Deer River High School

Course Book

2015-16

REGISTRATION INFORMATION

Registering in the spring enables students to have a better chance to get the courses that help them prepare for their future and to insure that high school graduation requirements are met. All students need to register for 7 classes each semester. Students will also choose 4 alternative courses.

As you review the courses available and register, keep the following in mind:

- Review your transcript to determine which courses you have received credit for;
- Select courses that will satisfy Deer River High School's graduation requirements;
- Select courses that will best prepare you for post-high school endeavors;
- Seek advice from people who can assist you (teachers, school counselor, people working in the field of your choice, advisory teacher);
- Read the course descriptions to select courses of interest to you.

COUNTING CREDITS

Deer River High School operates on a 7 period day, with the school year divided up into 4 quarters, or 2 semesters. Each semester course successfully completed by a student earns 1 credit towards the number of credits necessary to graduate. Exceptions include study halls, tutoring, and teacher's aide assignments.

Students must complete both required credits and elective credits to graduate. Details are listed below under the heading "Graduation Requirements". A student cannot take more than 14 credits in a year unless they are credit deficient. A student must attain a minimum of 5 credit bearing classes each semester.

GRADE CLASSIFICATIONS

Students are assigned a grade level based upon their cohort during their 9th grade year. In order for students to attempt state required graduation exams, students will progress through the grade levels regardless of credit attainment. If students are behind on credits for graduation, they may remain listed as active 12th grade (seniors) for multiple years. It is recommended that students successfully complete a minimum of 12 credits per academic year to be on track for graduation.

SCHEDULE CHANGES

During the registration process, students are informed and encouraged to make careful course selections. These selections are used to build school schedules and establish staffing needs. In order for schedule changes to be honored, a Schedule Change Request form must be completed and returned to the counselor.

Requested changes to a student's schedule will be honored only in certain circumstances. These may include:

- Failing a prerequisite
- Gaps in a student schedule
- Needing to fulfill graduation requirements or improve test performance (GRAD/MCA Prep classes)
- Teacher requested changes

Some reasons schedule change requests may not be honored:

- Changing teachers
- Changing class hours
- Requesting classes with friends
- Dropping required courses
- Convenience
- Dropping below 6 academic courses a semester

Some schedule changes require the signature of a parent. In addition, schedule changes made on or after the first day of the quarter must have a signature from the teacher of the class to be dropped and the class to be added as well as a parent/guardian signature. Students who drop a course after the 4th week shall receive a failing grade (F) for each marking period of the course and On-line courses dropped after the 2nd week will receive a failing grade (F). Grading for dropped courses at the college level are specific to each institute.

GRADUATION REQUIREMENTS

In order to participate in the graduation ceremony at Deer River High School, a student must satisfy the following credit requirements and pass assessments as required by the State of Minnesota. If you do not, or will not have enough credits to graduate on time, please see the counselor for options that may be available to you.

They may include:
Alternative Learning Center (ALC) Summer School Online Credit Recovery

A maximum of nine (9) credits per semester are allowed for students requiring credit recovery including seven Deer River High School credits and two other credits outside of the regular school day.

Credits toward graduation are granted on a semester basis. A semester credit is awarded for passing a class with a grade of D- or better for a period of one semester. A total of 47 semester credits are required.

Class of 2016, 2017, 2018	Class of 2019 and Beyond
I. English – 8 credits	I. English - 8 credits
a. English 9 (2)	a. English 9 (2)
b. Composition/English 10A (1)	b. English 10A (1)
c. Speech/English 10B (1)	c. English 10B (1)
d. Literature (2)	d. Literature (2)
e. Writing / Grammar (1)	e. Writing/Grammar (1)
f. Open English elective (1)	f. Open English elective (1)
II. Social – 7 credits	II. Social - 7 credits
a. US Government (2)	a. US Government/Geography (2)
b. American History (2)	b. American History (2)
c. World History (2)	c. World History (2)
d. Human Geography (1)	d. Economics (1)
III. Mathematics – 8 credits	III. Mathematics - 8 credits
a. Statistics and Probability (1)	a. Statistics and Probability (1)
b. Geometry (2)	b. Geometry (2)
c. Algebra II (2)	c. Algebra II (2)
d. Open Math electives (3)	d. Open Math electives (3)
IV. Science – 6 credits	IV. Science - 6 credits
a. Biology (2)	a. Biology (2)
b. Physical Science (2)	b. Physical Science (2)
c. Chemistry or Physics (1)	c. Chemistry or Physics (1)
d. Open Science elective (1)	d. Open Science elective (1)
V. Physical Education – 2 credits	V. Physical Science - 2 credits
VI. Health – 1 credit	VI. Health - 1 credit
VII. Computer – 1 credit	VII. Computer - 1 credit
VIII. Fine Arts – 2 credits	VIII. Fine Arts - 2 credits
IX. Money Matters/Economics – 1 credit	IX. Elective Credits - 12 credits
X. Elective Credits – 11 credits	

WEIGHTED GRADES

All College in the Schools (CIS) courses offered in a traditional classroom or via TelePresence at Deer River High School will be weighted. No other courses, including online or PSEO courses will be weighted.

Weighted		Non-weighted	
A=	4.5	A=	4.0
A-=	4.17	A-=	3.667
B+=	3.83	B+=	3.333
B=	3.5	B=	3.0
B-=	3.17	B-=	2.667
C+=	2.83	C+=	2.333
C=	2.5	C=	2.0
C-=	2.17	C-=	1.667
D+=	1.83	D+=	1.333
D=	1.5	D=	1.0
D-=	1.17	D-=	.667
F=	0	F=	0

PLANNING FOR AFTER HIGH SCHOOL

Students graduating from high school must meet preparation requirements for admission to Minnesota State Universities. In addition to the requirements to graduate from Deer River High School, the following "specifics" are required for many universities.

SUBJECT	REQUIREMENTS	SPECIFICS
English	Minimum of 4 Years	
Mathematics	Minimum of 3 Years Some Require 4 Years	Pre-Calculus Preferred
Science	Minimum of 3 Years	Physics and Chemistry
Social Studies	Minimum of 3 Years	
World Language	Minimum of 2 Years	Single World Language
Electives	Minimum of 1 Year	Fine Arts

Private colleges and universities in Minnesota and state universities outside of Minnesota have a wide range of admissions requirements. Students are encouraged to inquire about requirements for colleges they are interested in attending. In addition to coursework requirements, many colleges and universities have freshman entrance tests that students must pass in order to register for college level courses. Some post-secondary schools set world language proficiency as a graduation requirement. Some colleges and universities require students to be Calculus-ready in mathematics for admission.

Courses required for Military enlistment

The U.S. military currently holds a high standard for recruitment of enlistees. The vast majority of students who are enlisted into the military hold high school diplomas. The military has a very limited number of jobs available to students who are not high school graduates.

1. Preparation for a military career should include the same coursework as preparation for admission to a Minnesota state university. Students wishing to enter the military as officers should inquire about ROTC programs or military academy opportunities.
2. Students are encouraged to determine a non-military vocational interest and try to match their vocational interest to a military job. The Armed Forces have many jobs that parallel civilian careers. Military recruiters can provide additional information about the kinds of jobs available to students who are interested in the military.

EARLY GRADUATION

A student who has met all the graduation requirements of the State of Minnesota and Deer River High School, and has passed the GRAD tests in Reading, Writing, and Mathematics, may be eligible to graduate early. A student interested in graduating early should obtain an Early Graduation packet from the counselor during their senior year and follow the instructions in the packet. If a senior falls short of credits to graduate early, a minimum of 5 credits will need to be taken in the spring semester.

POST SECONDARY OPTION / CONCURRENT ENROLLMENT OPTIONS

Deer River High School strives to provide a rigorous and relevant curriculum that meets the needs of all our students. It is our sincere hope to provide coursework that challenges each student at his/her individual potential and in doing so, provides the best possible pathway to life-long success. Those students ready to challenge themselves at a higher level are encouraged to concurrently enroll in college level curriculum that allows students to earn dual high school and college credit. Concurrent enrollment is defined as enrollment in one course that provides dual credit attainment at both the high school and college levels. Please keep in mind that regardless of the credits earned at post secondary institutions, students must meet the minimum outlined graduation requirements at Deer River High School. As allowed per the Minnesota Department of Education, credits earned at post secondary schools will earn credits at the high school level in the following manner.

Credits Earned at College	Credits Earned at High School
(4) Credits at College	(2) Credits at High School
(3) Credits at College	(1) Credit at High School
(2) Credits at College	(1) Credit at High School
(1) Credit at College	(.5) Credit at High School

The deadline for applying for PSEO is March 30th. See Mrs. Moll if you are interested.

College in the Schools (CIS) FAQ

Courses marked with an icon are CIS courses. All colleges require separate applications.

Itasca Community College is our primary CIS partner beginning in the fall of 2014.

Central Lakes College courses will be received via TelePresence only.

Can anyone sign up for CIS courses?

Currently, CIS courses are open to Juniors and Seniors.

Do I need a certain test score to enroll in CIS courses?

All students must take the Accuplacer exam in both Reading and Mathematics. See each course in this catalog for specifics on test score requirements. ACT test sub scores of 24+ may be substituted for Accuplacer test scores. Students needing the Accuplacer exam or needing a higher score must sign up in the counseling office.

Do I need a certain grade point average to enroll in CIS courses? Yes!

Itasca Community College- 2.5 for Seniors, 3.0 for Juniors
Central Lakes College - 2.5 for Seniors, 3.0 for Juniors

Do I need to apply to the college?

Yes. Applications are in the counseling office and must be completed prior to May 10th, 2013. Incomplete applications results in inaccurate information, so the class may not appear on your schedule.Students that have previously taken courses from Central Lakes College (CLC) will need to complete a new Itasca Community College (ICC) application.

What if I don't meet the GPA or Accuplacer requirements, but still want to take the class?

