



ALEXANDRIA AREA HIGH SCHOOL

2024-25 Course Catalog

*Registration information for
students entering Grades 9-12*



Vision

"Our vision is to be an extraordinary school district that tailors learning for all, by working together."

SCHOOL BOARD MEMBERS

Angie Krebs, Chair
Dave Anderson, Vice Chair
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BCE Academy



Carrie Urness,
Counselor
HSHS Academy

"Our mission is to achieve educational excellence and to inspire a life-long passion for learning."

Mission

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CONTRIBUTING PHOTOGRAPHER:
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General Information

SCHOOL START/END TIME REGULAR SCHOOL DAYS

A Day	B Day		
Period 1	Period 5	8:25-9:52	
Period 2	Period 6	9:59-11:26	
Period 3	Period 7	11:33-1:31	Class Time
1 st Lunch	1 st Lunch	11:26-11:56	12:03-1:31
2 nd Lunch	2 nd Lunch	12:15-12:45	11:33-12:19 & 12:50-1:31
3 rd Lunch	3 rd Lunch	1:01-1:31	11:33-1:01
Period 4	Period 8	1:38-3:05	

SCHEDULE

AAHS is on a 4-period A/B alternating block schedule. The school day is divided into 4 class periods approximately 85 minutes each. Extended class periods support rigorous core curriculum in the areas of English, math, science and social studies while providing teachers more time to use a variety of techniques allowing for more student engagement and authentic learning. The 4-period day model also provides increased opportunities for students to explore electives.

*There are additional schedules for a 2-hour late start and 60 min AAA Advisory. Students will be notified when these days occur.

SAMPLE SCHEDULE KEY

Black = Core Curriculum Coursework

Red = Academy or Global Elective Options

AAA ADVISORY/OPTIONS HOUR DAYS

A Day	B Day		
Period 1	Period 5	8:25-9:41	
AAA/ Options	AAA/ Options	9:49-10:29	
Period 2	Period 6	10:36-11:52	
Period 3	Period 7	11:59-1:41	Class Time
1 st Lunch	1 st Lunch	11:52-12:22	12:27-1:41
2 nd Lunch	2 nd Lunch	12:36-1:06	11:59-12:36 & 1:11-1:41
3 rd Lunch	3 rd Lunch	1:11-1:41	11:59-1:11
Period 4	Period 8	1:48-3:05	



9TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

Period	A Day	Period	B Day
1	English 9	5	Integrated Science
2	Social Studies 9	6	Intermediate Algebra
3	*Arts	7	Health or Physical Education
4	Elective	8	Elective

10TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

Period	A Day	Period	B Day
1	English 10	5	Biology
2	World History I	6	Geometry
3	*Arts	7	Elective
4	Elective	8	Elective or Study Block

11TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

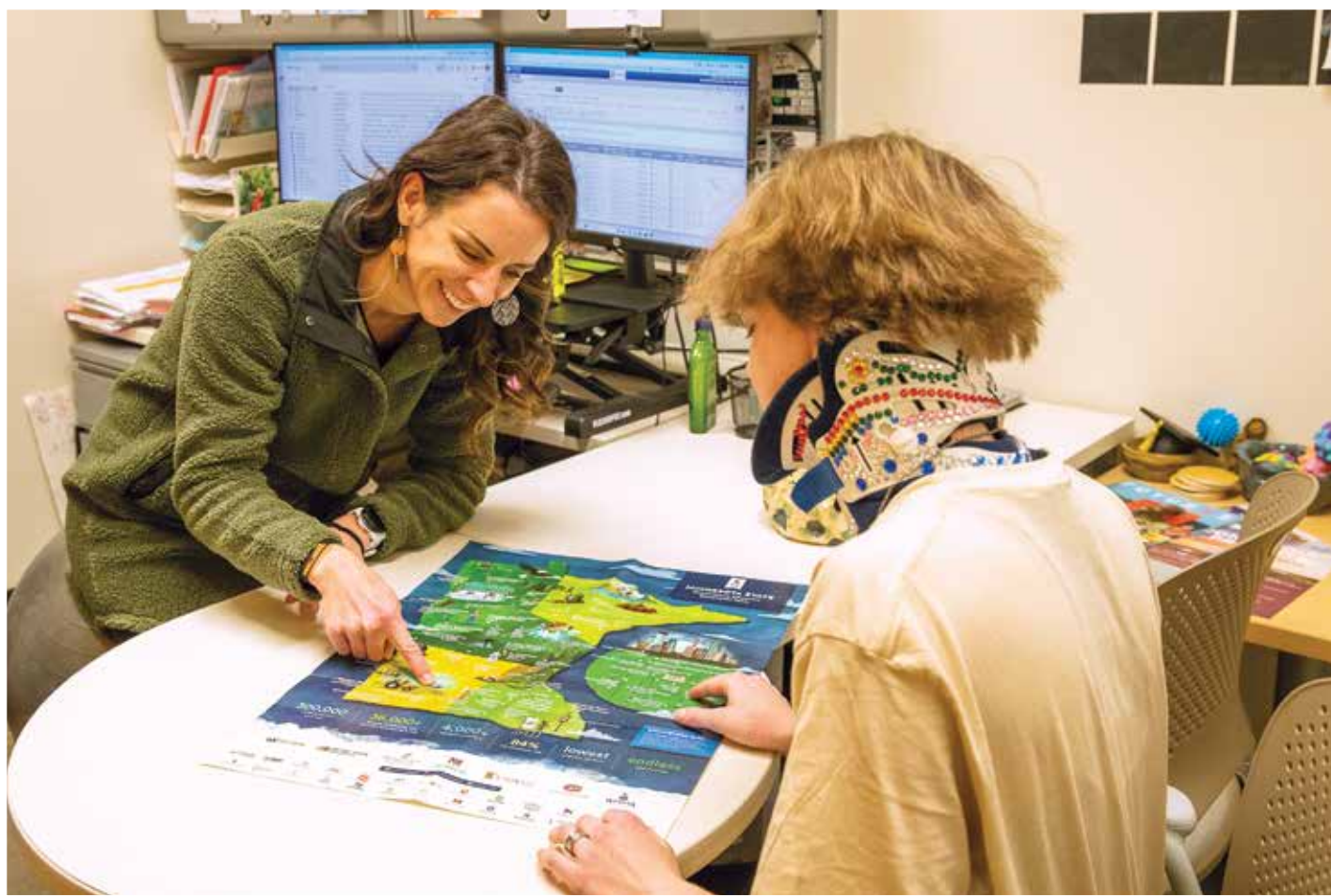
Period	A Day	Period	B Day
1	English 11	5	Chemistry or Physics
2	US History	6	Advanced Algebra
3	Elective	7	Elective
4	Elective	8	Elective or Study Block

12TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

Period	A Day	Period	B Day
1	English 12	5	Government or Economics
2	Elective	6	Elective
3	Elective	7	Elective
4	Elective	8	Elective or Study Block

There are multiple levels of coursework available to meet credit requirements for graduation, ranging from regular to honors to college to AP coursework.

* Arts requirements may be taken any semester grade 9-12.



REGISTRATION GUIDELINES

ONCE SELECTED, A COURSE IS TO BE CONTINUED FOR ITS DURATION.

When registering, it is important for students to carefully plan their academic program – including alternates – to coincide with future plans, interests, aptitudes, and special abilities. Students should not sign up for a course with the intent of trying it out, and dropping it if it is not what they like. Discuss your program with your parents, teachers, counselor, and advisor.

- Make sure you meet the prerequisites (indicated in course descriptions by “Prerequisite”).
- All students must register for at least eight periods each semester.
- It is very likely that **any** of a student’s alternates will become part of his/her permanent schedule; students should put the same thought into planning all course requests, **including alternates!**

COURSE DROP/CHANGE POLICY

Course offerings and teacher staffing for AAHS is determined by initial student registration. Solid rationale is required in order to make a schedule change. After the first week of each semester, a student’s schedule is considered a contract between the student and the school district.

SCHEDULE CHANGES SHOULD BE LIMITED TO THE FOLLOWING SITUATIONS:

- a student is not scheduled for a course she or he originally requested.
- a student has an incomplete schedule, and needs to add a course.
- a student doesn’t meet the requirements for a course for which she or he is presently enrolled.
- a student needs to schedule / reschedule a required course for graduation.
- a student wishes to drop a study block to add a course.
- a student needs to schedule a course that is required or recommended for admission to a specific postsecondary school or program.
- a student is recommended by his or her teacher to move from one level to another within the same discipline (Advanced Algebra to Honors Advanced Algebra or vice versa).
- the change is a recommendation on a student’s IEP or 504 Plan.

ALL APPROVED SCHEDULE CHANGES MUST BE PROCESSED THROUGH THE COLLEGE & CAREER CENTER BEFORE THEY ARE OFFICIAL.

COURSE CHANGES AFTER THE 1ST WEEK THAT THE COURSE IS IN SESSION:

Courses dropped after the first week the course is in progress will result in a grade of WF (which calculates into your GPA as an F) for each remaining grading period during the current semester. An exception to the WF grade is if it is determined by IEP/504 team that the course is not an appropriate placement for you *based on your disability*, in which case you would receive a W instead of a WF.

ALEXANDRIA ACADEMY ADVISORY (AAA)

All students will be assigned to an Academy Advisory. Alexandria Academy Advisory (AAA) is a comprehensive advisory-based program that addresses five essential areas of career and college readiness: academic, admissions, career, financial, and personal/social readiness. A pass or unsatisfactory grade will be recorded on a student's transcript each year, with a passing grade earning .25 credit per school year.

CREDIT REQUIREMENTS FOR GRADUATION

****STUDENTS MUST HAVE COMPLETED ALL REQUIREMENTS FOR GRADUATION TO PARTICIPATE IN GRADUATION CEREMONIES.**

ENGLISH/LANGUAGE ARTS	4.0 CREDITS
• English 9	1.0 Credit
• English 10	1.0 Credit
• English 11 (Choose one of the following options)	1.0 Credit
– English 11	
– English 11-1 /College Composition I (regular or online)	
– College American Studies	
– Advanced Placement English	
• English 12 (or Advanced Placement English or College Composition I, College Composition II, or Public Speaking)	1.0 Credit
SOCIAL STUDIES	3.5 CREDITS
• Social Studies 9 (or Advanced Placement Human Geography)	0.5 Credit
• World History I and II (or Advanced Placement World History: Modern)	1.0 Credit
• US History (choose one of the following options)	1.0 Credit
– Early US History and Recent US History	
– College US History online	
– College American Studies	
– Advanced Placement US History	
• Economics and Government (or College Macroeconomics and College American Government)	1.0 Credit
MATHEMATICS	3.0 CREDITS
• Intermediate Algebra (Honors Intermediate Algebra)	1.0 Credit
• Geometry (or Honors Geometry)	1.0 Credit
• Advanced Algebra (or Honors Advanced Algebra)	1.0 Credit
SCIENCE	3.0 CREDITS
• Integrated Science (or Honors Integrated Science)	1.0 Credit
• Biology (or AP Biology)	1.0 Credit
• Chemistry or Physics (choose one of the following options)	1.0 Credit
– Chemistry	
– AP Chemistry/College General Chemistry I & II	
– Physics	
– Physics in Manufacturing I & II	
– College Physics & Lab	
– College General Chemistry I	
HEALTH & PHYSICAL EDUCATION	1.0 CREDIT
• Health	0.5 Credit
• Physical Education	0.5 Credit
ARTS (Qualifying classes are marked with a 🌟 on pages 10-11 and in course descriptions)	1.0 CREDIT
ELECTIVES	14.5 CREDITS
TOTAL CREDITS	30 CREDITS

General Information

4 YEAR COLLEGE/UNIVERSITY PREPARATION:

Four-year colleges recommend that students complete two years of the same World Language. Students interested in attending the University of Minnesota are required to have a fourth year of Math. Acceptable math courses for the 4th year include College Algebra, Probability & Statistics, AP Statistics, Pre-Calculus, and AP Calculus. Students should check with admissions personnel at their colleges of interest for additional requirements and recommendations for admission to specific programs/majors.

