

Hancock High School

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

****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 completed 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	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
Intro to Animal Science	4	1	ANSC1101	003969	UMM-Twin Cities

ENGLISH & COMMUNICATIONS

Course	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
American Literature: Race, Gender & the American Dream	3	0.75	ENGL1016	004069	UMM-Crookston
Composition I	3	0.75	COMP1011	004069	UMM-Crookston
Composition II	3	0.75	COMP1013	004069	UMM-Crookston
Interpersonal Communications	3	0.75	COMM2002	004069	UMM-Crookson
Intro to Public Speaking (Grades 11-12)	3	0.75	SPCH1101	004069	UMM-Crookston
Intro to Public Speaking (Grade 10)	3	0.75	COMM1415	005544	Alexandria Technical Community College
Social Media Communications	3	0.75	COMM1485	005544	Alexandria Technical Community College
Intro to World Literature	3	0.75	ENGL1005	004069	UMM-Crookston
British Literature	3	0.75	ENGL1017	004069	UMM-Crookson

MATHEMATICS

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

CAREER & TECHNICAL EDUCATION

Course	Coll Crdt	HS Crdt	Coll Course Code	College Code	College
Personal Finance	3	0.75	BUS1146	005541	MN State Tech & Community College
Tech Ethics - Philosophy	3	0.75	PHIL1410	005544	Alexandria Tech & Community College
IT-Essentials	3	0.75	CPTR1125	005541	MN State Tech & Community College
Intro to College Computers	3	0.75	ITEC1430	005541	MN State Tech & Community College
Spreadsheet Applications	3	0.75	ACCT1124	005541	MN State Tech & Community College
Principles of Bookkeeping	3	0.75	ACCT1012	005541	MN State Tech & Community College

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

(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.

INTRODUCTION TO AG 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.

Agriculture courses

AGRICULTURAL LEADERSHIP

Grade Level: 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.

WOODS, WATER AND WILDLIFE

Grade Level: 10-12

1 Semester

Grading Scale: 0.5 credit

Assessed: Local

Course Number: 14

State Course Code: 18504

Interested in wildlife? 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. All students will 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)

(continued on next page)

Agriculture courses

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.

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.

Agriculture courses

ADVANCED AG WELDING

Grade Level: 10-12

1 Semester

Grading Scale: 0.5 credit

PREREQUISITE: INTRODUCTION TO AG WELDING

Assessed: Local

Course Number: TBD

State Course Code: 18404

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 a pair of safety glasses and metal for their individual project

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.

BIOTECH SCIENCE

Grade Level: 10-12

1 Year

Grading Scale: 1 credit

Assessed: Local

Course Number: 210

State Course Code: 18308

Students will study the history of biotechnology and the role it is currently playing in today's modern agriculture. Students will learn about proper lab protocols while participating in gel electrophoresis labs, tissue culture labs and more. Students will develop an understanding of how biotechnology is helping attain higher yields to assist with the goal of feeding 9 billion people on the planet by the year 2050. Ethics and current agricultural issues surrounding biotechnology will be discussed and debated.

Agriculture courses

INTRODUCTION TO AG MECHANICS

Grade Level: 9-10

1 Semester

Grading Scale: .5 credit

Assessed: Local

Course Number

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.

GENERAL MAINTENANCE & CONSTRUCTION

Grade Level: 11-12

1 Semester

Grading Scale: .5 credit

Assessed: Local

Course Number:

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.

Visual Art courses

7th 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

8th 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

9th 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

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.

Career & Technical Education courses

7th 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**

8th 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**

9th 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**

Career & Technical Education 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) 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

Career & Technical Education 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.

(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.

(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

Career & Technical Education 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.

(CIS) TECH ETHICS-PHILOSOPHY

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: 97/98

State Course Code: 04307

Coll Course Code#: PHIL1410

College Code: 005544

Alexandria Tech & Community Coll

This course is designed to ensure that students are current and informed in order to thrive in our technologically oriented, global society. With this new edition, students not only learn about relevant cutting-edge technology trends, but they also gain a better understanding of technology in general and the important issues surrounding technology today. This information gives students the knowledge they need to succeed in today's world. This class explains the importance of learning about computers, the various types of computer systems and their components, the principles by which computer systems work, the practical applications of computers and related technologies, the ways in which the world is being changed by these technologies, and the associated risks and other potential implications of computers and related technologies. **Academic Standards: Business Management**

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

Career & Technical Education courses

INTRO TO WOODS

Grade Level: 9-12

1 Semester - T/TH/FR

Grading Scale: .3 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.

CABINETRY

Grade Level: 9-12

1 Semester - M/W

Grading Scale: .2 credit

Assessed: Local

Course Number: 220/221

State Course Code: 17006/17013

Course introduces various woods and offer 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 WOODS

Grade Level: 11-12

1 Semester

Grading Scale: .5 credit

Assessed: Local

Course Number: 213

State Course Code: 13054

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 student project.

Career & Technical Education courses

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.

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.

Career & 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.

COMMUNICATION TECHNOLOGY

Grade Level:

1 Semester

Grading Scale: .5 credit

Assessed: Local

Course Number: 05168

State Course Code:

This course covers multiple form of communication. A large part of the time will be spent on photography and video production and the skills needed to take quality images. Students will be taught about many of today's new technologies and also the safety precautions that one should take using social media. This class will also spend time researching different careers in the communication field today as well as an introduction to robotics and programing.

Career & Technical Education courses

ROBOTICS

Grade Level: 11-12

1 Semester

Grading Scale: .5 credit

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.

Assessed: Local

Course Number: 34

State Course Code: 21009

SMALL ENGINES TECHNOLOGY

Grade Level: 12

1 Semester

Grading Scale: .5 credit

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.

Assessed: Local

Course Number: 217

State Course Code: 20110

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.

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 10 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: Must have 3.75 GPA 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.

(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.

(CIS) COMPOSITION II

Grade Level: 11-12

1 Semester

Grading Scale: 0.750 credit

Coll Course Credit: 3 credit

PREREQUISITES: COMP I

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.

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.

(CIS) INTRO TO PUBLIC SPEAKING

Grade Level: 11-12

1 Semester

Grading Scale: 0.750 credit

Coll Course Credit: 3 credit

Assessed: State

Course Number: 111

State Course Code: 01151

Coll Course Code#: SPCH1101

College Code: 004069

UMM - Crookston

Topic Selection, research, organization, rehearsal, and extemporaneous delivery of informative, persuasive, and special occasion speeches.

(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: Must have GPA 3.75 or above and Accuplacer score of 250 or above

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.

(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.

(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.

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)

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)

(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.

(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

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.

7th 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.

8th 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

9th 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

REQUIREMENTS: Passing grade in Personal Fitness and Wellness

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

REQUIREMENTS: Passing grade in Personal Fitness and Wellness

Health & Physical Education courses

TOTAL BODY WELLNESS

Grade Level: 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.

REQUIREMENTS: Passing grade in Personal Fitness and Wellness

TEAM 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 competition.

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.

REQUIREMENTS: Passing grade in Personal Fitness & Wellness and a passing grade in either Sports and Fitness, Total Body Wellness, Beginning Weight Training, Advanced Weight Training, Basic Aquatics or Advanced Aquatics. This class may be taken two semesters for credit and additional times with teacher approval.

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: 1 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: 1 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.

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.

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.

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.