A maximum of 50% of the students in the class can take the course for high school credit only. Please see the counselor if you are interested in a high rigor class, but do not meet the requirements. It may be possible to appeal the decision or take it for high school credit only.

Do the grades I earn become a permanent record on all college transcripts?
Yes, so please consider enrolling in CIS classes CAREFULLY! Grades in CIS classes become a permanent part of students' college transcripts. This means that these grades will appear on your college transcripts for life! You need to be prepared to excel in the CIS classes you choose!

Can I take CIS classes for High School credit only?
Yes. Students who do not have the required GPA or testing score to receive college credit may choose to take a CIS class for high school credit only. Grading and course work will be the same for high school credit and college credit students in all CIS courses. Students choosing to take CIS courses for high school credit will receive 1 credit per semester and the course will NOT be weighted. Courses taken for high school credit will NOT appear on college transcripts.

Tele-Presence FAQ

What is Tele-Presence?
Tele-Presence Immersion is a high-tech mode of instructional delivery that allows students from multiple schools to collaborate and learn together. A teacher in one location delivers instruction and students from multiple locations receive the instruction via technology. It is a highly interactive learning environment that increases the options for students. Students wishing to enroll in Tele-Presence courses should be self-motivated and independent learners that can collaborate effectively with students and staff. A heavy emphasis on student participation and individual technologies (Laptops, iPads, Google Docs) is required for success within this learning framework, but instruction on how to use these items will be provided.

Is there a teacher in the room?
The environment may allow for students to be without a physically present instructor in the room; however, the instructor (which may be in our location) can see all students in a life size format and is expected to interact with students in the same manner as a traditional classroom.

Classes offered via TelePresence are typically indicated through a course number beginning with TP. However, course numbers dictate whether the course can be offered within the school building.

ALI Course Information and FAQ

Applied Learning Institute (ALI) courses are collaborative efforts between high schools and community/technical colleges in northeast Minnesota. These courses are designed to bring industry level equipment and experiences that garner college credits and work ready certificates in some courses. Students will utilize relevant equipment, visit work force opportunities, and college to further their education.

Can anyone sign up for ALI courses?
Currently, ALI courses are open to juniors and seniors that meet G.P.A. requirements.

Do I need a certain grade point average to enroll in ALI courses? No!
No, but students not meeting minimum requirements may be required to submit an exemption essay.

Do I need to apply to the college?
No.

Do the grades I earn become a permanent record on all college transcripts?
Yes, so please consider enrolling in ALI classes CAREFULLY! Grades in ALI classes become a permanent part of students' college transcripts. This means that these grades will appear on your college transcripts for life! You need to be prepared to excel in the ALI classes you choose!

Business and Career Exploration

Accounting

Course Number: TP701
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1
Broadcasting School: Grand Rapids

Does your future include a degree in business, marketing, management, finance or even cosmetology? No matter what field you choose, an accounting course will likely be required. Why not learn the basics of accounting to help prepare you for a future accounting class? Accounting has many benefits, regardless of your career choice and the study of accounting is interesting and fun, yet thought-provoking. Use a computerized workbook and do your work online.

Career Exploration

Course Number: 09091
Open to Grades: 10-12
Length of Course: Semester
Credits Earned: 1

The course guides students through self-discovery projects and career assessments to identify their strengths and interests. Students learn exploration techniques to define and clarify career and post secondary plans. Students may engage in field trips, job shadowing and other real world activities to introduce students to life after high school.

CIS: Personal Finance/Money Management

Course Number: TP407
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (CLC) / Credits Earned: 1
This course meets the Money Matters graduation requirement.
Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 56+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course introduces students to basic money management skills so they will make informed decisions in managing their personal finances. Topics include understanding the student loan process and obligations, creating a budget debt management, use of credit and credit cards, credit reports, checking and savings accounts, banking basics, insurance issues, developing a personal financial plan and setting financial goals.

Computer

Computer Applications I

Course Number: 41090
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1

Students will be introduced to different methods of communicating digitally. The students will continue to refine their basic computer skills with the use of Microsoft Word, Excel, PowerPoint, and internet browsers. Students will also be introduced into some programming languages, JAVA and Scratch. Digital Citizenship will also be discussed which will reinforce the norms of appropriate, responsible technology use. After the completion of this course they should be able to:

- Manage their files properly using MS Windows XP operating system.
- Create and modify documents such as: reports, term papers, and letters using MS Word 2007.
- Develop spreadsheets that organize, analyze and mathematically manipulate data with MS Excel 2007.
- Use graphics and multimedia to create presentations with MS PowerPoint.
- Access Internet resources with Internet Explorer/Firefox/Chrome.
- Have basic understanding of computer coding.
- Create a computer game in Scratch.

Video Game Creation in C#

Course Number: 41100
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1
Prerequisite: Computer Applications I

In this course, you will first learn the basics of C# programming through hands-on projects. Then you'll apply your knowledge and skills to building video games! You will dive into the inner workings of a fully functional role playing game and will customize the characters, items, maps and game play by altering and enhancing the core game code to create your own unique game. In addition to learning C# this class will serve as a spring board for working with C++ in the robotics class.

Warrior Tech Crew

Course Number: 80500
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1
This course requires Mrs. Henderson to sign the student's registration. This course meets the Computer graduation requirement.

Designed for students that possess intermediate technology skills and have a desire to expand their knowledge in both hardware and software trouble shooting, this project-based course gives students experience in the operation of audio-visual equipment and the production of materials including sound equipment, cameras, projection equipment, desktop computers, laptop computers, mobile devices, and other production equipment.

Members of the Warrior Tech Crew will be expected to assist teachers and other students in using audio-visual equipment and materials. Students will be taught various technological components and be tasked with supporting students and teachers in areas such as set up and imaging, installation of software, sound system and multi-media set up and support, web page development, printer support, and product research. The purpose of the class is to be hand-on support for district staff in the form of a student technology committee.

Preference will be given to students that plan to take this course for two full years. A summer pre-class experience may be included. The class will be offered all periods of the school day. Some evening support may be required.

English

9th Grade English

Course Number: 10091 & 10092
Grade: 9
Length of Course: Yearlong
Credits Earned: 2

Students in this course will:

- Demonstrate an understanding of the writing process.
- Demonstrate an understanding of the written essay.
- Experiment with various essay styles or forms.
- Understand and demonstrate the research process.
- Use proper vocabulary to express and receive ideas, concepts, and feelings.
- Demonstrate the proper use of grammar concepts.
- Use correct forms of punctuation.
- Recognize basic poetic concepts and terms.
- Demonstrate the proper way to read a poem.
- Respond to poetic literature's themes and ideas.

English 10A

Course Number: 10510
Open to Grades: 10, 11, 12
Length of Course: Semester Course
Credits Earned: 1
This course is replacing Composition.

Students in this course will:

- Be able to vary their sentence structure in writing, using complete thoughts rather than fragmented or run-on sentences.
- Improve and apply basic skills in the mechanics of writing such as grammar, punctuation, spelling, capitalization, and etc.
- Use the writing process while completing five paragraph essays.
- Demonstrate an ability to write a focused, organized, and coherent five-paragraph essay that contains an introduction with thesis statement, adequate supporting paragraphs with topic sentences, and an appropriate conclusion.
- Improve word choice, a sense of voice, and creativity in their writing.
- Engage in the process of editing and revision to improve their writing.
- Improve reading comprehension and vocabulary skills.
- Read, analyze, and evaluate literature for story elements, figurative language, conflict, style, point of view, and author's purpose, and historical context.

English 10 B

Course Number: 10410
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1
This course is replacing Speech.

Students in this course will:

- Discuss and apply the elements of the communication model including sender, receiver, feedback, interference, nonverbal communication, and context.
- Improve and apply basic skills in becoming good listeners.
- Demonstrate an ability to develop, organize, and present persuasive and informative messages with an introduction, body, and conclusion.
- Understand effects of media on society and culture.

- Gain experience and proficiency in using vocal expression, eye contact, gestures, and audience feedback in a variety of public speaking situations.
- Understand the relationship between nonverbal interpersonal, and small group communication and problem solving.
- Engage in the process of building and presenting logical arguments using adequate support as well as the difference between the speaker's opinion and verifiable facts.
- Improve reading comprehension and vocabulary skills.
- Reinforce ability to analyze and evaluate literature and literary elements.
- critically analyze information found in electronic, print, and mass media and use a variety of these sources
- communicate using traditional and digital multimedia formats
- make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations

Tales, Myths, & Legends

Course Number: 10600
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1
10th graders must have a 3.25 GPA or higher in order to take this class. This is a literature credit.

Students in this course will:

- Identify the literary genres of science fiction, fantasy, horror, and identify important characteristics of folktales, fables, legends, and myths.
- Identify the use of simile, metaphor, personification, symbolism, irony, flashback, foreshadowing, and other literary elements in literature.
- Identify story elements of plot, setting, characters, theme, point of view, tone, kinds of conflict, etc.
- Practice paraphrasing, summarizing, character description, and writing from various points of view.
- Develop vocabulary skills and understand the origin of various words, including their own first and middle names.
- Understand diverse cultures through the study of their stories passed down through oral tradition.
- Develop a basic understanding of major events and characters in Greek mythology.

Creative Writing

Course Number: 10700
Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1
10th graders must have a 3.25 GPA or higher in order to take this class.

Students in this course will:

- Learn to express themselves creatively by composing original stories, poems, and a host of other writing assignments based upon literature and personal experience.
- Use the writing process. The work in this class relies heavily upon use of the writing process—generating ideas, drafting, revising and proofing, and final copy.
- Explore what constitutes the creative personality and practice thinking creatively.
- Learn of the elements involved in poetry, including rhyme, rhythm, and form, and produce a poem for publication.
- Study and create characters, settings, plot, beginnings and endings, dialogue, point of view, and various genres.
- Be required to write several short stories and even a play.
- Part of the course work is tied in to online discussions, where the class will discuss various assignments, posting and providing feedback to other classmates.