2 YEAR COMMUNITY & TECHNICAL COLLEGES:

Entrance requirements for community & technical colleges vary by program. Students should check with admissions personnel at their colleges of interest for additional requirements and recommendations for admission.

GRADING SYSTEM

GPA CALCULATION FORMULA

Grade	1 CR	1/2 CR
A	4.00	2.00
A-	3.67	1.84
B+	3.33	1.67
B	3.00	1.50
B-	2.67	1.34
C+	2.33	1.17
C	2.00	1.00
C-	1.67	.84
D+	1.33	.67
D	1.00	.50
D-	.67	.34
S	.33	.17
F	.00	.00
WF	.00	.00
W	Neutral	Neutral
I	Neutral	Neutral
<i>Incomplete grades will be changed to F's three weeks after the end of a grading period. At that time, the F will calculate into the GPA/Class Rank.</i>		
P	Neutral	Neutral
U	Neutral	Neutral

GRADING SCALE CHART (REGULAR AND AP)

Regular Grading Scale	GRADE	Point Value	AP Grading Scale
94-100	A	4	90-100%
90-93	A-	3.67	87-89%
87-89	B+	3.33	83-86%
83-86	B	3	80-82%
80-82	B-	2.67	77-79%
77-79	C+	2.33	73-76%
73-76	C	2	70-72%
70-72	C-	1.67	67-69%
67-69	D+	1.33	63-66%
63-66	D	1	60-62%
60-62	D-	.67	57-59%
59% and below	F	0	56% and below
	(unless a grade of "S" is assigned at a teacher's discretion)		

CALCULATING GRADE POINT AVERAGE (GPA):

Each grade received in a given grading period is assigned a numerical value, dependent upon its credit value for that grading period (see above grading system). The sum of these numerical values is divided by the number of credits attempted in that grading period to determine a GPA. A GPA is calculated for each student at the end of each grading period.

CUMULATIVE GPA / CLASS RANK

All final semester grades from grades 9-12 are averaged to form a cumulative GPA. Students are ranked numerically in their graduating class according to their cumulative GPA. Cumulative GPA and class rank is computed for each student at the end of each semester. Most post secondary institutions and scholarship sponsors take class rank and cumulative GPA into consideration when determining admissions or awarding scholarships.

GPA RECOGNITION

Honor Roll: Students with a GPA of 3.0 or higher will be included on the honor roll.

National Honor Society (NHS): A student must have a cumulative GPA of a 3.4 or higher to qualify for consideration (juniors and seniors only) in addition to other criteria. Students who qualify for consideration will be invited to apply for NHS.

Graduation Tassels: Gold Tassel (3.67-4.00 cumulative GPA); Silver Tassel (3.33-3.66 cumulative GPA); Gold and Silver Tassels will be determined at the end of a student's senior year prior to commencement.

GRADING INFORMATION

Students are graded on an A-B-C-D-F basis. Under certain circumstances alternative grading may be considered. See table to the left for grading information.

INCOMPLETES

A student with extreme circumstances, such as an extended illness or a death in the family, will receive a grade of "Incomplete" (I) if all work missed during the time of the extended absence is not completed by the end of the grading period. Preexcused absences do not warrant an incomplete. Three (3) weeks after the end of the grading period, any remaining "Incompletes" will automatically be changed to "Failures" (F) on the student's permanent record.

COURSE RETAKES

You may elect to retake a course at AAHS for a higher grade. Course Retake Request forms are available in the College & Career Center and need to be completed before you retake the class. You will NOT receive credit more than one time for the same course. Upon completion of a retake, your original course and grade will remain on your transcript, but the course will be flagged with an "R" and will not calculate into credit-counts or GPA/Class Rank.

Likewise, if you failed a required course, and make it up at AAHS or in an alternative setting, once the course requirement is met, the original attempt (course and grade) will remain on your transcript but the course will be flagged with an "R", and will not calculate into credit-counts or GPA/Class Rank. Instead, the grade(s) earned in the course(s) meeting that requirement will be calculated into GPA/Class Rank and credit-counts.

**** Note:** When a course is retaken, our computer system will NOT automatically flag an original attempt of a course with an "R". The College & Career Center will try to catch these situations as they arise. However, it is ultimately up to the student to initiate this process to be sure your GPA is calculated as indicated above.

PERSONAL FINANCE REQUIREMENT

All students in the Class of 2028 and beyond will be required to successfully complete a personal finance requirement sometime during grades 10, 11, or 12. Details forthcoming, to be determined by the fall of the 2024-25 school year.

HIGH SCHOOL ELIGIBILITY

CO-CURRICULAR ACTIVITIES AT ALEXANDRIA AREA HIGH SCHOOL

The following policy is used to determine eligibility for co-curricular activities at Alexandria Area High School (AAHS). Students must have earned a specific number of credits at the end of each semester before they can participate in State High School League-sponsored activities during the following semester, as outlined below:

2024-2025 SCHOOL YEAR	After SEMESTER 1	After SEMESTER 2
2028 Grade 9	3.5	7.5
2027 Grade 10	11	15
2026 Grade 11	18.5	22
2025 Grade 12	26	30

Students failing a class at mid-quarter grade checks will be considered academically ineligible to participate in co-curricular activities until they are passing. Ineligible means that a student cannot compete or perform with a co-curricular activity, or miss school because of a co-curricular activity. The student may still attend practices. Administration will meet with the student and inform the coach/director/advisor of the student's ineligibility. The classroom teacher will indicate when the student has regained eligibility. It is the student's responsibility to get the "proof of progress" signed and delivered to the Activities Office.

The following activities are under this minimum credit and mid-quarter eligibility requirements.

ATHLETICS

Cross Country	Dance Team	Baseball
Soccer	Gymnastics	Golf
Football	Hockey	Track & Field
Swimming & Diving	Nordic Skiing	All Independent
Tennis	Wrestling	Provider Sports:
Volleyball	Adapted Bowling	Archery
Basketball	Fast Pitch Softball	Alpine Skiing
Cheerleading		Clay Target

ADDITIONAL EXTRACURRICULARS

Rainbow Strings	MSHSL sponsored:	DECA	Sports Medicine
Jazz Band	Band, Choir, &	NHS	Assistants
Carolers	Orchestra events	FFA	Leadership Council
Theatre Arts	Speech	Mock Trial	
Marching Band	Math Team	A Club	
Esports	Knowledge Bowl	Robotics	



ALEXANDRIA
AREA HIGH SCHOOL

COLLEGE CREDIT OPPORTUNITIES AT ALEXANDRIA AREA HIGH SCHOOL

TRANSFERRING COLLEGE CREDITS:

For planning purposes regarding whether concurrent enrollment courses at AAHS through partnering colleges might transfer to your "end" college of interest, students are encouraged to contact the transfer personnel at their "end" college/s of interest, refer to the transfer information on those colleges' websites, and use the [transferology.com](https://www.transferology.com) website at <https://www.transferology.com>.

Students will need to request an official transcript from each of the colleges from which they took concurrent enrollment coursework while in high school to be sent to their "end" college for review for transfer purposes. It is always up to the "receiving" college whether or not coursework/credits will transfer and in what capacity they will transfer in your program of interest. Use the links below to request your official transcripts.

Students can request official transcripts from ATCC, SCSU, CLC and SMSU by going to www.getmytranscript.org.

To send transcripts, enter in the name of the college you took credits from (see page 8). Repeat this process for each college you took credit from while in high school.

Note: students whose "end" college is a college in the MinnState system may not need to send final transcripts from our concurrent enrollment partners, because they are all part of the MinnState system. Check with your "end" college to be sure.



College Credit Opportunities at Alexandria Area High School

	AAHS College Credit Courses	College Credit may be Earned in the Following ways:
<p style="text-align: center;">Advanced Placement (AP)</p>	<div> AP Environmental Science AP English Literature & Comp. AP World History: Modern AP US History AP Calculus AP Human Geography AP Statistics </div> <div> AP Biology AP Chemistry/ College General Chemistry I & II AP Music Theory AP Studio Art AP Precalculus </div>	<p>College credits are determined by scores on AP Exams and individual college AP credit policies.</p> <p>To find out the AP policies of the colleges you're interested in, go to: https://apstudents.collegeboard.org/getting-credit-placement/search-policies</p>
<p style="text-align: center;">Concurrent Enrollment</p> <p>ATCC Minimum High School GPA 12th grade- 2.8 GPA 11th grade- 3.0 GPA 10th grade- 3.4 GPA</p> <p>If minimum high school GPA is NOT met one of the following must be met: Accuplacer Reading- 250, MCA Reading- 1047, ACT Reading- 21 * Min. GPA or ACT English 18 ** Min GPA or MCA Reading 850</p> <p>CLC Placement into top music course and 11th or 12th grade 3.0 GPA</p> <p>SCSU 12th grade need to meet one of the following: 3.0 GPA Top half of graduating class Nationally standardized test score below</p> <p>11th grade need to meet one of the following: 3.5 GPA Top third of graduating class Nationally standardized test score below</p> <p>10th grade need to meet one of the following: 3.75 GPA or higher Top tenth of graduating class Nationally standardized test score below</p> <p>Nationally Standardized test scores: ACT: 23 or above composite score Pre-ACT: 22 or above composite score PSAT: 107 or above</p> <p>SMSU 12th grade need to meet one of the following: 3.0 GPA or higher Top half of graduating class Score in the 50%ile on nationally standardized test</p> <p>11th grade need to meet one of the following: 3.0 GPA or higher Top third of graduating class Score in the 70%ile on nationally standardized test</p> <p>10th grade need to meet one of the following: 3.5 GPA or higher Top tenth of graduating class Score in the 90%ile on nationally standardized test</p> <p>ATCC = Alexandria Technical and Community College CLC = Central Lakes College SCSU = St. Cloud State University SMSU = Southwest Minnesota State University</p>	<p style="text-align: center;">High School Course</p> <p>AP Chemistry / College General Chemistry I & II</p> <p>AP English Literature & Composition</p> <p>AP Statistics</p> <p>CAPS College Intro to Education & Lab</p> <p>CAPS College Principles of Marketing</p> <p>CAS <u>Composition I</u> / Literature</p> <p>CAS Composition I / <u>Literature</u></p> <p>CAS US History to 1877</p> <p>CAS US Hist 1877 to Present</p> <p>College Algebra</p> <p>College American Government</p> <p>College Composition I</p> <p>College Composition I online</p> <p>College Composition II</p> <p>College Composition II online</p> <p>College Intro to Computers</p> <p>College General Chemistry I</p> <p>College General Psychology</p> <p>College Macroeconomics</p> <p>College Physics</p> <p>College Physics Lab</p> <p>College Public Speaking</p> <p>College US History to 1877 online</p> <p>College US History, 1877 to Present online</p> <p>Concert Choir</p> <p>French 102</p> <p>French 201</p> <p>Nrs Assist/Hm Hlth Aide</p> <p>Sinfonia Orchestra</p> <p>Spanish 201</p> <p>Spanish 202</p> <p>Wind Ensemble</p>	<p style="text-align: center;">College Course</p> <p>CHEM 1500 General Chemistry I 4 Credits ATCC</p> <p>CHEM 1505 General Chemistry II 4 Credits ATCC</p> <p>LIT 120 Introduction to Literature 3 Credits SMSU</p> <p>MATH 1447 Introduction to Statistics 4 Credits ATCC</p> <p>ED 101 Introduction to Education & Lab 3 Credits SMSU</p> <p>MKTG 2525 Principles of Marketing 3 Credits ATCC</p> <p>ENGL 1410 Composition I 3 Credits ATCC</p> <p>ENGL 2405 Modern American Literature 3 Credits ATCC</p> <p>HIST 1401 US History to 1877 3 Credits ATCC</p> <p>HIST 1402 US History, 1877 to present 3 Credits ATCC</p> <p>Math 110 College Algebra 3 Credits SMSU</p> <p>POL 120 American National Government 3 Credits SMSU</p> <p>ENGL 1410 Composition I 3 Credits ATCC</p> <p>ENGL 1410 Composition I 3 Credits ATCC</p> <p>ENGL 1420 Composition II 3 Credits ATCC</p> <p>ENGL 1420 Composition II 3 Credits ATCC</p> <p>ITEC 1430 Intro to Computers 3 Credits ATCC</p> <p>CHEM 1500 General Chemistry I 4 Credits ATCC</p> <p>PSYC 1445 General Psychology 3 Credits ATCC</p> <p>ECON 202 Principles of Macroeconomics 3 Credits SMSU</p> <p>PHYS 120 Introductory Physics 3 Credits SMSU</p> <p>PHYS 120L Introductory Physics Lab 1 Credit SMSU</p> <p>COMM 1415 Public Speaking 3 Credits ATCC</p> <p>HIST 1401 US History to 1877 3 Credits ATCC</p> <p>HIST 1402 US History, 1877 to Present 3 Credits ATCC</p> <p>MUSC 1431 Concert Choir 2 Credits CLC</p> <p>FREN 102 Beginning French II 4 Credits SCSU</p> <p>FREN 201 Intermediate French I 4 Credits SCSU</p> <p>PNSG 1640 Nursing Assistant/Home Health Aide 3 Credits ATCC</p> <p>MUSC 1420 College String Orchestra 2 Credits CLC</p> <p>SPAN 201 Intermediate Spanish I 4 Credits SCSU</p> <p>SPAN 202 Intermediate Spanish II 4 Credits SCSU</p> <p>MUSC 1408 College Wind Symphony 2 Credits CLC</p>

