course builds upon knowledge gained in Spanish I & II. The course is a continuation and recycling of knowledge acquired in Spanish I and Spanish II, as well as an introduction to new vocabulary, structures and expressions. Students will be expected to expand their vocabulary range to include more sophisticated terms, use advanced language expressions, verb tenses and grammatical concepts such as the pluperfect and the subjunctive mood. Students will view Spanish language films and read selected Spanish literature.