ACT Prep

Course Number: 09103
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1
This is not a college-credit bearing course.

Prerequisite: Completion of English 10A

This course is designed for those students taking the ACT for the first time or those retaking it for a higher score.

This class will help students prepare for college writing and the ACT. It will include college composition, research writing, literature reviews, and the use of MLA format. It will also cover the advanced grammar and reading skills you will need to achieve a better score on college entrance exams.

CIS: Composition I

Itasca Community College
Course Number: 10800
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 2 Writing Credits
Length of Course: Semester (ICC) / Credits Earned: 4

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 78+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course involves learning to use the writing process and to write effectively using a range of strategies for college writing such as narration, description, exemplification, comparison and contrast, causal analysis, and argument. The argument essay includes use and documentation of library resources.

CIS: Composition II

Itasca Community College
Course Number: 11002
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1 Writing Credit
Length of Course: Semester (ICC) / Credits Earned: 3
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

Requirements for receiving college credit in this course:
GPA – 3.0 for Juniors, 2.5 for Seniors.
Course Pre-Requisite: Composition I – must have taken Composition I for college credit to receive college credit for Composition II.

Please note that if you did not take CIS Composition I for college credit, you will not be eligible for college credit in CIS Composition II. In some instances, it is best to wait until a qualifying Accuplacer score allows you to take both courses for college credit.

This course involves discovering and developing and argument for research paper. Students learn how to conduct research in support of and counter reasonable objections to their argument. Students learn how to locate and evaluate sources as well as how to integrate, document, and cite sources.

Drama Literature

Course Number: 11200
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

10th graders must have a 3.25 GPA or higher in order to take this class.

Students in this course will:

- Interpret and evaluate drama (plays) as a unique art form.
- Understand literary concepts such as plot, main characters, setting, theme, symbolism, etc.
- Understand dramatic elements and concepts unique to theater such as theatrical devices, style, and staging.
- Relate literary concepts and literature to life and as a means to understand self and others.
- Participate meaningfully in discussions of plays and playwrights regarding their historical, social, or cultural significance.
- Communicate an informed interpretation of drama using the vocabulary of the art form.

CIS: Intro. To Literature

Itasca Community College
Course Number: 11001
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (ICC) / Credits Earned: 3
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

Requirements for receiving college credit in this course:
GPA – 3.0 for Juniors, 2.5 for Seniors.
Course Pre-Requisite: Composition I – must have taken Composition I for college credit to receive college credit for Composition II.

Students define and investigate the genres of literature: fiction, poetry, and drama. They learn approaches to analysis and interpretation of literature.

Tech Writing

Course Number: 10900
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Enrich basic vocabulary, especially to boost career and college readiness.
- Demonstrate the ability to describe, paraphrase, summarize information, and cite sources correctly.
- Use business communications in the job application process.
- Understand and practice the interview process.
- Understand, compare, contrast and analyze online information.
- Research and review products or services and present results of your investigation.
- Examine and define an exact process and present it using PowerPoint or Prezi.
- Read self-selected texts, building fluency and comprehension skills.

CIS: Mythology

Itasca Community College
Course Number: 10200
Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1 Literature Credit
Length of Course: Semester (ICC) / Credits Earned: 3

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 78+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This is an introductory course presenting Greek and Roman mythology as a means of understanding the human condition through general readings, with special emphasis on classical myth's continued presence in modern Western culture.

Media Production

Course Number: 80097 & 80098
Open to Grades: 11, 12
Length of Course: Yearlong
Credits Earned: Fine Arts 1 / English 1
Note: This class is repeated in the Fine Arts section of this course catalog.

Media Production is intended to introduce students to production, performance, and theory involved in the creation of digital media. Emphasis will include media literacy, manipulation of the message, photography, writing for an audience, and communication via technology, physical, and verbal methods. In addition to other learning activities, students can expect class oriented assignments focused on interviewing, writing, and manipulating media on the school website, podcasts, and other technology platforms. In addition, students are responsible for collaboration, following directions, and critique of peer work, as well as, critique of his/her own work, on a daily basis.

Students in this course will:

- Create, understand, interpret, and judge messages in multi-media formats
- Operate various models of digital cameras and Digital Video (DV) camcorders
- Utilize a story-board to produce a production
- Export DV into non-linear editing programs
- Utilize editing programs to produce a professional video production
- Utilize standard audio equipment to capture and export audio recordings
- Capture, record, and export a digital photo to Photoshop
- Utilize Photoshop and iWorks to import, edit, and print digital photos and recordings
- Understand verbal and physical communication in media

Young Adult Literature

Course Number: 10300
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

*****10th graders must have a 3.25 gpa or higher in order to take this class.***

Students in this course will:

- Distinguish between fact and fiction in various forms of literature.
- Understand the basic differences between film literature and print literature.

- Relate literary concepts and literature to life.
- Analyze literature in basic terms.
- Analyze literary selections as they relate to history.
- Demonstrate understanding of literary types for personal enjoyment.
- Understand basic literary concepts (plot, setting, conflict, characters, theme, foreshadowing, flashbacks, symbolism...).
- Use literature as a means to understand self and others.
- Analyze various types of literature for cultural perspectives and worldviews.

CIS: American Short Story

Course Number: TP103
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1 Literature Credit
Length of Course: Semester (CLC) / Credits Earned: 3
Broadcasting School: Northland Remer

Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 56+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course focuses on reading and analyzing selected short stories of renowned American writers. Students participate in class discussions and write papers to demonstrate close reading skills to express individuals interpretation and to understand the common themes and unique literary characteristics of the genre. This course also covers cultural and historical contexts that influenced the authors.

Fine Arts

Intro to Art

Course Number: 80090
Open to Grades: 9, 10, 11, 12
Length of Credit: Semester
Credits Earned: 1

Students in this course will:

- Demonstrate various drawing techniques
- Demonstrate painting techniques to produce paintings
- identify artists, styles, and mediums

Ceramics

Course Number: 80300
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

*** There will be a $15 fee charged to partially cover the cost of materials.***

Students in this course will:

- Demonstrate proficiency in various ceramic pottery techniques
- Demonstrate and produce ceramic sculpture
- Demonstrate use of glazes and glaze techniques

Color and Design

Course Number: 80400
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Demonstrate an advanced working knowledge of color theory
- Demonstrate an understanding of design principles
- Produce various drawings using a number of drawing techniques

Drawing/Painting

Course Number: 80100
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Draw various still life's showing solid and transparent forms
- Demonstrate an understanding of contour and gesture drawing
- Demonstrate use of various painting media
- View and develop and understanding of various artists and art styles

Media Production

Course Number: 80097 & 80098
Open to Grades: 11, 12
Length of Course: yearlong
Credits Earned: 1 Fine Arts/1 English
Note: This class is repeated in the English section of this course catalog.

Media Production is intended to introduce students to production, performance, and theory involved in the creation of digital media. Emphasis will include media literacy, manipulation of the message, photography, writing for an audience, and communication via technology, physical, and verbal methods. In addition to other learning activities, students can expect class oriented assignments focused on interviewing, writing, and manipulating media on the school website, podcasts, and other technology platforms. In addition, students are responsible for collaboration, following directions, and critique of peer work, as well as, critique of his/her own work, on a daily basis.

Students in this course will:

- Create, understand, interpret, and judge messages in multi-media formats
- Operate various models of digital cameras and Digital Video (DV) camcorders
- Utilize a story-board to produce a production
- Export DV into non-linear editing programs
- Utilize editing programs to produce a professional video production
- Utilize standard audio equipment to capture and export audio recordings
- Capture, record, and export a digital photo to Photoshop
- Utilize Photoshop and iWorks to import, edit, and print digital photos and recordings
- Understand verbal and physical communication in media

Art Appreciation

Course Number: 80099
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Examine the contribution artists and art have made to society and culture.
- In this course we will cover art theory, criticism, and history. Essentially, this course will help students better understand what art is, how it is made, and why it is made.

Senior High Band

Course Number: 90553 & 90554
Open to Grades: 9, 10, 11, 12
Length of Course: Yearlong
Credits Earned: 2

Students in this course will:

- Demonstrate a knowledge of music fundamentals
- Know the proper care and assembly of their instrument
- Demonstrate proper practice techniques
- Follow a conductor
- Exhibit good rehearsal etiquette
- Expand studies of major and minor scales
- Demonstrate musical expression through their use of dynamics, phrasing, and articulation
- Perform literature in a variety of musical styles
- Perform literature from various time periods and cultures
- Perform in a variety of musical settings

Senior High Band/Choir

Course Number:90653 & 90654
Open to Grades: 9, 10, 11, 12

Senior High Choir

Course Number: 90453 & 90454
Open to Grades: 9, 10, 11, 12
Length of Course: Yearlong
Credits Earned: 2

Choir is designed as a study in vocal production and music fundamentals. Students will have many opportunities to sing for personal enjoyment and perform a variety of choral literature. Our goals are:

- To develop correct vocal techniques
- To develop fundamental music skills in notation and sight-singing
- To recognize musical elements and demonstrate expressive qualities in varying styles of choral music
- To contribute to the blend, balance, and quality of the ensemble by developing the ability to sing a part securely
- To develop confidence in performing by practicing performance etiquette and decorum
- To have opportunities for the enjoyment of music through active participation
- To develop self-discipline by functioning as a responsible member of the organization
- To experience successful achievement and pleasure through group involvement
- To develop personal character traits of leadership, poise, and dependability as well as provide an avenue for self-expression
- To develop a desire to continue musical experiences

Vocal Ensemble

Course Number: 90750 & 90751
Open to Grades: 9, 10 ,11, 12
Length of Credit: Yearlong
Credits Earned: 2
***** This Course requires a signature from Mrs. Evans. Audition Only***

Small Ensemble is designed as a study in vocal production and music fundamentals with an additional emphasis on independent singing and learning. Students participating in small ensemble will sing and perform a variety of choral literature within mixed and solo settings.