College Credit Opportunities at Alexandria Area High School

	AAHS College Credit Courses	College Credit may be Earned in the Following ways:
<p>College Level Exam Program (CLEP)</p> <p>Students successfully completing this AAHS coursework may want to take a related CLEP exam for possible college credit. Find out if colleges you're interested in accept CLEP at http://clep.collegeboard.org</p>	<p>AAHS Course</p> <p>AP English Literature/Composition</p> <p>AP US History</p> <p>Honors Advanced Algebra</p> <p>AP Calculus (one or both semesters)</p> <p>AP Biology</p> <p>AP Chemistry / College General Chemistry I & II</p> <p>Accounting II</p> <p>Precalculus</p>	<p>Suggested CLEP Exam</p> <p>Analyzing & Interpreting Literature, College Composition, College Composition Modular</p> <p>History of the US I, History of the US II</p> <p>College Algebra, College Math</p> <p>College Algebra, College Math</p> <p>Calculus</p> <p>Biology</p> <p>Chemistry</p> <p>Financial Accounting</p> <p>Precalculus</p>
<p>North Dakota State College of Science Articulation Agreement</p>	<p>Complete the following at AAHS:</p> <p>Culinary Arts I</p> <p>Culinary Arts II</p> <p>Cardinal Café (Culinary Arts III)</p>	<p>Earn toward NDSCS Culinary Arts Program:</p> <p>CULN 100 Culinary Fundamentals (3 credits)</p>
<p>Runestone Partnership Tech Prep Agreements</p>	<p>Students who take these courses in grades 10-12 (not 9) and earn a B or better in this AAHS course will receive an articulated College Credit Certificate (issued by ATCC) which is valid for 5 years.</p> <p>Accounting I</p>	<p>When you enroll in an <i>applicable program</i> at ATCC, you will be able to transfer your high school course to meet the college credits listed below.</p> <p>ACCT1501 Accounting for Business (2 credits)</p>
<p>Post Secondary Enrollment Options (PSEO)</p>	<p>You must meet with your counselor to discuss PSEO enrollment in the spring. You will discuss enrollment and courses to meet the graduation requirements at Alexandria Area High School. Counselors are not available during the summer to discuss course enrollment for PSEO.</p> <p>Students must notify their school by May 30 if they want to participate in PSEO for the following school year.</p>	<p>This option allows any 11th or 12th grader to attend a Minnesota college (subject to college acceptance) at the expense of the state. Students will be granted credits toward their high school diploma for classes successfully completed at the college level. Eligible 10th grade students can enroll in one Career and Technical Education course. It is important that you check with the college you are interested in for the specific PSEO application deadline.</p>



Course Offerings Summary

SYMBOL KEY

- ★ = Counts toward Arts credit
- ! = Instructor signature required to register
- * = Prerequisite or Corequisite required

ENGLISH/LANGUAGE ARTS REQUIREMENTS

0155-0156	*AP English Literature & Composition	1.00	11,12
0187-0189	*CAS: Honors English 11 & Composition I/Literature		
0286-0288	*CAS: US History to 1877 & 1877 to Present	2.75	11
0186	*College Composition I	0.75	11,12
0148	*College Composition I (online)	0.75	11,12
0188	*College Composition II	0.75	11,12
0149	*College Composition II (online)	0.75	11,12
0170	*College Public Speaking	0.75	11,12
0117-0118	English 9-1 and 9-2	1.00	9
0101-0102	*English 10-1 and 10-2	1.00	10
0105-0106	*English 11-1 and 11-2	1.00	11
0119-0120	*English 11-1 and English 11-2 (online)	1.00	11
0125-0126	*English 12-1 and 12-2	1.00	12
0121-0122	*English 12-1 and 12-2 (online)	1.00	12

HEALTH / PHYSICAL EDUCATION REQUIREMENT

1501	Health	0.50	9,10,11,12
1308	Physical Education	0.50	9,10,11,12

MATH REQUIREMENTS

0333-0334	*Advanced Algebra	1.00	10,11,12
0347-0348	*Geometry	1.00	10,11
0335-0336	*Honors Advanced Algebra	1.00	10,11
0345-0346	*Honors Geometry	1.00	9,10
0308-0309	Intermediate Algebra	1.00	9,10

SCIENCE REQUIREMENTS

0450-0451	!AP Biology	1.00	10,11,12
0458-0459	!AP Chemistry/College General Chemistry	1.00	11,12
0421-0424	Biology	1.00	10
0434-0435	*Chemistry	1.00	11,12
0462-0463	College General Chemistry I	1.00	11,12
0448-0449	*College Physics and Lab	1.00	11,12
0471-0472	! Honors Integrated Science	1.00	9
0467-0468	Integrated Science	1.00	9
0432-0433	*Physics	1.00	11,12
0442-0443	*Physics in Manufacturing I & II	1.00	11,12

SOCIAL STUDIES REQUIREMENTS

0222-0223	!AP Human Geography	1.00	9,10,11,12
0250-0251	!AP United States History	1.00	11,12
0226-0227	!AP World History: Modern	1.00	10,11,12
0216	*College American Government	0.75	12
0286-0288	*CAS: US History to 1877 & 1877 to Present		
0187-0189	*CAS: Honors English 11 & Composition I/Literature	2.75	11
0215	*College Macroeconomics	0.75	12
0238	*College US History		
	to 1877 (online)	0.75	11,12
0239	*College US History		
	1877 to Present (online)	0.75	11,12

0203-0202	Early US History and Recent US History	1.00	11
0252	Economics	0.50	12
0255	Economics (online)	0.50	12
0253	Government	0.50	12
0254	Government (online)	0.50	12
0200	Social Studies 9	0.50	9
0211-0212	World History I and II	1.00	10

BCE ACADEMY

0718-0719	3-D Animated Movie Making (to be offered 2025-2026)	1.0	10,11,12
0826	Accounting I	0.50	10,11,12
0827	*Accounting II	0.50	10,11,12
0193	★ *Acting & Improvisation	0.50	9,10,11,12
0753	★ *Advanced Digital Art	0.50	9,10,11,12
0729	! * Advanced Media Productions: AAHS Daily News	0.50	11,12
0717	★ *Advanced Pottery & Sculpture	0.50	10,11,12
0196	★ *Advanced Theatre Arts (to be offered 2025-2026)	0.50	9,10,11,12
0726	★ Animation (2-D & 3-D)	0.50	9,10,11,12
0778-0779	! *AP Studio Art	1.00	11,12
0701	★ Art & Design I	0.50	9,10,11,12
0703	★ *Art & Design II	0.50	10,11,12
0831	Business Careers	0.50	9
1870	* CAPS (Business/College Principles of Marketing)		
1871		1.25	12
0810	*College Intro to Computers	0.75	10,11,12
0174	Communications & Journalism	0.50	9,10,11,12
0829	Computer Hardware and Operating Systems	0.50	9,10
0173	Creative Writing	0.50	10,11,12
1128	Culinary Arts I	0.50	9,10,11,12
1129	*Culinary Arts II	0.50	10,11,12
1130-1131	! *Culinary Arts III (Cardinal Café)	1.00	11,12
0727	★ Digital Art	0.50	9,10,11,12
0804	Entrepreneurship/Management	0.50	10,11,12
0820	Game Design I	0.50	9,10,11,12
0728	★ *Graphic Design & Illustration	0.50	9,10,11,12
1110	★ Interior Design	0.50	10,11,12
0809	Introduction to Networks	0.50	10,11,12
0195	★ Introduction to Theatre Arts	0.50	9,10,11,12
0802	M1 - Advertising & Sales	0.50	10,11,12
0819	*M2 - Digital Marketing & Community Promotions	0.50	10,11,12
0709	Media Productions	0.50	10,11,12
0192	★ *Musical Theatre in the 21st Century (to be offered 2024-25)	0.50	9,10,11,12
0704	★ Photography	0.50	9,10,11,12
0722	★ Pottery & Sculpture	0.50	10,11,12
0830	Programming in Python	0.50	10,11,12
0708	★ Video Production	0.50	10,11,12
0806	★ Web Page Design	0.50	9,10,11,12
0710	★ Yearbook	0.50	10,11,12

EMTNR ACADEMY

0469-0470	AP Environmental Science	1.00	10,11,12
0936	*Advanced Metal Fabrication	0.50	11,12
0925	*Advanced Robotics & Automation	0.50	10,11,12
0934	*Advanced Small Engines	0.50	11,12
0904	*Advanced Woods	0.50	9,10,11,12
1014	Agriculture, Food & Natural Resources	0.50	9,10

Course Offerings Summary

0907	Architecture: Drafting & Design	0.50	10,11,12
0429	Astronomy & Meteorology	0.50	10,11,12
0944	Aviation	0.50	10,11,12
0924	*Building Trades	0.50	10,11,12
1860-1861	*CAPS (EMTNR)	1.00	12
0937-0938	*Cardinal Fab	1.00	11,12
0942	*CNC Manufacturing	0.50	10,11,12
1022	Companion Animal Science	0.50	9,10,11,12
0941	Engineering and Design	0.50	10,11,12
0901	Engineering, Manufacturing, & Architecture	0.50	9,10
0943	*Engineering Principles	0.50	10,11,12
1029	★ Floral Design	0.50	9,10,11,12
1021	Forestry	0.50	9,10,11,12
0902	Foundations in Manufacturing	0.50	10,11,12
1017	Get Your Green Thumb	0.50	10,11,12
1018	Horticulture	0.50	11,12
0911	Introduction to Robotics	0.50	9,10
1016	Landscape Design	0.50	9,10,11,12
0905	Metal Fabrication (school day)	0.50	10,11,12
0935	Metal Fabrication (evening)	0.50	10,11,12
1015	MN Habitat & Wildlife Management	0.50	10,11,12
0426	MN Rocks & Waters	0.50	11,12
1024	Precision Ag	0.50	11,12
0929	Small Engines	0.50	10,11,12
1011	* Wildlife Studies	0.50	11,12
0922	Woods	0.50	9,10,11,12

HSHS ACADEMY

1307	Basics of Coaching & Officiating	0.50	10,11,12
1852-1853	* CAPS (Healthcare)	1.00	12
1854-1855	* CAPS (Human Services)	1.00	12
1849-1850	* CAPS (Teacher Education/College Introduction to Education & Lab)	1.25	12
0214	Citizens Academy	0.50	9,10,11,12
0224	* Citizens Academy II	0.50	10,11,12
0205	* College General Psychology	0.75	11,12
0407	* Emergency Medical Responder	0.50	12
0413	* Forensic Science	0.50	10,11,12
1326	Health Careers	0.50	9,10
0406	* Human Anatomy I	0.50	11,12
0416	* Human Anatomy II	0.50	11,12
0217	Human Development I	0.50	9,10,11,12
0218	* Human Development II	0.50	10,11,12
0220	Human Service Careers	0.50	9,10,11,12
0206	Introduction to Psychology	0.50	11,12
0210	* Law & Civil Liberties	0.50	11,12
1328	* Nrs Assist/Hm Hlth Aide	0.75	11,12
0412	* Organic Chemistry	0.50	12
1314	* Prevention & Care of Injuries	0.50	11,12
0221	* Social Issues in Human Services	0.50	10,11,12

GLOBAL ELECTIVES - ENGLISH

0190	Philosophy	0.50	11,12
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GLOBAL ELECTIVES - HEALTH & PHYSICAL EDUCATION

1305	*Advanced Body Fitness	0.50	10,11,12
1303	*Advanced Team Sports	0.50	11,12
1304	Body Fitness	0.50	9,10,11,12
1324	*Lifetime Recreational Sports/Activities	0.50	10,11,12

1302	*Team Sports	0.50	10,11,12
1306	*U Fit	0.50	10,11,12
1322	*Unified Physical Education	0.50	11,12

GLOBAL ELECTIVES - LIFE SKILLS & CAREER READINESS

1818-1819	*Career Internship	1.00	12
0670	Culturocity	0.50	10,11,12
1808-1809	*Employment Experience (during school day)	1.00	12
1814-1815	*Employment Experience (after school I)	1.00	12
1816-1817	*Employment Experience (after school II)	1.00	12
1806-1807	*Employment Skills Seminar	1.00	12
0669	International Film Studies	0.50	10,11,12
0825	Personal Finance	0.50	11,12
2005	Study Block (Semester 1)	0.00	9,10,11,12
2006	Study Block (Semester 2)	0.00	9,10,11,12
1822	*Teaching Assistant/Student Tutor	0.50	10,11,12
1316	Top 20	0.50	10,11,12
(see counselor)	Youth Skills Training (YST)	0.50-2.00	11,12

GLOBAL ELECTIVES - MATHEMATICS

0380-0381	*AP Calculus	1.00	12
0378-0379	*AP Precalculus/Precalculus	1.00	11,12
0349-0350	*AP Statistics	1.00	11,12
0361	*College Algebra	0.75	11,12
0390-0391	*Probability & Statistics	1.00	11,12

GLOBAL ELECTIVES - MUSIC

1240-1241	★ *AP Music Theory (to be offered 2024-2025)	1.00	11,12
1239	★ *Sound Production and Technology	0.50	10,11,12
1221-1222	★ *Symphonic Band	1.00	9,10,11,12
1205-1206	★ *Viking Band	1.00	9,10,11,12
1219-1220	★ *Wind Ensemble	1.00	9,10,11,12
1246-1247	★ *Cardinal Choir	1.00	10,11,12
1213-1214	★ *Concert Choir	1.00	9,10,11,12
1244-1245	★ Freshman Tenor/Bass Choir	1.00	9
1236-1237	★ *Sinfonia Orchestra	1.00	9,10,11,12

GLOBAL ELECTIVES - WORLD LANGUAGES

0624-0625	French I	1.00	9,10,11,12
0626-0627	*French II	1.00	10,11,12
0651-0652	*French III	1.00	11,12
0653-0654	*French IV	1.00	12
0655-0656	*French 102	1.00	11,12
0657-0658	*French 201	1.00	12
0680-0681	*Spanish 201	1.00	11,12
0682-0683	*Spanish 202	1.00	12
0640-0641	Spanish I	1.00	9,10,11,12
0642-0643	*Spanish II	1.00	10,11,12
0659-0660	*Spanish III	1.00	11,12
0661-0662	*Spanish IV	1.00	12

ACADEMIES

OF ALEXANDRIA

My Future Starts Here

COLLEGE & CAREER ACADEMIES

A 4-year Opportunity to Prepare for the Future

Alexandria Area High School is a modern education campus offering an innovative learning program. The high school is organized into small learning communities, collectively known as The Academies of Alexandria. The concept of Small Learning Communities (SLCs) is growing across the nation as an effective model to prepare all students for college AND career.

CORE CURRICULUM FOR ALL

All academies require a Core Curriculum of English, Math, Science, Social Studies, PE/Health, and General/Global Electives as a requirement for graduation.

PERSONALIZED LEARNING FOR ALL

Students in grades 9-12 at Alexandria Area High School will experience a personalized school day as they prepare for success in college and/or the work force. The Academies at Alexandria Area High School personalizes learning for all students by:

- Organizing teachers in a team structure to ensure student success and personal connections within a large high school.
- Providing project-based, interdisciplinary learning that immerses students in an authentic 'real world' experience.
- Engaging students by making classes relevant to personal interests and aspirations.
- Providing connections with local businesses and professionals, linking schoolwork and the workplace.

COLLEGE & CAREER PATHWAY / ACADEMY CHOICES

A pathway is a sequence of courses within a chosen academy designed to help students prepare for a specific career area and meet the mandatory requirements for high school graduation. Pathways provide students and their families with a plan to connect coursework in high school with college and career opportunities after graduation.



Students chart their unique pathway during ninth grade, exploring career choices.

Students then select one of the following academies to enter during their sophomore year:



• Business, Communication and Entrepreneurship



• Engineering, Manufacturing Technologies, and Natural Resources



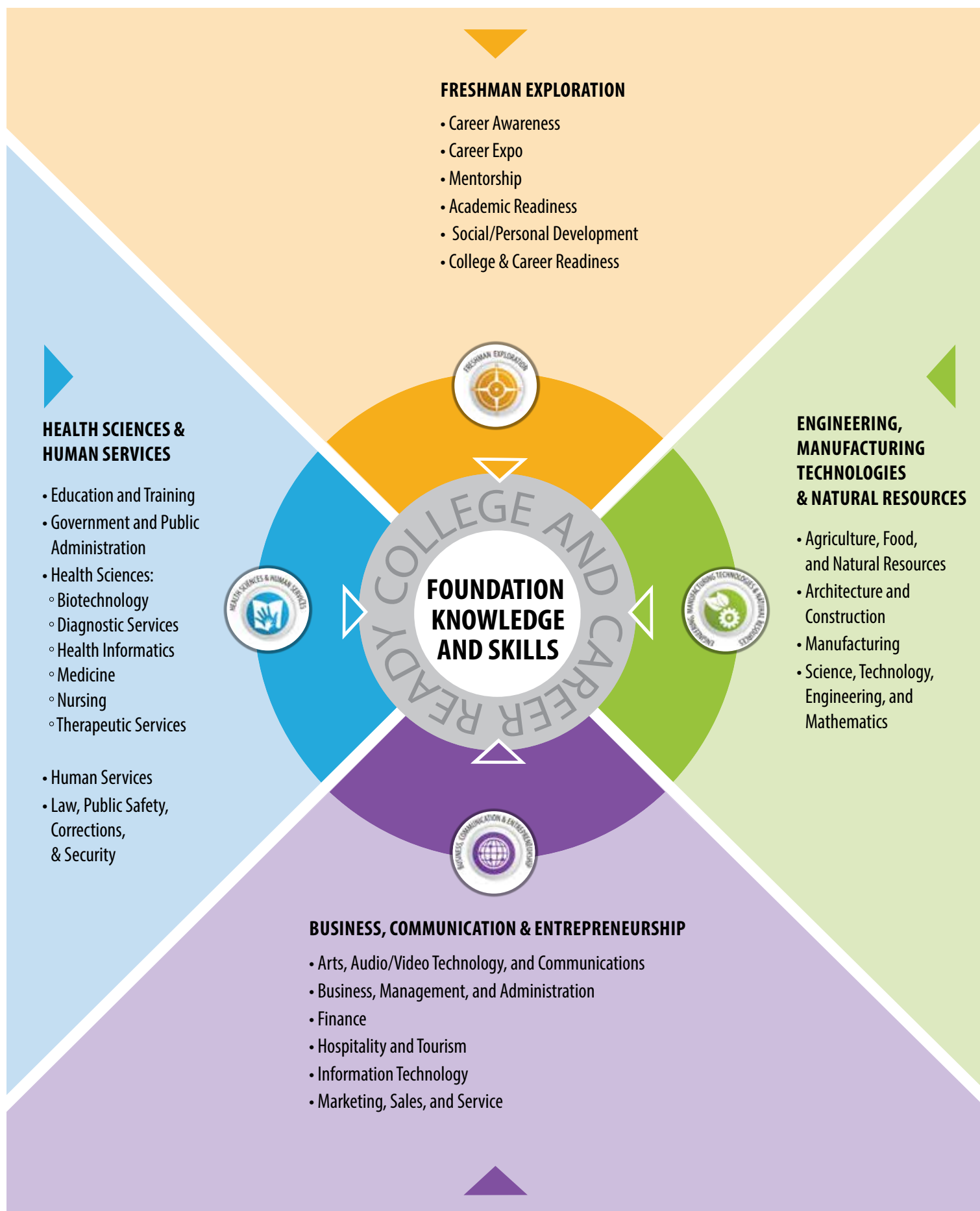
• Health Sciences and Human Services

One of the 15 Pathways will enable students to concentrate their learning to personal interests and aspirations and transition to college or the workforce with ease.