Students in this course will:

- Develop correct vocal techniques
- Develop fundamental music skills in notation and sight-singing
- Recognize musical elements and demonstrate expressive qualities in varying styles of choral music
- Contribute to the blend, balance, and quality of the ensemble by developing the ability to sing a part securely
- Develop confidence in performing by practicing performance etiquette and decorum
- Have opportunities for the enjoyment of music through active participation
- Develop self-discipline by functioning as a responsible member of the organization
- Experience successful achievement and pleasure through group involvement
- Develop personal character traits of leadership, poise, and dependability as well as provide an avenue for self-expression
- Develop a desire to continue musical experiences

Music Theory

Course Number: TP502
Open to Grades: 9, 10, 11, 12
Length of Course: Semester
Credits Earned: 1
Broadcasting School: Northland Remer

This class will dive into the world of tonal harmony including chords, sevenths, key signatures, chord progressions and harmonics. The world of music is all about patterns and rules. This course will discover these patterns and how the rules have been pushed, broken, and evolved over time. This course is intended for someone of a musical background that is interested in pursuing music or wants to have a better understanding of music. Prerequisite: Knowledge of music notation (can read music).

Health and Physical Education

Sports & Recreation I

Course Number: 70090
Open to Grades: 9, 10 ,11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Understand rules, guidelines, terms, strategy, etiquette, and history of team and individual sports
- Apply knowledge of concepts, principals, strategies and tactics related to movement and performance
- Value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction
- Develop a level of self-confidence with ones motor skill development in the presence of others
- Identify and understand principles of health related physical fitness
- Improve individual and team sport skills through analysis, observation, and active participation
- Develop an attitude that stresses the importance of safety towards oneself and others
- Understand and apply various movements as they apply to exercise and fitness
- Learn to understand that individual physical fitness, responsibility and self control, social interaction, teamwork and sportsmanship, are important values in physical education
- Experience the fun and enjoyment that team, individual, and recreational lifetime activities create for oneself
- Better understand the physical principles and concepts that are important to the development of an individuals fitness such as cardiovascular fitness, muscular strength and endurance, muscular flexibility and body composition
- Have the knowledge and ability to develop their own personal fitness programs

Sports and Recreation II

Course Number 70091
Open to grades: 9-12
Length of Course: Semester
Credits Earned: 1
Credit 1/Semester Course

Students in this course will:

- Demonstrate motor skills and movement patterns needed to perform a variety of physical activities
- Learn to participate regularly in physical education
- Apply knowledge of concepts, principals, strategies and tactics related to movement and performance
- Exhibit responsible personal and social behaviors in physical activity settings
- Value physical activity for health, enjoyment, self-expression, and social interaction
- Achieve and maintain a health-enhancing level of fitness
- Understand how activity patterns are likely to change throughout life and have some plan to deal with these changes
- Recognize and anticipate potentially dangerous consequences and outcomes of participation in physical activity
- Recognize the positive feelings that result from physical activity
- Learn to enjoy regular activity and to learn new activities

Intro to Personal Fitness

Course Number: 70400
Open to Grades: 9-12
Length of Course: Semester
Credits Earned:1

Students in this course will:

- Demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness

- Be introduced to use of the fitness center, group fitness instruction, and recreational fitness
- Have an understanding of and be able to use proper weight room etiquette
- Learn to be able to utilize the proper techniques for spotting a lifter
- Gain a better understanding of the physical principals and concepts that are endurance, muscular flexibility and body composition
- Value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction
- Have the knowledge and ability to develop their own personal fitness programs
- Design and implement a personal health related fitness program based on a personal fitness profile
- Understand the major and minor muscle groups and their relationship to carious body systems
- Exhibit responsible personal and social behavior that respects self and others
- Increase agility and flexibility through various drills and activities
- Demonstrate safety practices when participating in strength training/personal fitness activities
- Achieve and maintain a health-enhancing level of fitness

Personal Fitness

Course Number: 70401
Open to Grades: 9-12
Length of Course: Semester
Credits Earned: 1
Pre-requisite: Intro to Personal Fitness

Students in this course will:

- Demonstrate a knowledge of competence in and an appreciation of strength training/personal fitness/and wellness
- Demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness
- Develop an understanding of various forms of flexibility and its importance to the development of muscular strength and athletic performance
- Understand the major and minor muscle groups and their relationship to various body systems
- Increase agility and flexibility through various drills and activities
- Exhibit responsible personal and social behavior that respects self and others
- Demonstrate safety practices when participating in strength training/personal fitness activities
- Develop and attitude of goal setting and working hard to achieve those goals
- Measure and evaluate personal fitness and wellness through various personal data measurements
- Develop and follow an individualized personal fitness program based on information acquired during the class
- Become familiar with the many methods of training, types of individuals, and the various concepts of personal fitness/wellness that are out there
- Know how to make your training the most beneficial to you and how to make it fun and enjoyable
- Achieve and maintain a health-enhancing level of fitness

Wellness

Course Number: 70510
Open to Grades: 10-12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Design a personal health plan for life that promotes positive life-style health behaviors
- Understand the importance of a drug-free environment and the methods of avoiding and/or quitting drug use
- Understand how individual life-style choices affect oneself and others in regards to personal health and lifetime diseases
- Identify ways in which family, friends, and society influence dietary and nutritional practices
- Identify appropriate health behaviors in regard to human sexuality and chemical use
- Understand and describe the importance of good nutrition and physical fitness
- Demonstrate basic and advanced first-aid skills and feel confident in administering CPR when needed
- Examine their own lifestyle, set individual goals, and make plans to achieve and maintain optimal health
- Learn to promote health for oneself and others by improving the quality of the environment in which they live

Life-Time Sports/Activities

Course Number: 70300
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Understand and apply rules, vocabulary, strategy, etiquette, and history of life-time sports and recreational activities
- Understand and apply practices of injury prevention and safety procedures of life-time sports and recreational activities
- Demonstrate knowledge of career options in physical education and related fields
- Develop an awareness of community and recreational resources available
- Know and demonstrate proper use of survival skills, basic rescue skills, and the use of personal floatation devices
- Value the sense of well-being associated with achieving positive levels of health related physical fitness, personal satisfaction, self-confidence and wellness
- Recognize and develop skills of life-time sports and recreational activities
- Experience the fun and enjoyment of life-time activities on a recreational basis
- Understand and use quality consumer judgment when purchasing or acquiring related goods and services
- Acquire enough knowledge of life-time sports/activities to share with individuals family and friends throughout his/her lifetime

Woman' PE

Course Number: 70120
Open to Grades: 9-12
Length of Course: Semester
Credits Earned: 1

This class is for you if you:

- Are you concerned with the way you look and feel?
- Want to take off a few pounds sensibly.
- Want to benefit from a scheduled activity class that will get you in shape and make you feel better.
- Are not really interested in the team or individual sports classes anymore.
- Are tired of the competitive nature of other physical education classes.
- Want credit for doing something good for yourself!
- Want Nutrition and Fitness Education.
- Want workouts in the fitness center.
- Want alternative exercise programs like Pilates, Aerobics, Exercise Balls, Tae Bo, Yoga, DDR and others as interest suggests.

CIS: Fitness Walking

Course Number: TP901
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (CLC) / Credits Earned: 2
Broadcasting: Northland High School
This course is offered during "0" hour - 7:30 - 8:20 a.m. - You will have to provide your own transportation.

Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5
Testing – must take Accuplacer Reading and Math tests, no score requirement.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This class will be used as a way of improving cardiovascular fitness through walking. Students will begin at current fitness levels and work to improve fitness levels through the use of logs, pedometers, and monitoring heart rate. When the weather permits, we will be walking outside, otherwise we will walk inside.

Health Career Exploration

Course Number: TP1400
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 2
Length of Course: Semester (ICC) / Credits Earned: 4
This is not a weighted course.

This course will focus on basic skills needed for working in any healthcare setting and is the first educational step to many health professions. Various health care careers will be explored including: Physical Therapy, Respiratory Therapy, Lab, X-Ray, Ultrasound, Physician, Nursing, Nurse Practitioner, Physician Assistant, and Pharmacy.

This course covers (4) ICC courses in one semester including:

Health Care Core Curriculum 1:
This portion provides an introduction to different types if health care careers with a focus on skills and knowledge in the following areas: communication, safety, infection control, and the role of the universal worker. Topics covered may include: scope of practices, types of certifications and licensure available or required for health care professionals, behaviors for success, the roles of the universal health care worker, universal precautions and safety and ethical/legal aspects of the field.

Career Exploration:
Students will learn about the wide range of health care systems, where health care is provided and aspects for each health care career track. Course will include field trips to health care facilities and exposure to a number of speakers. Students may also have the opportunity to shadow and interact with a variety of health care providers.

Health Care Core Curriculum 2:
Students learn more information about different health care professions. Topics include health care systems, nursing homes, group homes, assisted living, hospitals, clinics, medical records, and disease processes.

Medical Terminology:
This portion focuses on terminology related to the body system, disease process, and body function.

Nursing Assistance/Home Health Aid

Course Number: 70601
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (ICC) / Credits Earned 3
This is not a weighted course.

CPR for Health Care Providers: This course will include the study of techniques of CPR/AED for the infant, child, and adult. Students will learn the basics of emergency resuscitation with the emphasis on developing the skill set to perform CPR effectively and safely with differing populations. Upon successful completion of the skill and written examinations, the students will receive a CPR/AED card from the American Red Cross.

Nursing Assistant: This course prepares students for practice at the Nursing Assistant level and is an introduction to the field of nursing. This course covers basic nursing skills, psycho-social needs, resident' rights, communication, and body mechanics. Upon successful completion, students are eligible to take a written and skill competency exam, which is federally required to work as a Certified Nursing Assistant. Additional attendance requirements may be imposed.

Mathematics

All Mathematics courses require the signature of your current math teacher. Course numbers are not included to ensure that a conversation occurs for best placement.