ACADEMIES OF ALEXANDRIA CHAMPION COMMITTEE REPRESENTATIVES

Claire Anderson, Academy Coach
Mark Anderson, Knute Nelson
Tara Bitzan, Alexandria Lakes Area Chamber of Commerce
Mandy Brower, The Dashery - Downtown Business Merchants
Chad Duwenhoegger, High School Principal
Nicole Fernholz, Alexandria Area Economic Development Commission
Doug Houska, Viking Bank
Sean Johns, Alexandria Technical & Community College
Darcy Josephson, Asst. Superintendent - Teaching & Learning

Jill Johnson, Communications & Marketing Director
Angie Krebs, School Board
Kelli Minnerath, Alexandria Education Foundation
Bobbie Osterberg, City of Alexandria
Jeff Restad, Bell Bank
Rick Sansted, Superintendent
Marty Schultz, City of Alexandria
Brent Urke, Douglas Machine
Jordyn Cantalope, Alexandria Area Economic Development Commission Representative
Carl Vaagenes, Alomere Health



FRESHMAN EXPLORATION ACADEMY



Freshman Exploration

Career Awareness

Career Expo

Mentorship

Academic Readiness

Social/Personal Development

College & Career Readiness

INFOGRAPHIC KEY



College Credit
Opportunity



Arts Credit
Counts Toward



CLEP®

Watch for these symbols in the course descriptions.

- The “pillars” by a course description indicates that the course offers college credit or potential college credit through AP or CLEP testing opportunities.
- The “star” by a course description indicates the course counts toward the AAHS “Arts” credit requirement for graduation.
- Practice CLEP tests are available in the College & Career Center to help determine your level of readiness to test. There is a \$89 fee for each CLEP test, plus a \$30 administrative fee. These fees are subject to change by The College Board and test centers.
- The ‘caps’ graphic by a course description reflects our membership in the CAPS (Center for Advanced Professional Studies) network of programs. This network enhances our Academies of Alexandria model. A ‘caps’ course involves a post-secondary partner and a business partner. Through our post-secondary partners, ‘caps’ coursework will allow students to earn both college and high school credit while working within the local partner business.

FRESHMAN EXPLORATION ADVISORY BOARD

Claire Anderson, Academy Coach
Amy Ashbaugh, High School Spanish Teacher
Gretta Brunelle, High School Math Teacher
Jordyn Cantalope, Alexandria Area Economic
Development Commission Representative
Chad Duwenhoegger, High School Principal
Matthew Fischer, Bethany on the Lake
Marv Hoffman, Midwest Machinery
Chelsey Justice, Lakeshore Psychology
DeeDee Larson, Rural MN CEP
Nicole Olson, Habitat for Humanity
Shannon Patience, Special Education
Sarah Reif, School Counselor
Josh Tatge, Ameriprise Financial
Julie Trosvig, Alexandria Technical & Community College

Freshman Exploration Academy

Academy	Required Courses				
9	English 9 (1 credit)	Intermediate Algebra OR Honors Geometry (Both 1 credit)	Social Studies 9 (0.5 credit) OR AP Human Geography (1 credit)	Integrated Science OR Honors Integrated Science (Both 1 credit)	Physical Education (0.5 credit) AND Health (0.5 credit)

Freshman Elective Opportunities

Academy	Business, Communication & Entrepreneurship (includes Art Electives)	Engineering, Manufacturing Technologies & Natural Resources	Health Sciences & Human Services	Global Electives
9	<ul style="list-style-type: none"> • Acting & Improvisation • Advanced Digital Art • Advanced Theatre Arts • Animation (2D & 3D) • Art & Design I • Business World 101 • Communications & Journalism • Computer Hardware & Operating Systems • Culinary Arts I • Digital Art • Game Design I • Graphic Design & Illustration • Intro to Theatre Arts • Musical Theatre in the 21st Century • Photography • Web Page Design 	<ul style="list-style-type: none"> • Advanced Woods • Agriculture, Food & Natural Resources • Companion Animal Science • Engineering, Manufacturing & Architecture • Floral Design • Forestry • Introduction to Robotics • Landscape Design • Woods 	<ul style="list-style-type: none"> • Citizens Academy • Health Careers • Human Development I • Human Service Careers 	<ul style="list-style-type: none"> • Body Fitness • French I • Music Arts <ul style="list-style-type: none"> ◦ Choir ◦ Band ◦ Orchestra • Spanish I

HEALTH

Course Number: 1501

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

The health education program is designed to empower students with life skills to improve or maintain a higher level of social, mental/emotional, and physical wellness. Students in this course will discover information and learn the skills required to make effective health decisions in key aspects of their lives. This course covers health concerns for adolescents which include: nutrition, mental health, human sexuality, relationships, infectious and lifestyle disease, chemical health, and first aid. Students will learn through small group projects, small and large group discussions, teacher presentations, and individual reading and research.

PHYSICAL EDUCATION

Course Number: 1308

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

In this course students will examine physical activity and discover how it can positively affect their life. Students will engage in a variety of physical activities including lifetime/leisure activities, wellness activities, and team activities. The units covered in this class will be: Survivor, Pickleball, Target Games (Bocce, Disc Golf, Bean Bags), Ultimate Frisbee, Personal Fitness, Hiking/Snowshoeing, and Dance. This course will provide students the resources to reach a high level of physical health throughout their lifetime.

BCE ACADEMY



Business, Communication & Entrepreneurship

BCE Career Pathways:

Arts, Audio/Video Technology, and Communications

Business, Management, and Administration

Finance

Hospitality and Tourism

Information Technology

Marketing, Sales, and Service

BCE ACADEMY ADVISORY BOARD

Claire Anderson, Academy Coach
 Shannon Berns, Du Nord Consulting
 Ryan Blakesley, Viking Bank
 Jordyn Cantalope, Alexandria Area Economic Development Commission Representative
 Chad Duwenhoegger, High School Principal
 Chalsey Falk, The Arts Collaborative
 Jan Finazzo, High School Business Teacher
 Megan Jacob, High School Business Teacher
 Chad Meyer, Garden Center Lanes/Fat Daddy's
 Meghan Orgeman, School Counselor
 James Pence, The Arts Collaborative
 Bryan Richter, XS Consulting
 Rita Scholten, High School Spanish Teacher
 Sarah Spieker, High School English Teacher
 Chris Uhde, Leighton Broadcasting
 Joy Wrolson
 Liz Zeece, High School Art Teacher

INFOGRAPHIC KEY



College Credit Counts Toward
Opportunity Arts Credit

CLEP

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- Practice CLEP tests are available in the College & Career Center to help determine your level of readiness to test. There is a \$89 fee for each CLEP test, plus a \$30 administrative fee. These fees are subject to change by The College Board and test centers.
- The 'caps' graphic by a course description reflects our membership in the CAPS (Center for Advanced Professional Studies) network of programs. This network enhances our Academies of Alexandria model. A 'caps' course involves a post-secondary partner and a business partner. Through our post-secondary partners, 'caps' coursework will allow students to earn both college and high school credit while working within the local partner business.

BCE Career Pathways

Grade	Arts, Audio/Video Technology & Communications	Business, Management & Administration Finance Hospitality & Tourism Marketing, Sales & Service	Information Technology
12		<ul style="list-style-type: none"> • CAPS (Business/College Principles of Marketing) 	
11,12	<ul style="list-style-type: none"> • Advanced Media Productions: AAHS Daily News • AP Studio Art • Culinary Arts III (Cardinal Café) 	<ul style="list-style-type: none"> • Culinary Arts III (Cardinal Café) 	<ul style="list-style-type: none"> • Advanced Media Productions: AAHS Daily News
10,11, 12	<ul style="list-style-type: none"> • Advanced Digital Art • Advanced Pottery and Sculpture • Art & Design II • Creative Writing • Culinary Arts II • Interior Design • Media Productions • Pottery and Sculpture • Video Production • Yearbook 	<ul style="list-style-type: none"> • Accounting I • Accounting II • College Intro to Computers • Culinary Arts II • M1 - Advertising & Sales • M2 - Digital Marketing & Community Promotions 	<ul style="list-style-type: none"> • College Intro to Computers • Introduction to Networks • Media Productions • Programming in Python • Video Production
9,10 11,12	<ul style="list-style-type: none"> • Acting & Improvisation • Advanced Theatre Arts • Animation (2D & 3D) • Art & Design I • Communications & Journalism • Computer Hardware and Operating Systems • Culinary Arts I • Digital Art • Game Design I • Graphic Design & Illustration • Intro to Theatre Arts • Musical Theatre in the 21st Century • Photography • Web Page Design 	<ul style="list-style-type: none"> • Business Careers • Culinary Arts I • Web Page Design 	<ul style="list-style-type: none"> • Animation (2D & 3D) • Computer Hardware and Operating Systems • Game Design I • Graphic Design & Illustration • Web Page Design

3-D ANIMATED MOVIE MAKING

Course Number: 0718 - 0719

Length/Credit: 1.0 credit – Full year

Grade Level: 10,11,12

Prerequisite or Corequisite: 3D Animation

Ever wonder what it takes to create a completed 3D animation motion picture like Dreamworks and Pixar? 3D Animated Movie Making is the course to take! The entire class of students will be collectively working on creating one 5-10 minute, 3D animated movie that will premiere during the spring of the school year. Students will learn the careers of producing, script writing, concept design, marketing, animation, sound engineering, and video editing throughout this year-long course. 3D Animated Movie Making will be offered every other year – 2025-26, 2027-28, etc.

ACCOUNTING I

Course Number: 0826

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Begin the journey of one of the highest paid entry level positions in business today. This class will also make you more marketable and provide a solid accounting foundation no matter what type of work you do. Accounting is the global language of finance used by business and consumers. Most of the job opportunities of the future will be in the service area. Students will actively engage in the course by applying accounting skills to a service business. To ensure a solid accounting background, both semesters of accounting are recommended. Students who earn a grade of a B or better will receive an articulated college credit certificate (valid for 5 years). Upon enrollment in an applicable program at ATCC students will be able to use that certificate to transfer this high school course in as ACCT 1501 Accounting for Business (2 credits) at ATCC.



ACCOUNTING II

Course Number: 0827

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Accounting I

Accounting II takes accounting to a new level as we advance to corporate accounting for a merchandising business. It will give students the complete picture of accounting principles and is recommended to be taken during the same school year as Accounting I, but can be taken in different school years.



CLEP Consider taking the Financial Accounting CLEP test.



ACTING AND IMPROVISATION

Course Number: 0193

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Introduction to Theatre Arts or Instructor Permission

Acting and Improvisation will focus on an in-depth study of acting and acting styles, including scenework, improvisational comedy, acting for film, working with non-linear and classical scripts, devising material, Viewpoints, and Rasaboxes, among others. Students will act daily, developing techniques and skills they can apply to plays and musicals, public speaking, interviews, interpersonal communication, and more.



ADVANCED DIGITAL ART

Course Number: 0753

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Digital Foundations or Photography or Print Technologies or Video Production or Media Productions or Web Page Design

Advanced Digital Art is a course for students who have had experience in one or more of the following Adobe programs including Photoshop, Illustrator, After Effects, Premiere, Flash, or Dreamweaver. Students will be choosing their own path in one or more of the following media areas: commercial art (graphic design), animation, illustration, photography, video production, print technologies, and web design. Each student will work with the instructor to form and design their own projects for the course as well as creating a digital portfolio by the end of the semester. This course provides students the opportunity to study their favorite digital art programs in more depth and breadth.



ADVANCED MEDIA PRODUCTIONS: AAHS DAILY NEWS

Course Number: 0729

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Video Production or Media Productions; Instructor Signature

This class will be creating a daily news show that will be shown the first 5 minutes of class. The class will be offered during a zero hour so that the show may be created before school starts. It will allow students to expand their video, editing, broadcasting and communication skills while at the same time providing a daily service to the student and staff population of AAHS as well as the community of Alexandria. This class may be taken one or more semesters.

ADVANCED POTTERY AND SCULPTURE

Course Number: 0717

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Pottery and Sculpture

Course Fee: \$20

Advanced Pottery and Sculpture is tailored towards students who want to further expand their knowledge of 3D mediums paired with real-life art creation experiences. Advanced techniques will be used to create more complex projects in glass, clay, paper, wood, metal, and other mediums. Students will create their artwork for various audiences, hoping to sell projects through events and venues.



ADVANCED THEATRE ARTS

Course Number: 0196

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Introduction to Theatre Arts or Instructor Permission

This course is a semester-long arts elective in which students will study advanced acting scene work, play analysis, theatre history, and technical theatre through active daily projects. Students will act in plays from different genres and time periods, including Greek tragedy, Commedia dell'arte, French Neoclassical, Noh, Shakespearean, absurdist, and contemporary drama and comedy. Students will choose a playwright whose work they will read, watch, analyze, perform, and design. Technical and design elements will be studied through the creation of a 3-D set design. Advanced Theatre Arts will be offered every other year - 2025-26, 2027-28, etc.



ANIMATION (2-D & 3-D)

Course Number: 0726

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Digital Art

An introductory class in the traditional animation; course includes character design, storyboarding and character animation. This course gives students a working knowledge of animation techniques necessary to design animated sequences in both 2 and 3 dimensions. Students who complete this course will have a basic understanding of Adobe After Effects and Cinema 4D.



AP STUDIO ART (2-D DESIGN, 3-D DESIGN, DRAWING)

Course Number: 0778-0779

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Instructor signature

Course Fee: \$15

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP/College Credit for AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. During this course you will explore drawing issues including line quality, light and shade, rendering of form, composition, surface manipulation and the illusion of depth and mark-making through a variety of means, such as painting, printmaking or mixed media. You will start to become an informed and critical decision-maker as you develop a portfolio that is personal to your individual talents and interests while demonstrating mastery of drawing principles. A sketchbook will be kept to document artistic interests and views. If your desire is to incorporate your creative and artistic skills into your future career, then this course will be a great foundation to that future.



ART & DESIGN I

Course Number: 0701

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This semester course introduces students to the Elements of Art and Principles of Design through a variety of art media and methods. Students will learn the basics in Art Creation, Art Aesthetics, Art History, and Critique. Focus will be on the creation of art, which will help to develop fine motor skills. Possible mediums include: pencil, pen and ink, watercolor, acrylic paints, printmaking, glass, and other fun mediums.



ART & DESIGN II

Course Number: 0703

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Art & Design I

Course Fee: \$15

An advanced level course in studio art with an emphasis on developing a greater understanding of the Elements of Art and Principles of Design. Studio experiences in the classroom will give students an opportunity to experience a wide variety of advanced media (pencil, pen and ink, pastel, and acrylic and oil paints) while developing students individual style and creative problem solving skills. Students will demonstrate their ability to respond, analyzing and interpreting their own artwork and the work of others through the use of self-assessments, discussions, critiques and writings. Subject matter will be more of student choice, giving students more freedom to explore their own ideas and develop a unique style.



BUSINESS CAREERS

Course Number: 0831

Length/Credit: .5 credit – 1 semester

Grade Level: 9

Prerequisite: None

Do you want to be a doctor? Lawyer? Engineer? CEO? Undecided? Understanding business basics is essential for ALL careers. This course will give you a broad exposure to business activities including accounting, finance, marketing, and computer applications. It is geared to help students clarify the variety of career options and skills needed in business. Get a taste of what it takes to become a professional.

CAPS (BUSINESS/COLLEGE PRINCIPLES OF MARKETING)

Course Number: 1870-1871

Length/Credit: 1.25 High School Credit / 3 College Credits – 1 semester

Grade Level: 12

Prerequisite: Application (available in the College & Career Center)

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8

Business CAPS provides senior students with real-world experiences in professional settings where they can learn and develop skills for high-demand careers. Transforming the high school experience, this innovative semester-long course meets for two consecutive blocks on alternating AB Days. With an emphasis on Marketing business concepts, students will spend the semester applying their acquired knowledge as they engage in partner-driven projects, solving business problems and experiencing the challenges of project-based work.

Principles of Marketing is an introductory course to provide learners with the basic concepts of marketing as well as gain an understanding of the functions of marketing and how they relate to the entire marketing cycle. Learners will examine how marketing strategies affect consumerism from a variety of perspectives. College Principles of Marketing will be transcribed as MKTG 2525 Principles of Marketing (3 credits) at ATCC.



COLLEGE INTRO TO COMPUTERS

Course Number: 0810

Length/Credit: .75 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8

This course introduces the components of a personal computer, computer terminology, the internet, email, calendaring, and the creation of documents, presentations, worksheets, and databases through hands-on experience with the Microsoft Windows operating system and the Microsoft Office Suite (Word, PowerPoint, Excel, Access, and Outlook). This course is designed as a general education course for all learners, regardless of their career choice. This course enhances the learner's knowledge and understanding of computers and their awareness of how computers interact in their lives. Required software: Windows 7 or higher and Microsoft Office Professional 2019 or Office 365. College Intro to Computers will be transcribed as ITEC 1430 (3 credits) at ATCC.



COMMUNICATIONS & JOURNALISM

Course Number: 0174

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

With communication as the overall focus, students will explore various methods of media that provide information to the public. The course will also cover the written and oral communication, such as reporting, interviewing, researching, and presenting, that is needed to be successful in these fields. This course is recommended for students wanting to explore careers in journalism, public speaking, web communication, etc.

COMPUTER HARDWARE AND OPERATING SYSTEMS

Course Number: 0829

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10

Prerequisite: None

Imagine building your own PC or fixing your own computer issues when they occur. This course covers the fundamentals of computer hardware and software through hands-on lab activities. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software.

CREATIVE WRITING

Course Number: 0173

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Students who enjoy creating original material should take this course. This class will focus on a variety of creative writing skills and genres such as: poetry, short story, digital storytelling, photo stories, etc. Key skill components developed will include organization, content, word choice, and style. This course will prepare students for the creative components of higher level media and communications courses.

CULINARY ARTS I

Course Number: 1128

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This is an introductory course for the student who is interested in learning skills necessary for food preparation. These skills will be applied through basic food preparation and a food service simulation.

CULINARY ARTS II

Course Number: 1129

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Culinary Arts I (with a C or higher)

This course is for the student who wants to learn intermediate food preparation knowledge and skills. Included in the course of study are food habits, nutrition, and cooking terms. Foods prepared will include pies, quick breads, yeast breads, fruits, vegetables, foreign foods, casseroles and soups.

CULINARY ARTS III (CARDINAL CAFÉ)

Course Number: 1130-1131

Length/Credit: 1.0 credit – 1 semester

Grade Level: 11,12

Prerequisite: Culinary Arts II and Instructor signature

Students will study advanced meal preparation skills, meal management, entertaining and catering, artistic garnishing, and much more. Students will have the opportunity to shadow local executive chefs in the field and expand their knowledge with hands-on experiences in industrial kitchens. This class is geared to students with an interest in a future in the hospitality industry. We will be operating a student-run restaurant open to the public. This class will meet one block every day for one semester. Students who complete Culinary Arts I, II, III, and a portfolio can earn articulated college credit toward NDSCS's Culinary Arts program upon enrollment in their program--specifically CULN 100, Culinary Fundamentals, 3 credits.



DIGITAL ART

Course Number: 0727

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This semester long course is an introduction to digital design principles and techniques. Students will use programs such as Adobe Photoshop, Illustrator, and After Effects to create digital artworks in the fields of graphic design, illustration, and animation. Students will learn the elements and principles of design as well as developing their digital technical skill. Students will get a little taste of everything in this class on an introductory level. This course is a prerequisite for Graphic (Communication Arts) as well as Illustration & Animation.



ENTREPRENEURSHIP/MANAGEMENT

Course Number: 0804

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Have you ever wished you were the boss? Did you ever think you had a good idea for a product or service? Do you like to plan your own day and make your own decisions? Then you might consider entrepreneurship as a career. Statistics show that 65 percent of those who start a business are relatively young, between the ages of 25 and 40. If you are a business-minded person who has thought about owning a business in the future, an entrepreneurship class may be for you. Entrepreneurship will introduce you to the process of starting and managing your own business. Students will create a business plan that includes market research, self-analysis, industry trends, forms of organization, hiring employees, setting goals, defining target markets, the marketing mix, managing risk, and a financial plan.

GAME DESIGN I

Course Number: 0820

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This is a course that engages students in the development of original computer games with project based learning activities. Students will start with simple drag and drop programming, then transition into writing actual code. Game Design will include math theories, physics concepts, engineering cycles, color theory, and visual design. The curriculum is aligned with ISTE's NETS and 21st Century Skills Tech Core Standards. Game Development and computer programming are careers with unlimited possibilities. This course will help introduce students to those fields. An ability to problem solve, learn technical skills, design digital graphics, and be an innovative thinker will contribute to a student's success in this class.

GRAPHIC DESIGN & ILLUSTRATION

Course Number: 0783

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Digital Art

This semester-long course allows students to explore the elements & principles of design needed to create artwork for commercial application. Skills in typography, color theory, composition and visual communication will sharpen the student's eye for design. Students will develop and utilize drawing and computer applications to create corporate identities, package designs, brands, logos and advertisements. Students will also get a chance to screen print their designs onto a t-shirt and print them out into decals.



INTERIOR DESIGN

Course Number: 1110

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

The housing and interior design field is booming. Popularity has come from hit TV shows from HGTV and there is also a growing interest in DIY home remodeling and design. Do you like color? Like to draw? Like to arrange furniture? Would you ever consider working in a store selling furniture or carpets, paint, or window treatments? If you'd like to learn more about these topics, Interior Design is the class for you. We take a hands-on approach to learning the basics of design principles and how these are incorporated into well-designed homes. Students interested in careers in interior design, architecture, and drafting would find this course especially useful. As a final project, the students will design a "Dream Home."



INTRODUCTION TO NETWORKS

Course Number: 0809

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This introductory course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. This course addresses the principles and structure of the Internet Protocol (IP), fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for understanding networks. Students will be able to build simple Local Area Networks (LAN), perform basic configurations for routers and switches, and implement IP addressing schemes.

INTRODUCTION TO THEATRE ARTS

Course Number: 0195

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This is a "hands-on" course which offers students opportunities to explore advanced improvisation, devised drama, acting, and directing. The emphasis in this class is on production. Students will learn about every aspect of the production process including lighting, props, sets, costumes, makeup, and sound. The class will culminate in a production written, acted, directed, and designed by members of the class.



M1 - ADVERTISING & SALES

Course Number: 0802

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Marketing is essential for students preparing for a future in business. This class allows students to explore the activities of marketing products, sales, and advertising. Throughout the course, students will learn how to successfully market both themselves and the companies they will one day work for or own. Your opportunity to belong to DECA, an internationally recognized marketing club, starts here!

M2 - DIGITAL MARKETING & COMMUNITY PROMOTIONS

Course Number: 0819

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Learn how to create a personal relationship between a company and your customers by utilizing social media, web design, promotional videos, blogging, search engine optimization, and many more digital applications. Apply these skills in a variety of project-based learning opportunities by using HootSuite to create and manage all of your social media blasts to promote events, build followers, and ultimately increase sales.