Functions

Course Number: Open to Grade: 10 (11-12) Length of Course: Semester Credits Earned: 1

Students in this course will study:

- The proportions of functions and how to recognize them and use proper function notation, evaluate a function for a given point, and identify their domain and range
- Linear functions including solving equations and inequalities, slope-intercept, standard form and point-slope form of the linear equation, graphing and using linear functions
- Absolute value including solving and graphing on a number line as well as the absolute value function
- Systems of equations and solving and graphing, substitution, and elimination
- Rules of positive exponents

Algebra Fundamentals A

Course Number: Open to Grade: 10 Length of Course: Semester Credits Earned: 1

Students in this course will study:

- The proportions of function and how to recognize them and use proper function notation, evaluate a function for a given point, and identify their domain and range
- Linear functions including solving equations and inequalities, slope-intercept, standard form and point-slope form of the linear equation, graphing and using linear functions

Algebra Fundamentals B

Course Number: Open to Grade: 10 Length of Course: Semester Credits Earned: 1

Students in this course will study

- Absolute value including solving and graphing on a number line as well as the absolute value function
- Systems of equations and solving by graphing, substitution, and elimination
- Rules of positive exponents

Statistics and Probability

Course Number:
Open to Grades: 10 (11, 12)
Length of Course: Semester
Credits Earned: 1

Students in this course will study:

- Calculating and using percentages, rates, ratios, and proportions
- Measure of central tendencies including mean, median, mode, range, quartiles, and IQR
- Data displays and graphs including box and whisker, stem and leaf, line graphs, circle graphs, bar graphs, and histograms
- Surveys and misleading statistics
- Simple and compound probability and counting procedures including the multiplication counting principal, using factoral and permutations and combinations
- Normal distribution and the normal curve including calculating and using standard deviation and variance and estimating population percentages
- Scatter plots and lines of best fit

CIS: Elementary Statistics

Itasca Community College
Course Number:
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 2
Length of Course: Semester (ICC) / Credits Earned: 4
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing –Accuplacer College Math 50+ OR ACT Math 22.
Course Pre-Requisite: none.
This course includes the study of descriptive statistics, probability, normal and binomial distributions, hypothesis testing, chi-square methods, estimation and sample sizes, correlation and regression, and analysis of variance.

Applied Math

Course Number:
Open to Grades 11, 12
Length of Course: Yearlong (HS) / Credits Earned: 2
Length of Course: Yearlong (ICC) / Credits Earned: 3
This class will be co-taught by a mathematics teacher and a vocational teacher.

Problem solving, measurement, special relationships in right triangles, transformations, geometric applications, functions, and statistical methods for estimation and prediction are the topics to be studied and applied to various technology fields. Appropriate technologies and projects will be used regularly for instruction and assessment.

Geometry

Course Number:
Open to Grades: 9, 10 (11-12)
Length of Course: Yearlong
Credits Earned: 2

Students in this course will:

- Understand and identify terms, point, line and plane and use them to define segment, ray, angle and the other geometric terms.
- Investigate and use proofs to build a geometry background. They will study and use the basics of mathematical logic.
- Use investigations to define polygons and their qualities. They will investigate, identify and compare special polygons such as quadrilaterals and triangles.
- Study and use the basic congruencies particular to triangles such as SSS, SAS, and ASA. They will use examples and proofs to investigate triangle congruencies.
- Identify and use formulas for perimeter and area of traditional types of polygons.
- Draw basic three-dimensional shapes. They will identify the relationships of points, lines and planes in three-dimensions. They will calculate volume and surface area of basic geometric shapes.
- Use compasses and straight edges to perform geometric constructions.
- Use properties of proportions and scale factors to solve problems involving similar polygons.
- Define and use circles and their parts, including chords, arcs, tangents and secants.
- Develop the tangent ratio using right triangles and use charts to calculate tangents and angles. They will explore sine and cosine and use them to solve problems.

Algebra II

Course Number:
Open to grades: 10-12
Length of Course: Yearlong
Credits Earned: 2
Pre-Requisite: Geometry

Students in this course will:

- Demonstrate an understanding of data and linear representations by graphing, interpreting, and using and applying algebraic expressions.
- Develop a working knowledge of mathematical operations and the use of functions.
- Learn several methods to solve systems of linear equations and inequalities and their applications.
- Be able to use matrices to represent data and develop an understanding of matrix operations.
- Understand and use quadratic functions including the quadratic formula.
- Develop an understanding and the use of exponential and logarithmic functions.
- Have a working knowledge of polynomial operations and an understanding of their graphs.
- Become proficient in the use rational and radical functions.
- Develop an understanding of counting principles and probability including permutations, combinations, and independent and dependent events.
- Develop an understanding of statistics including measures of central tendencies, their graphs, and binomial and normal distributions.
- Become proficient in the use of right triangle trigonometry.
- Understand and apply the Laws of Sines and Cosines.

College Algebra Prep

Course Number:
Open to grades: 10-12
Length of Course: Yearlong
Credits Earned: 2
Prerequisite: Algebra II

This course will be an intensive review of Algebra 1, Geometry, and Algebra 2 as it focuses on getting prepared for a college math placement test. The goal of the class is to have all students proficient enough to place into college algebra (a credit-bearing class) upon taking a placement test. There will also be a focus on ACT practice as well as ACCUPLACER practice.

Intermediate Algebra

Course Number:
Open to grades: 11-12
Length of Course: Semester
Credits Earned: 1
Pre-Requisite: Algebra II

This course will review many introductory algebra topics as well as introduce some new topics in algebra. Topics taught in this course include: linear equations, linear inequalities, equations of lines, graphing, exponents, polynomials, factoring, systems of equations, quadratic equations, rational expressions and equations, complex numbers, radicals, absolute value equations and inequalities, and functions, Additional topics may also be covered.

CIS: College Algebra

Itasca Community College
Course Number:
Open to Grades: 11-12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (ICC) / Credits Earned: 3

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing –Accuplacer College Math 50+ OR ACT Math 22.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course covers functions (polynomial, rational, exponential, and logarithmic), their graphs, and using them as models to analyze real applications.

CIS: Pre-Calculus

Itasca Community College
Course Number:
Open to grades: 11-12
Length of Course: Semester (HS) / Credits Earned: 2
Length of Course: Semester (ICC) / Credits Earned: 4

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing –Accuplacer College Math 50+ OR ACT Math 22.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course covers functions (polynomial, rational, exponential, trigonometric, and logarithmic), their graphs, and using them as models to analyze real applications.

CIS: Calculus

Itasca Community College
Course Number:
Open to grades: 11-12
Length of Course: Semester (HS) / Credits Earned:2
Length of Course: Semester (ICC) / Credits Earned: 4
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing –Accuplacer College Math 103+.
Course Pre-Requisite: If students do not test directly into Calculus, Pre-Calculus with a grade of C- or higher, must have taken Pre-Calculus for college credit to receive college credit for Calculus.

This course covers limits, derivatives, and integrals of algebraic and trigonometric functions, and applications of the derivatives of these functions. is a college level math course.

Science

General Biology

Course Number: 30091 & 30092
Open to Grades: 10 (11-12)
Length of Course: Yearlong
Credits Earned: 2

This is a general biology course; topics will be covered at a moderate pace.

Students in this course will:

- Describe the basic characteristics of living organisms
- Describe the basic cell structure and function
- Classify living organisms into kingdoms using traits
- Describe plant systems and functions
- Describe cell reproduction
- Describe animal and plant reproduction and function
- Be familiar with the theories regarding how organisms change overtime
- Understand patterns of inheritance
- Demonstrate the basic principles of ecology

Honors Biology

Course Number: 30191 & 30192
Open to Grades: 10 (11-12)
Length of Course: Yearlong
Credits Earned: 2

This course requires the recommending teacher to sign the student's registration sheet.

This is an advanced course in biology. Content will move at a more rapid pace and will include more detailed information.
The students in this course will:

- Construct models demonstrating cellular structure and function
- Describe the process of inheritance of traits from one parent generation to the next
- Describe organisms' changes over time
- Classify simple organisms based on shared traits
- Describe the structure and function of plants, as well as plant reproduction and development
- Describe the structure and function of animals, as well as animal reproduction and development
- Make decisions based on principles of ecology

General Physical Science

Course Number: 30211 & 30212
Open to Grades: 9 (10-12)
Length of Course: Yearlong
Credits Earned: 2

Students in this course will:

- Understand the nature of matter including its forms, properties and interactions.
- Conduct experiments demonstrating chemical and physical changes.
- Describe the atomic structure and become familiar with the families of the periodic table
- Design and evaluate the relationship between energy, work, efficiency, and power of simple machines through lab actives.
- Understand the forces of nature and their application.
- Develop an understanding of and apply the scientific method in problem solving.

Honors Physical Science

Course Number: 30311 & 30312
Open to Grades: 9, 10, 11, 12
Length of Course: Yearlong
Credits Earned: 2

This course requires the recommending teacher to sign the student's registration sheet.

Students in this course will:

- Understand the nature of matter including its forms, properties and interactions.
- Conduct experiments demonstrating chemical and physical changes.
- Describe the atomic structure and become familiar with the families of the periodic table
- Design and evaluate the relationship between energy, work, efficiency, and power of simple machines through lab actives.
- Understand the forces of nature and their application.
- Develop an understanding of and apply the scientific method in problem solving.

CIS: Chemistry

Itasca Community College
Course Number: 30401 & 30402
Open to Grades: 11, 12
Length of Course: Yearlong (HS) / Credits Earned: 2
Length of Course: Semester (ICC) / Credits Earned: 4

This course requires the recommending teacher to sign the student's registration sheet.

Requirements for receiving college credit in this course:
Application and AccepatnGPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 78+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none, completion of Algebra II highly recommended.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course is an elementary descriptive study of the fundamental facts, laws, and theory of chemistry ranging from general chemistry through organic and biochemistry. There is an emphasis on the relationship of chemistry to life in our modern technological society. Measurements and the unit-conversion method of solving chemistry problems are also stressed.