MEDIA PRODUCTIONS

Course Number: 0709

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This course is a great opportunity for students to realize their creative potential and gain experience in writing, reporting, and videotaping of news, features, editorials, and critical reviews. Content includes the criteria for recognizing sound journalistic practices and basics of video production. A major goal of this course is to produce a 5-minute news and feature program to be broadcast school wide daily. Students will build skills necessary for today's technology driven industries. The course combines technical skills: i.e. multimedia, video broadcasting, internet web casting; reading and writing skills; research and analytical skills; and cooperative learning and teamwork. This class may be taken one or more semesters.

MUSICAL THEATRE IN THE 21ST CENTURY

Course Number: 0192

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Intro to Theatre Arts, enrollment in an AAHS music ensemble, or instructor permission

This course will give students the opportunity to explore and analyze musicals from Hamilton to Oklahoma and many titles in between. We'll study the standard musical format, how musicals impact the current art scene both on Broadway and in niche communities, and how music, story, choreography, and instrumentation combine to create both flops and successes. Further units will focus on acting for musical theatre, writing for musical theatre, and auditioning for musical theatre. Musical Theatre in the 21st Century will be offered every other year - 2024-2025, 2026-27, etc.



PHOTOGRAPHY

Course Number: 0704

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This semester course will challenge you to develop your technical photographic skills by studying and utilizing the manual settings on your camera. Students will learn about the creation of good exposure by balancing ISO, aperture, and shutter speed. Students will also study and implement the elements and principles of design in their photography to create strong photographic compositions. The second portion of the semester will expand upon techniques while also learning the basics of photographic editing such as retouching, manipulation, and compositing in Adobe Photoshop.



POTTERY & SCULPTURE

Course Number: 0722

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Course Fee: \$20

Students will create free-standing, hand-made pieces using sculptural techniques, including coil and slab build-ing, form molding and carving, while working with simple forms. They consider volume, weight, color, form, and texture while creating pieces. This class will explore functional and nonfunctional sculptures along with discussions on the purpose of sculpture. Using the elements and principles of design, students will create a multitude of sculptures through a variety of mediums which include glass, clay, wire and more. This course is designed for the artist who wants to work more 3 dimensionally and have a fun time doing it.



PROGRAMMING IN PYTHON

Course Number: 0830

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Python is a general-purpose, versatile, and powerful programming language. It's a great first language because it's concise and easy to read. Whatever you want to do, Python can do it. From web development to machine learning to data science, Python is the language for you.

VIDEO PRODUCTION

Course Number: 0708

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Video production will provide students with the technical, creative, and business skills to create cinematic videos. The course content will include the camera settings, composition, angles, and movements. Finally, students will learn about the different cameras, lenses, editing software, microphones and stabilizers that are needed for professional productions. Whether you are interested in starting your own videography business or simply enjoy videos, this class will not disappoint. As a final project, our course will also be partnering with the Cardinal Athletic Foundation to produce corporate commercials for local companies to be played on the AAHS Stadium's Digital Board.



WEB PAGE DESIGN

Course Number: 0806

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

Want to do more than make a Google site? Web Page Design is an introduction to the design, creation, and maintenance of web pages. Students will critically evaluate websites and learn how to create dynamic pages and sites. This course also includes a Photoshop unit for adding special features. Learn the fundamentals of editing images, of the HTML tagging language, and of graphic editing software.



YEARBOOK

Course Number: 0710

Length/Credit: .5 credit – 1 semester. Semester 2 by application only

Grade Level: 10,11,12

Prerequisite: None

This semester course provides students with the opportunity to produce The Alexian, Alexandria Area High School's Yearbook. Students will learn skills in journalism and design including story writing, captions and headlines, photography, layout design, typography, proofing and editing, and marketing and sales. Participants will also gain skills in teamwork, responsibility, finances, and time management. Students will be required to work outside of class to conduct interviews, take photos, and promote yearbook sales.



EMTNR ACADEMY

Engineering, Manufacturing Technologies & Natural Resources



EMTNR Career Pathways:

Agriculture, Food and Natural Resources

Architecture and Construction

Manufacturing

Science, Technology, Engineering, and Mathematics

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



Watch for these symbols in the course descriptions.

- The “pillars” by a course description indicates that the course offers college credit or potential college credit through AP or CLEP testing opportunities.
- The “star” by a course description indicates the course counts toward the AAHS “Arts” credit requirement for graduation.
- Practice CLEP tests are available in the College & Career Center to help determine your level of readiness to test. There is a \$89 fee for each CLEP test, plus a \$30 administrative fee. These fees are subject to change by The College Board and test centers.
- The ‘caps’ graphic by a course description reflects our membership in the CAPS (Center for Advanced Professional Studies) network of programs. This network enhances our Academies of Alexandria model. A ‘caps’ course involves a post-secondary partner and a business partner. Through our post-secondary partners, ‘caps’ coursework will allow students to earn both college and high school credit while working within the local partner business.

EMTNR ACADEMY ADVISORY BOARD

Harrison Aakre, High School Science Teacher
Bryan Anderson, LGC Biosearch Technologies
Claire Anderson, Academy Coach
Rachel Buse, Tradesmen Construction
Jordyn Cantalope, Alexandria Area Economic
Development Commission Representative
Chad Duwenhoegger, High School Principal
Todd Emmons, Innovative Builders
Melissa Firme, School Counselor
Ryan Hjelle, Ellingson's
Ron Johnson, Juettner Motors
Todd Kemper, Standard Iron
Jason Lattimer, Douglas Machine
Todd Peterson, 3M Abrasives
Jeff Pokorney, High School Agriculture Teacher
Jeff Reed, Glenwood Area Fisheries-MN DNR
Jeremy Smith, Aagard
Dustin Tomoson, Ringdahl Architects
Tom Welle, Alexandria Industries
Matt Zimmerman, High School Industrial
Technology Teacher

EMTNR Career Pathways

Grade	Agriculture, Food & Natural Resources	Architecture & Construction	Manufacturing	Science, Technology, Engineering & Math
12	<ul style="list-style-type: none"> • CAPS (EMTNR) 	<ul style="list-style-type: none"> • CAPS (EMTNR) 	<ul style="list-style-type: none"> • CAPS (EMTNR) 	<ul style="list-style-type: none"> • CAPS (EMTNR)
11,12	<ul style="list-style-type: none"> • Advanced Small Engines • Cardinal Fab • Horticulture • MN Rocks & Waters • Wildlife Studies 	<ul style="list-style-type: none"> • Advanced Metal Fabrication • Advanced Small Engines • Cardinal Fab • Environmental Science Research • MN Rocks & Waters 	<ul style="list-style-type: none"> • Advanced Metal Fabrication • Advanced Small Engines • Cardinal Fab 	<ul style="list-style-type: none"> • Advanced Metal Fabrication • Advanced Small Engines • Biotechnology • Cardinal Fab • MN Rocks & Water
10, 11,12	<ul style="list-style-type: none"> • AP Environmental Science • Astronomy & Meteorology • Get Your Green Thumb • MN Habitat & Wildlife Management • Precision Ag • Small Engines 	<ul style="list-style-type: none"> • AP Environmental Science • Architecture: Drafting & Design • Building Trades • CNC Manufacturing • Engineering and Design • Metal Fabrication • MN Habitat & Wildlife Management • Small Engines 	<ul style="list-style-type: none"> • Advanced Robotics & Automation • Building Trades • CNC Manufacturing • Engineering and Design • Engineering Principles • Foundations in Manufacturing • Metal Fabrication • Small Engines 	<ul style="list-style-type: none"> • AP Environmental Science • Advanced Robotics & Automation • Architecture: Drafting & Design • Astronomy & Meteorology • Aviation • Building Trades • CNC Manufacturing • Engineering and Design • Engineering Principles • Foundations in Manufacturing • Metal Fabrication • MN Habitat & Wildlife Management • Small Engines
9,10, 11,12	<ul style="list-style-type: none"> • Agriculture, Food, and Natural Resources • Companion Animal Science • Engineering, Manufacturing & Architecture • Floral Design • Forestry • Landscape Design 	<ul style="list-style-type: none"> • Advanced Woods • Agriculture, Food, and Natural Resources • Engineering, Manufacturing & Architecture • Landscape Design • Woods 	<ul style="list-style-type: none"> • Advanced Woods • Engineering, Manufacturing & Architecture • Introduction to Robotics • Woods 	<ul style="list-style-type: none"> • Advanced Woods • Agriculture, Food, and Natural Resources • Engineering, Manufacturing & Architecture • Introduction to Robotics • Woods

AP ENVIRONMENTAL SCIENCE

Course Number: 0469-0470

Length/Credit: 1.0 credit – Full year

Grade Level: 10,11,12

Prerequisite: Successful completion of 9th grade science course.

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

ADVANCED METAL FABRICATION

Course Number: 0936

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Metal Fabrication

This class is for students that have a passion and interest in welding and want to further develop their skills and knowledge, especially those considering welding as a potential career path after high school, taking it to the next level. Students will begin by refreshing their skills in wire feed, stick, and oxyacetylene. They will then be assigned more advanced and more challenging joints such as using different electrodes or welding in different positions. This will include an introduction to TIG welding. At the end of the class, students will have class time to create a metal welding project of their choice. Students may take this elective one or more semesters.

ADVANCED ROBOTICS AND AUTOMATION

Course Number: 0925

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Introduction to Robotics

This course gives students an opportunity to continue to explore robotics and automation by having them work with a partner to design, build, and program a robot from the ground up. Throughout the course, students will not only program their own robot to perform various tasks, but they will also see how robots work and impact their daily lives.

ADVANCED SMALL ENGINES

Course Number: 0934

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Small Engines

In Advanced Small Engines, students will learn advanced theories on small engine operation. Students will be exposed to differences in engines and the applications for uses in marine, winter/cold weather, and standard applications. Students will learn about different industries' standards and have the opportunity to attain Briggs and Stratton industry certification.

ADVANCED WOODS

Course Number: 0904

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Woods

Students in Advanced Woods will expand on their experiences found in Woods and Cabinetry class. Industrial fabrication processes will be used to design, estimate, and fabricate wood and wood product cabinetry. Computer Numerical Control processes will also be utilized in implementing a manufacturing system of production. Students will study, design and implement a system of manufacturing to produce a class project while learning about ergonomics of work, time and motion and workflow along with ethics and safety. Students will be expected to build a wood project in this course. Students may take this elective one or more semesters.



AGRICULTURE, FOOD, & NATURAL RESOURCES

Course Number: 1014

Length/Credit: .5 credit – 1 semester

Grade Level: 9, 10

Prerequisite: None

How did that bacon get to your plate? To answer that question, students in this course will investigate the path of food from the farm to your fork. Topics to be covered in this introductory course include careers, natural resources such as wildlife and soil, animal science concepts such as animal health and nutrition, and food products and processing such as meat science. This course provides opportunities to explore high school course offerings in the agriculture department. Students will be required to complete a Supervised Agricultural Experience (SAE) project and will be eligible to participate in leadership and career development opportunities through involvement in the FFA.

ARCHITECTURE: DRAFTING & DESIGN

Course Number: 0907

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This course teaches students about the design and drafting processes related to the Architecture and Construction Industry. Students will use a combination of 2D Sketching/Drafting, 3D Modeling in Revit or Google Sketchup, and the Laser Engraver/Cutter to design, model, and build Architecture Design Proposals. Content includes building materials and estimating, the design process, blueprint reading and development, Architectural and Construction Building Requirements, and software skills. This class will help students thinking about majoring in Architecture prepare for the college studio experience, help students interested in Construction learn to read and develop blueprints, and other career interests develop skills related to the design process.