Chemistry in the Community

Course Number: 30405 & 30406
Open to Grades: 11, 12
Length of Course: Yearlong
Credits Earned: 2

Chemistry class geared for students that need to fulfill Minnesota Science standards requirement that all students graduating in the year 2015 and beyond need to have one year of chemistry or physics. This class is a first-year high school chemistry class that covers concepts in the context of societal issues. The class emphasizes

- organic chemistry,
- biochemistry,
- environmental chemistry, and
- industrial chemistry

Students learn concepts on a need-to-know basis, evaluate data, and make decisions based on their knowledge and observations. This lab-based course features activities that give students practice in applying their knowledge of chemistry.

General Physics

Course Number: TP301
Open to Grades: 11-12
Length of Course: Yearlong
Credits Earned: 2
Broadcasting School: Grand Rapids
Prerequisites: Physical Science and Biology

This course strives to give students a "practical" understanding of how the world works around them. Specific topics include kinemetrics, forces, energy, fluids, thermodynamics, waves, electricity and magnetism.

Astronomy

Course Number: 30601
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1
Prerequisite: Physical Science & Biology or concurrent enrollment in Biology & Astronomy

Students in this course will:

- Understand the size and scale of our solar system and galaxy.
- Identify common constellations found in the night sky and the mythology behind each constellation.
- Observe the lunar cycle and predict future lunar events.
- Identify the significant contributions throughout history to the field of astronomy.
- Learn about Galileo Galilee's house arrest and how his controversial heliocentric view of the solar system changed the course of history.
- Understand stellar evolution and the formation of red giants, neutron starts, and black holes.
- Study the different objects found in our solar system and galaxy.
- Compare the earth with other planets and objects in the solar system.
- Compare and contrast the environmental conditions to make life possible.
- Identify the types of stars and galaxies

Human Anatomy & Physiology

Course Number: 30901
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1
Prerequisite: Biology

Students in this course will:

- Study both microscopic and macroscopic anatomical structures and physiological functions with an emphasis on the human body.
- Use labs and activities.
- Dissect a fetal pig and other organ / tissues.
- Study the muscular, skeletal, digestive, integumentary, nervous, circulatory, and respiratory systems.

Minnesota Biology

Course Number: 30701 Open to Grades: 11, 12 Length of Course: Semester Credits Earned: 1
Prerequisite: Biology
Students in this course will:

- Compare and contrast different ecosystems from around the state.
- Examine the effects of regulated harvesting to unregulated harvesting of game species and natural resources.
- Examine insects and their habitat common to the state.
- Identify trees, plants, and animal species in the state.
- Describe the effects of water to Minnesota including pollution, habitat, and ecology.
- Examine how our geologic past has transformed the state.

Social Studies

U.S. Government

Course Number: 20091
Open to Grades: 9 (10-12)
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Identify and explain the values of Democracy and all of its rights and responsibilities
- Understand the Articles of Confederation
- Understand the basic structure of the Constitution
- Understand the changes that have been made to the Constitution
- Identify the three branches of government and their purpose
- Understand how government pays for itself
- Understand the Concept of Federalism
- Understand the basic structure of state government
- Identify the different forms of local government
- Understand the concept of Citizenship
- Understand the political structure, institutions and political process of the United States
- Identify and understand the differences between Political Parties
- Identify and understand the connections between government and economics
- Understand the relationships between the United States and other Nations
- Compare and Contrast other Forms of government – globally

Geography

Course Number: 20092
Open to Grades: 9 (10-12)
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Understand the application and use of Geospatial technologies, such as GIS, in acquiring data about the earth for human use
- Understand how GIS (Geographic Information Systems) works and it's practical application
- Be able to use GIS in a fundamental way
- Be able to evaluate the earth through a Geographers lens with the 5 Themes of Geography and Site and Situation
- Understand and identify the push and pull factors of why humans move both globally and regionally
- Understand the economic impact and consequences of human migration both globally and regionally
- Be able to read and use demographic data such as population pyramids to ask geographic questions and find the answers
- Understand and explain the impact of Culture on human systems (social, economic, and political)
- Analyze the interconnectedness of the Environment and human activities and the impact one has on the other
- Describe the patterns of how humans use natural resources and how this changes over time and the impact on the environment

American History

Course Number: 20111 & 20112
Open to Grades: 10 (11-12)
Length of Course: Yearlong
Credits Earned: 2

Students in this course will:

- Identify a general chronology of events in American History.
- Develop an understanding and recognize major events that occurred in and throughout American History.
- Demonstrate an understanding of how events in American History are connected.

- Cultivate a respect for human differences such as opinions, race, religious, and political beliefs.
- Develop their democratic perspective.
- Exhibit the knowledge, skills, and commitment needed to contribute in today's society.
- Identify and understand different and contrasting perspectives of historical events and issues.
- Develop and exhibit habits to know and understand current events and how they relate to American History.
- Create a History Day project by researching, analyzing, summarizing, and citing sources, which meets the requirements outlined in the Minnesota Social Studies and English standards.

World History

Course Number: 20211 & 20212
Open to Grades: 11 (12)
Length of Course: Yearlong
Credits Earned: 2

Students in this course will:

- Develop a working definition of history & anthropology and determine the differences among the remaining social sciences
- List the five major cultural revolutions in man's history & describe major social, intellectual, & scientific achievements of each
- Describe the four ancient river civilizations in terms of their social order, intellectual contributions, & certain cultural characteristics
- Describe ancient cultural characteristics
- Describe influences of Medieval Civilization on the modern world
- Demonstrate knowledge of current world issues
- Summarize certain cultural and intellectual advancements & political events which characterize the European Renaissance
- Identify how the industrial revolution has impacted world political organization and economics
- Summarize how the causes and effects of World Wars I and II, Korea, and Vietnam have affected the current world order
- Summarize the role communism has had in determining world political organization and policy
- Be aware of the many changes which have taken place in the new World Order

CIS: World History

Itasca Community College
Course Number: 20213 & 20214
Open to Grades: 11, 12
Length of Course: Yearlong (HS) / Credits Earned: 2
Length of Course: Semester (ICC) / Credits Earned 6 (This is 2 ICC courses.)

Requirements for receiving college credit in this course:
Application and Acceptance to Itasca Community College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 78+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course surveys the history of world civilizations from pre-historic societies up to 1500 during the first semester and surveys the history of world civilizations from 1500 up to the present through politics, economics, and culture during the second semester. This course is technically two college courses and therefore equates to more college credits.

Psychology

Course Number: TP403
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1

Broadcasting School: Northland
Psychology is the study of human behavior and mental processes. It covers what individuals think, feel and do. Specific topics include: methods of psychology, the workings of the brain and brain chemicals, stress and conflict, mental disorders, mental health, human development, developmental stage theory, sleep and dreams, sensation and perception, personality, the process of learning, creativity and intelligence and the social impact of and on relationships. This course will included lively discussion, participation in experiments and setting and achieving learning goals.

Human Geography

Course Number: 20500
Open to Grade: 12
Length of Course: Semester
Credits Earned: 1

World Geography will be taught at a Pre-College level, with very high expectations for the participation and quality work of the students. While a modicum of time will be spent reviewing basic physical geography skills, this course is NOT a physical feature geography course. Instead focusing on Human Geography. ***Participation in class discussions is a requirement.***

Students in this course will:

- Learn and be able to discuss and apply the 5 Themes of Geography
- Be able to understand and create various forms of Maps, such as Political and Physical Feature Maps as well as Mental Maps
- Read, understand and be able to create various charts and graphs as they would apply to the study of Geography
- Understand the impact of Weather and Climate on human development and migration
- Be able to identify physical features and discuss their development and impact upon human development and migration
- Be introduced to World System theories, such as Core, Periphery, Developed & Developing & Underdeveloped Countries, Primate Cities, Urbanization, Globalization, Site & Situation, Immigration/Migration - Push/Pull factors, Distance Decay and Von Thunen, Theories of Population
- Research and develop an understanding of Religion on Globalization and Global Conflict
- Develop an awareness and understanding of Immigration in the United States and its impact on Globalization. Research and discuss the question "Is Immigration Good or Bad for the United States?"
- Research and develop an understanding of the dynamic Asian Continent
- Colonization, Chinese & Japanese expansion (effect on Region), India/ Pakistan, Indonesia (largest Islamic population), China - impact on World in next 10 years, North/South Korea, Religion and conflict
- Research and develop an understanding of the tumultuous African Continent
- Colonization and effect on Country Borders - Conflict, African backsliding, 800 tribes, Desertification, Apartheid
- Research and develop an understanding of the arid and oil rich Middle East
- History of the Region, Conflict between Christianity and Islam and Islam and Judaism, Impact of Oil and climate on region and its impact on the Global Economy.
- Develop an understanding of the European Union and why it was formed and how it has grown.
- Students will be expected to be computer literate, having the necessary skills to perform constructive research both book based and online. In addition, all research papers will be expected to be typed.
- Research, write and present a paper on "The Future".

The Sociology of Sports

Course Number: 20400
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1
Participation in class discussions is a course requirement.

Have a favorite sport? A favorite team? Do you take pride in wearing a sports jersey? Does your family share a passion for certain teams or sports? Why have people participated and followed sports for more than 4000 years? If you are interested in these questions, this class is for you.

Sociology is taught as an introductory course, allowing juniors and seniors to develop an awareness of the field of sociology, with a focus on Sports in society. Emphases will be placed on issues pertinent to young adults.

Students in this course will:

- Learn the history and foundation of Sociology
- Develop an awareness and understanding of the differences between Sociology and Psychology
- Develop an awareness and understanding of the following Sociological Perspectives: Functionalist Perspective, Conflict Perspective and Interactionist Perspective

- Develop an awareness and understanding of culture and the components of culture
- Develop an awareness and understanding of the three levels of culture
- Develop an awareness and understanding of means of Social Control and Change
- Significant time will be spent on analysis of American Culture, it's evolution and impact of the Global Society
- Develop an awareness and understanding of sports and society
- Develop an awareness and understanding of the structure of formal and informal organizations
- Develop an awareness and understanding of the relationship between Economics and Politics
- Develop an awareness and understanding of the impact religion has had on societal and cultural development and as an agent for change
- Grading will be based on class participation in discussions, text work and quizzes.
- Students will be expected to be able to relate their ideas both verbally and in written form and high level.

Economics

Course Number: 20600
Open to Grades: 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Introduce basic Micro and Macro Economic principles and the connections between good business and economic practices
- Today's students will face an increasing variety of important economic decisions in their personal lives and as citizens in a democratic society
- The study of economics enables students to make reasoned judgments about both personal economic questions and broader questions of economic policy in a complex and changing world
- A basic grasp of how markets work and of the tradeoffs involved in trying to meet unlimited wants with limited resources is essential for meaningful democratic dialogue on what government should or should not be doing (concept of scarcity)
- Understand why markets work or fail based on the allocation of resources and efficiency
- Understand the economic principles of the short term versus the long term and how they are applied in economic decision making
- Understand that economic choices are necessary in life and how to make these choices using economic models
- Understand the risks and opportunities associated with entrepreneurship
- Understand and use economic concepts, theories, principles and quantitative methods to analyze current events
- Analyze the causes and consequences of overall economic fluctuations
- Understand the connection between supply and demand and be able to use supply and demand curves to judge economic situations
- Analyze the relationship between buyers and sellers and the exchange of goods and services
- Understand the importance of profit
- Understand basic measures of overall economic performance
- Understand the economic role of government in a free market economy
- Understand the role of labor in the economy
- Understand that firms in a market economy experience varying degrees of competition for the good or service that they sell
- Understand business organizations, market structures, and financial institutions that operate within our economy
- Understand that in a market economy income is earned in different ways
- Understand basic principles of economic decision-making
- Understand the concept of interdependence in relation to producers and consumers
- Understand the relationship between producers and consumers in regard to goods and services
- Be able to use economic principles to their own financial situation in the use of credit
- Be able to use economic principles to their own financial situation in the use of credit, financial planning and investment, acquiring and managing loans and credit cards

Women In History

Course Number: 20700 Open to Grades: 11, 12 Length of Course: Semester Credits Earned: 1

Women who shaped America: 1900-Present

Students will study women in America who shaped the USA from 1900 through the present day. Students will study in-depth information that focuses on the following areas: reformers, politics, medicine, law, civil liberties, business, sports, criminals, show business, military, etc... Students should be prepared to analyze primary sources and secondary sources to draw connections and conclusions.

CIS: The American Economy

Course Number: TP401
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (CLC) / Credits Earned: 3
Broadcasting School: Northland Remer
This course meets the economics graduation requirement.

Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 56+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course is an introduction to and a descriptive survey to the modern American economy. Concentration is on the major forces affecting the economy, with special attention given to the role and responsibility of the federal government. This class is open to CIS students only.

CIS: American Gov't & Politics

Course Number: TP402
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (CLC) / Credits Earned: 3
Broadcasting School: Northland Remer
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 56+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.

This course primarily is a study of the individual in relation to government. It examines the actors and institutions of contemporary American government and politics. Topics of study include American political thought, the Constitution, federalism, public opinion, interest groups, political parties, campaigns and elections, the mass media, Congress, the President, the bureaucracy, and the Judiciary. There is special emphasis on citizen participation. The emphasis will be on political parties and the changing relationships between voters and political parties. The course will survey the influences at work today on political parties – public opinion, interest groups, and polling and voting behavior. Campaign organizations and how campaigns are financed will be studied, as well as American political cultures and ideologies, and the impact of the media on elections. The course will include the chapters on the Congress and the Presidency, but the emphasis will be on citizen participation, and also the relationship of campaigns and political parties to the changes taking place in these two institutions of American government. This course will include readings of media articles on the presidential campaign and the elections for the U.S. Congress and news articles on the results of the mid-term campaigns and elections. This course is open to CIS students only.

CIS: U.S. History to 1865

Course Number: TP406
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (CLC) / Credits Earned: 3
Broadcasting School: Nashwauk

Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 56+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This course will acquaint students with the basic chronological narrative and themes of America's past from native North America through the Civil War. Social, political, economic and cultural developments will be covered. A multi-cultural perspective will be incorporated in to the course; taking into account those Americans denied access to positions of political and economic power in the past. Analytical skills focusing on reading, writing, and the use of primary documents will be emphasized.

CIS: U.S. History Since 1865

Course Number: TP406
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (CLC) / Credits Earned: 3
Broadcasting School: Nashwauk
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

Requirements for receiving college credit in this course:
Application and Acceptance to Central Lakes College
GPA – 3.0 for Juniors, 2.5 for Seniors.
Testing – Accuplacer Reading 56+ OR ACT English 18, Reading 21.
Course Pre-Requisite: none.

This course will survey the history of the American people since Reconstruction. Social, political, economic, and cultural developments will be covered. A multi-cultural perspective will be incorporated into the course, taking into account those Americans denied access to positions of political and economic power in the past. Analytical skills focusing on reading, writing, and use of primary documents will be emphasized.

Contemporary Ethics and Morality

Course Number: TP40259
Open to Grades: 11-12
Length of Course: Semester
Credits Earned: 1
Broadcasting School: Greenway
Students wishing to take this course for high school credit only must have the permission of the instructor and the approval of the department.

This discussion and project based course examines moral and ethical questions that arise in the course of day-to-day individual and social life. This course will address some of life's biggest questions, and emphasis will be on a practical, everyday issues. Examples of issues to be examined may include the role of social media, television and advertising, marriage and family life, abortion, crime and violence, drug and alcohol use, the role of Religion in public life, racism/discrimination, social class concerns, access to health care and social well-being, American public education and material culture, greed, and corporate responsibility.

Technical Education

Intro to Industrial Tech

Course Number: 60090
Open to Grades: 9, 10
Length of Course: Semester
Credits Earned: 1
*Previously 9th Grade Tech

Students in this course will:

- Design and build a variety of projects.
- Illustrate how energy and power can be transmitted from point to point
- Examine how energy usage has affected our lives.
- Conduct research and development activities in areas of aerodynamics, vehicle design, and propulsion
- Experiment with gears to demonstrate speed reduction, torque, and power transmission
- Propose designs, ideas, alternatives, and solutions through presentation of prototypes

Woodworking

Course Number: 60200
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

There will be a $15.00 fee charged to cover the cost of supplies.*

Students in the course will:

- Demonstrate safe use of hand and power tools
- Select the right amount and proper materials for a project
- Select a variety of methods for construction of a piece of furniture
- Select and apply a variety of finishes to a project
- Build a bent shaft paddle and an heirloom oak stool plus projects of their choice.

Advanced Woodworking

Course Number: 60300
Open to Grades 11-12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (Mesabi Range) / Credits Earned: 3
Prerequisite: Woodworking
This is not a weighted course.

There will be a $15.00 fee charged to cover the cost of supplies*

Students in this course will:

- Understand safety in the woodshop in order to work safely and complete a project
- Advance there skills in furniture making
- Follow directions from an advanced furniture plan in order to complete a required project
- Design and research a plan in order to complete a final project

Carpentry

Course Number: 60403 & 60404
Open to Grades: 11-12
Length of Course: Semester 1 - **2 hour block** (HS) / Credits Earned: 2
Length of Course: Semester (Mesabi Range) / Credits Earned: 3
Pre-Requisite: Woodworking
This is not a weighted course.
There will be a $15.00 fee charged to cover the cost of supplies*

Students in this course will:

- Identify and interpret symbols from a house blueprint
- Estimate building materials for a garage
- Safely operate hand and power tools
- Do floor, wall and roof framing
- Apply finish material to complete sheds and a sauna
- Identify leadership qualities
- Student in grades will receive a safety credit and a cabinet making credit from Eveleth Technical College upon completion of this course.

Women's' Shop and Design

Course Number: 60900
Open to Grades: 9-12
Length of Course: Semester
Credits Earned: 1

This course is for the novice woodworker that would still like to make awesome projects for around the home. We will be focusing on attention to detail and making real quality projects in a female only class setting. The course covers machine and tool safety, along with design styles and refinishing. Start getting your (Pinterest) ideas ready. Class projects may include hope chest, jewelry box, wood burned plaques, frames, and many others.

Ojibwe Woodworking

Course Number: 50307
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

In this course we will be focusing on traditional Ojibwe projects. Projects may include birch bark containers, ricing sticks, cedar paddles, decoys, and game accessories. We will have ample time to work with the tools and material used in their construction along with using basic Ojibwe language. Experts in the construction of these projects will be coming into our school to share their knowledge. Field trips may be used to gather materials and enhance student knowledge in project areas. Come join us in the woodshop for this unique hands on experience.

Small Gas Engines

Course Number: 60500
Open to Grades: 9-12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Practice sound safety practices in conducting power activities
- Develop problem solving skills
- Identify the external and internal parts of small engines
- Identify the different types of engines that are in use today
- Operate the tools and the machines that are needed to make repairs to power engines

Auto Mechanics

Course Number 60603 & 60604
Open to Grades: 11, 12
Length of Course: Yearlong
Credits Earned: 2
Prerequisite: Small Gas Engines preferred, but not required.

Students in this course will:

- Understand the principles of the internal combustion engine
- Identify types and grades of fasteners
- Develop problem solving skills
- Use instruments to measure and interpret data in the area of mechanics
- Illustrate and explain how power can be transmitted
- Use mathematical formulas to calculate mechanical power values
- Identify the parts and systems of the modern vehicle
- Make repairs that are consistent to manufactures repairs specs

Welding

Course Number: 60700
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

Students in this course will:

- Demonstrate sound safety practices while conducting welding activities
- Analyze differences between welding processes
- Develop an awareness of basic forms of welding joints
- Use basic tools and machines consistent to the welding trades
- Identify different types of weldable materials

Welding II

Course Number: 60701
Open to Grades: 11-12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (Mesabi Range) / Credits Earned: 3
Prerequisite: Welding
This is not a weighted course.

Students in this course will:

- Learn more advanced welds from the Welding I class
- Perform all arc welds on ½" flat steel along with pipe welding
- Oxy-acetylene welders will perform all welds on 1/8" flat strap metal, along with pipe welds
- Obtain college credit from Mesabi Range Technical College in Virginia, MN if they complete the course with a certain letter grade obtained. The welds will also be put through a bend test and sent off to Mesabi Range for grading from their instructors. Students from Deer River will be able to bypass some credits from Mesabi Range by completing this course if they are to go on to a career in welding.

Know Your Car

Course Number: 60501
Open to Grades: 10, 11, 12
Length of Course: Semester
Credits Earned: 1

This course is focused on providing students with a basic consumer level knowledge of the automobile. Students will learn and practice basic automotive repairs on real vehicles. Students will learn about and perform basic maintenance, road-side emergency repairs, common problems, basic under hood repairs, consumer purchasing choices, mechanical language, checking fluid levels, and auto care and cleaning. Students will demonstrate safe working habits and exhibit classroom work habits and ethics consistent with occupational standards. Information will be presented through lecture, demonstration, online text, and service manuals.

DROBA

Course Number: 60800
Open to Grades: 9-12
Length of Course: Semester 1 - This course will be offered 7th hour.
Credits Earned: 1

This course combines the excitement of sport with the rigors of science and technology. We are presenting a challenge to students to work under strict guidelines, with limited resources, and time limits to compete in the First Robotics challenge. You will be working as a team to tackle challenges in fundraising, design, fabrication, and testing. We will be requiring the class to enter the First Robotics competition. Areas of study include: electricity, pneumatics, drive trains, simple machines, linear actuators, motors, labview programming, solidworks, safety, and teamwork.

Adobe Photoshop & Digital Photography

Course Number: 80200
Open to Grades: 11, 12
Length of Course: Semester
Credits Earned: 1

This course is intended to help students experience a small piece of the complex program Adobe Photoshop. Photoshop is the professional standard in desktop digital imaging and web design. Students will become better prepared in computer-related subjects and have fun making projects that would make many stop and take notice. Students will enhance their skills in web design, multimedia projects, marketing and advertising by adding stunning graphics in these units of study. This is a program you can use for the rest of your life. The students will have an opportunity to create a variety of graphical designs through guided and independent practices. Individual and group projects will be assigned as well. In addition, discussions and participation questions will be utilized on the topics of graphic design through Schoology. Good typing, communication, and organizational skills are recommended.

Fundamentals of Solid Modeling

Course Number: 51500
Open to Grades: 11, 12
Length of Course: Semester (HS) / Credits Earned: 1
Length of Course: Semester (ICC) / Credits Earned: 3
Prerequisite: Intro. to Industrial Tech or with instructor approval.
This is not a weighted course.

Have you ever had an idea or invention you wanted to build, but didn't know where to start? Would you like to work with today's state of the art equipment and software? If so, this course is for you! this course introduces the fundamentals of graphical communication for design and manufacturing with modern software and equipment. Topics include: basic 3D geometry construction, drawings, assemblies, parametric modeling, and geometric dimensioning and tolerancing. We will be training students on 3D printer use and CNC machining.

This course is required for an Engineering degree.

Introduction to Agriculture Science

Course Number: 09102
Open to Grades: 9-12
Length of Course: Semester (HS) / Credits Earned: 1

This class is the foundation class in AgSci We will touch on many different fields in this class exposing students to numerous areas they may want to explore in academics or career fields in the future. Competition in each of these may be available as well as hands on labs in the following areas Fish & Wildlife, Floriculture, Forestry, Large and Small Animal, Nursery Landscape, Agronomy, soils, Business and Sales, Mechanics , Foods, and Parliamentary procedure leadership.

Small and Large Wildlife Management

This course may earn a Science elective credit.
Course Number: 60100
Open to Grades: 9-12
Length of Course: Semester (HS) / Credits Earned: 1

In this course you will be looking at the large animal biological, ecological and economic impact of large and small game animals. Develop your own management plan for animals of your choice as well as examine Minnesota game laws and understand DNR management programs. You may also be certified and enrolled in "Advanced Hunter Education" course through the MN DNR. In the Small animal portion the course is designed to Identification of numerous species as well as habitat and wetland management for each. A unit on hands on taxidermy will also be offered.

Small and Large Animal Veterinary Science

This course may earn a Science elective credit.
Course Number: 60101
Open to Grades: 9-12
Length of Course: Semester (HS) / Credits Earned: 1

This course is designed for student interested in basic fundamentals of veterinary animal science in areas of production, feeding and nutrition, reproductive physiology, health, management, and marketing of major and minor species of domestic large and small animals. Hands on labs as well as exposure to first aid, disease identification, and animal recovery will be covered as well.

Introduction to Natural Resources

Course Number: 31000
Open to Grades: 11-12
Length of Course: Semester
Credits Earned: 1
Prerequisite: Biology

Over the course of the semester, you will:

- Learn how to identify trees commonly found in our area.
- Understand forest ecology and its importance to fish and wildlife management.
- Learn the principles of forest inventory and sustainable forest management.
- Understand fire management and its role in plant and animal communities.
- Learn how to use GIS & GPS technology as it relates to natural resource inventory and management.
- Understand the history and evolution of natural resource use in Minnesota and the United States.
- Learn basic orientation techniques and land measuring techniques.
- Understand the role of disturbances in altering the natural landscape.

If you are interested in a natural resources related career, this course is a great place to start!

World Languages

Spanish I

Course Number: 50003 & 50004
Open to Grades: 9-12
Length of Course: Yearlong
Credits Earned: 2
Prerequisite: 9th grade students must have a "C" or better in English 8.

Students in this course will:

- Spanish 1 gives students a basic understanding of the Spanish language through listening, speaking, reading and writing instruction.
- The course also provides an understanding of the civilization, culture, and customs of Spanish-speaking people.
- This course covers only the grammar and structure absolutely necessary for speaking.
- The course is intended for students with no previous knowledge of the Spanish language.

Spanish II

Course Number: 50103 & 50104
Open to Grades: 10-12
Length of Course: Yearlong
Credits Earned: 2
Prerequisite: Spanish I passed with a 73%

Students in this course will:

- In Spanish II there will be a greater emphasis on the students speaking ability.
- This course furthers the knowledge of students' language skills through review of the fundamentals of Spanish structure, further grammar and vocabulary study, and by emphasizing oral reading comprehension and self-expression in speaking and writing.
- The course also expands students' understanding of the civilization, culture, and customs of Spanish-speaking people.

Spanish III

Course Number: 50203 & 50204
Open to Grades: 11, 12
Length of Course: Yearlong
Credits Earned: 2
Prerequisite: Spanish II passed with a 73%

Students in this course will:

- In level III Spanish, students continue to develop their proficiency in speaking, listening and writing: interacting with other speakers of Spanish; understanding oral and written messages in Spanish, and making oral and written presentations in the target language.
- Students communicate on a variety of topics using complex structures, moving from concrete to more abstract concepts.
- They comprehend the main ideas of authentic materials that they read and hear, and are able to identify significant details when the topics are familiar.
- Spanish is used much more in the class as students develop the ability to discuss topics related to historical and contemporary events and issues.

Introduction to the Spanish Speaking World

Course Number: 50001
Open to Grades: 9-12
Length of Course: Semester
Credits Earned: 1

What is the difference between a siesta and a fiesta?

In Introduction to the Spanish Speaking World we will learn the answer to that and examine Spanish and Latin American Cultures and Civilizations, emphasizing specific topics that contributed to their culture. This course aims to present a general view of the Spanish and Latin American cultures and civilizations with readings, lectures and cultural activities – such as music, art, language and cooking. Through their civilization we will understand cultural aspects, political issues and traditions that build the history and society of today's Spain, Central and South America.

Ojibwe History and Culture

Course Number: 50306
Open to Grades: 9-12
Length of Course: Semester
Credits Earned: 1

Upon completing this course, the students should:

- Have developed an appreciation for the diversity and importance of Ojibwe cultural practices
- Recognize the interconnections between history, culture and society
- Be able to explain the difference between culture and religion
- Be able to explain the difference between tribes governance and the state and federal governments
- Be able to describe the differences between oral traditions and history
- Know some linguistics terminology and some basic phrases in Ojibwe
- Be able to describe the current Leech Lake/ MCT political process
- Be familiar with the U.S. and Chippewa Treaties
- Be familiar with federal and state legislation
- Understand pre- and post-colonial affects on Ojibwe
- Be familiar with woodland art
- Be conversant about woodland cultures
- Be knowledgeable about the land of northern Minnesota

Ojibwe I

Course Number: 50301 & 50302
Open to Grades: 9-12
Length of Course: Yearlong
Credits Earned: 2
Broadcasting School: Northland Remer
Prerequisite: Ojibwe History & Culture

Students in this course will:

- Know the double vowels of Ojibwemowin.
- Learn how to speak and pronounce basic phrases.
- Be taught how to manipulate the language in ways they may use among peers, relatives, and classmates.
- Be encouraged to teach what they have learned to help them master their Ojibwe skills.
- Use technology to enhance language skills.

Ojibwe II

Course Number: 50303 & 50304
Open to Grades: 10-12
Length of Course: Yearlong
Credits Earned: 2
Broadcasting School: Northland Remer
Pre-Requisite: Ojibwe I

Upon completing this course, the students should:

- Have more knowledge of the Ojibwe language.
- Understand grammar rules in a local dialect.
- Use the double vowel system.
- Understand sentence structure.
- Use advanced grammar skills.
- Develop complex sentences.