ASTRONOMY & METEOROLOGY

Course Number: 0429

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Concepts of astronomy and meteorology will be presented within a lab-based format suitable for all students. The meteorology unit considers the atmosphere's composition and the ways in which temperature moisture, wind, and pressure affect the daily weather patterns in west-central Minnesota. The astronomy unit examines the structure of the cosmos; from the earth-moon-sun system to the observable limits of the universe. Methods of gathering and interpreting information from electromagnetic radiation will be researched. Emphasis will be given to understanding ways in which the earth is affected by extraterrestrial objects and events.

AVIATION

Course Number: 0944

Length/Credit: .5 credit - 1 semester

Grade Level: 10,11,12

Prerequisite: None

Course Fee: \$90-\$165 to take a written exam at the end of the course.

This is optional and for students who want the certification.

Want to be a pilot or have a career in aviation? This course offers a structured curriculum to learn beginning knowledge required to pass the FAA Private Pilot Knowledge exam. Passing this exam is a requirement for obtaining an FAA Private Pilot license, which is the first step to becoming a career pilot. The knowledge learned is also applicable to any career in Aviation.

BUILDING TRADES

Course Number: 0924

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Woods

This course will cover the construction processes of wood frame construction. Students will use tools and machines to build utility sheds, icehouses, or other related structures in order to gain understanding of the processes and materials used in residential construction. Students will also study site layout, foundations, electrical, plumbing and services as they relate to residential construction.

CAPS (EMTNR)

Course Number: 1860-1861

Length/Credit: 1.0 credit – 1 semester

Grade Level: 12

Prerequisite: Application (available in the College & Career Center)

This course is for students who are interested in using the skills they've acquired in EMTNR electives to complete real-world projects and solve real-world problems for area industries in the Agriculture, Food and Natural Resources, Architecture & Construction, Manufacturing Technologies, and STEM fields. Prior to taking on their industry-assigned tasks, students will receive a broad introduction to industry-based engineering, manufacturing, construction and design solutions and will review professional skills and responsibilities required while working in local industries. The remainder of the student's experience is individually tailored to the student's EMTNR interests, e.g. agriculture (animals, plants), natural resources and the environment, architecture, construction, manufacturing technologies, engineering, math and science. All students will have hands-on, active-learning opportunities with full immersion in real-world projects sponsored by industry partners (local, national, and international organizations in the for-profit and not-for-profit sectors). This semester-long course meets for two consecutive blocks on alternating AB days.



CARDINAL FAB

Course Number: 0937-0938

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Application (available in the College and Career Center)

Cardinal FAB is a class that will provide a select group of students a real world manufacturing business experience. Students will run a school business producing projects in our school shop. Student must apply and interview to be accepted in this course. Students may take this full year elective both junior and senior years.

CNC MANUFACTURING

Course Number: 0942

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Engineering and Design

CNC Manufacturing is a semester class that provides the opportunity for the study of computer integrated manufacturing and implementation of automation. The course explores manufacturing history, individual manufacturing and automation processes, manufacturing systems, and careers that are related to CNC Manufacturing. Students in this course will use computer aided drawing and computer aided manufacturing technologies to analyze, design and build manufacturing systems.

COMPANION ANIMAL SCIENCE

Course Number: 1022

Length/Credit: .5 credit – 1 semester

Grade Level: 9, 10,11,12

Prerequisite: None

Dogs, cats, horses and so much more! If you have ever considered pursuing a career related to veterinary medicine or owning a pet, you want to take this course. Students will investigate concepts relating to the everyday care of companion animals. Students will study the nutrition, safety, training, health, and general care of your favorite pets. The course will focus on veterinary practices for horses, dogs, cats, rabbits, birds, rodents, and fish. Laboratory activities will provide opportunities for problem-solving through practical applications to learn scientific concepts. Application to current issues will also be explored.

ENGINEERING AND DESIGN

Course Number: 0941

Length/Credit: .5 credit – 1 semester

Grade Level: 10, 11,12

Prerequisite: None

This introductory level Engineering class will allow students to study the design process. If you have ever decided to build something, you have needed the design process. This course will explore the process of taking an idea for a product or a process, and bringing that idea through a defined method of design in order to have that product or process be ready for production or implementation. Students will use Computer Aided Drafting and 3D printing projects to bring their build ideas to life through the design process.

ENGINEERING, MANUFACTURING & ARCHITECTURE

Course Number: 0901

Length/Credit: .5 Credit – 1 semester

Grade Level: 9,10

Prerequisite: None

Students in this course would be exposed to technologies that are used in the EMTNR Academy and also in local industry. Students would be exposed to working with many different types of materials while learning the properties and uses of those materials in our industrial world. Students would also be given instruction in the design processes used in industry to develop products for use in our world. With the instruction of materials and design processes, students would put that knowledge to work with machine technology to build projects that would simulate current industrial projects.

ENGINEERING PRINCIPLES

Course Number: 0943

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Engineering and Design

Engineering Principles is a semester course that exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Project based activities are used to bring understanding to complex areas of study related to engineering. Areas of study include mechanical systems, fluid power, materials, statics, and machine control/circuits.

FLORAL DESIGN

Course Number: 1029

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

Have you ever wondered what it takes to create the beautiful centerpieces, corsages, or bouquets you see for sale in your local floral shop? Want to learn how to save money on your sweetheart or family member by learning to make your own flower arrangement as a gift? This class will show you what it takes to get started in the Floral Design Industry for a possible career, and educate you on being a smart consumer. You will learn techniques to condition and treat both real and artificial flowers, bow construction, flower selection, proper use of tools, and how to follow the Principles of Design in order to make your work of art a success! Students will get hands-on experience making their own designs including boutonnières, corsages, and other free standing designs!

FORESTRY

Course Number: 1021

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

If your interest lies in the woods, this course will give you an opportunity to experience hands-on activities in the outdoors. You will learn deciduous and coniferous tree identification and tree inventory techniques such as timber cruising, log scaling and determining basal area. Learn harvesting and silviculture methods commonly performed in Minnesota. Examine tree diseases, insects, and defects commonly found in our trees. The final project will include developing a woodland stewardship plan for a woodland property of your choice. Yes, you will spend a great deal of time outside! Please be prepared with outdoor clothing. Students are eligible for FFA membership.

FOUNDATIONS IN MANUFACTURING

Course Number: 0902

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This course will provide instruction in foundational technologies used in engineering and manufacturing. Students will learn about design process and how it relates to manufacturing, and use that design process to make several manufactured parts. Students will use manual control machines as well as learn how to use Computer Numerical Control (CNC) machines. Programmable Logic Control (PLC) will also be studied with an industry standard Festo training system. Students will use the PLC language to control and coordinate the movement of motors and pneumatic actuators. Students will use a Power Systems training bench to gain understanding and applications of electric motors, gears, pulleys, sprockets and drives.

GET YOUR GREEN THUMB

Course Number: 1017

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Time to get your green thumb growing! Growing and caring for plants in the greenhouse and the community garden is the major focus of this course. Students will learn hands-on about factors that influence plant growth such as light, media, fertility and water as they relate to basic greenhouse and garden management. Other units of study may include floral design, fruits and vegetables, and hydroponics. Students will be required to complete a Supervised Agricultural Experience (SAE) project and involvement in FFA is encouraged as an integral part of the curriculum.



HORTICULTURE

Course Number: 1018

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: None

“Mary, Mary, quite contrary, how does your garden grow?” This question and more will be answered as you investigate principles of plant and soil science through practical application in the greenhouses and Agriculture Education Center. Basic plant science concepts students will study in this course include plant parts, growth, reproduction and health. This course is a hands-on experience involving an in-depth study of how these concepts relate to soils, fertilizers, landscaping, irrigation, floriculture and general plant production and marketing. Students will be required to complete a Supervised Agricultural Experience (SAE) project and involvement in FFA is encouraged as an integral part of the curriculum.

INTRODUCTION TO ROBOTICS

Course Number: 0911

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10

Prerequisite: None

Students will learn about automation and robotics, mechanical systems, and automated systems using a hands-on, minds-on approach. Students will build and program robots to achieve various tasks presented throughout the course.

LANDSCAPE DESIGN

Course Number: 1016

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This course will focus on the aspects of a well-planned landscape design. Students will study: plant identification, plant anatomy and physiology, soils and their properties, turf grass maintenance, nursery grown plant material and irrigation design, and installation principles. Hands on activities, field trips, and guest speakers will be incorporated into this class.

METAL FABRICATION

Course Number: 0905 (during the school day) or 0935 (evening class)

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Students will learn the materials and processes used in the metal fabrication industry. Students will learn to identify different types of metals and their properties. Students will use CAD software to design parts to be created in the shop, using available tools and machines. Technologies included in this course are welding, milling and turning with manually operated machines, CNC milling and plasma plate cutting.

Evening Class: Students who register for the evening Metal Fabrication class will have the opportunity to learn welding from professional welders who work in various industries in our community. The evening course will meet fall semester for 3 hours every Tuesday night from 5:30-8:30pm. In addition to Tuesday evenings, students will be required to attend periodic lab sessions throughout the semester. The evening class will count as 1 of a student's 8 fall semester classes, freeing students up one block during the school day.

MN HABITAT & WILDLIFE MANAGEMENT

Course Number: 1015

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This is an activity oriented course which focuses on the management of MN animals. The course will explore current concepts that Minnesota is using to manage animal populations, habitats and issues. Hands-on labs in this class will include: prairie grass identification, insect display, fishing pole building and activities of big game herds.

MN ROCKS & WATERS

Course Number: 0426

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: None

Concepts of geology and hydrology will be presented within a lab-based format suitable for all 11-12 grade students. This course will investigate not only the ways our state's geological past has created our natural resources, but also the ways we choose to make use of these resources. Students will construct plausible models for explaining the formation of the state's varied natural resources and examine current issues surrounding their use in today's society. Focus areas might include, but are not limited to: Frac sand mining, Karst and groundwater mitigation, aggregate use and applications, Iron range geology, Water quality issues, Copper/Nickel mining proposals, Geographic Information Software (GIS) use, flood diversion proposals on the Red River and any other relevant land and/or water related issues that develop. Students signing up for this class need to be able to work independently of others and collaboratively with others.

PRECISION AG

Course Number: 1024

Length/Credit: .5 credit – 1 semester

Grade Level: 1, 12

Prerequisite: None

This course will offer students a diverse range of experiences supporting them for a future in precision agriculture. Students will be challenged to problem solve agriculture issues with a forward thinking mindset of the future of livestock, crops and food production. Introduced to a variety of technologies used in the modern agriculture industry.

SMALL ENGINES

Course Number: 0929

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11, 12

Prerequisite: None

Small Engines is offered to any student in grades 10 through 12. It will cover all types of internal combustion engines with emphasis on the smaller two and four-cycle engines. Small Engine Theory will be studied to learn the history of generating power in equipment. Laboratory time will be devoted to disassembly, examination and analysis, and assembly of these engines.

WILDLIFE STUDIES

Course Number: 1011

Length/Credit: .5 credit – 1 semester

Grade Level: 11, 12

Prerequisite: MN Habitat & Wildlife Management

In this course, students will design and implement wildlife investigations. This exciting and challenging wildlife management course will take a science-based approach to identifying species population counts, habitat requirements and cultural factors. Students will also be required to apply their knowledge to create grade-appropriate lessons for elementary students.

WOODS

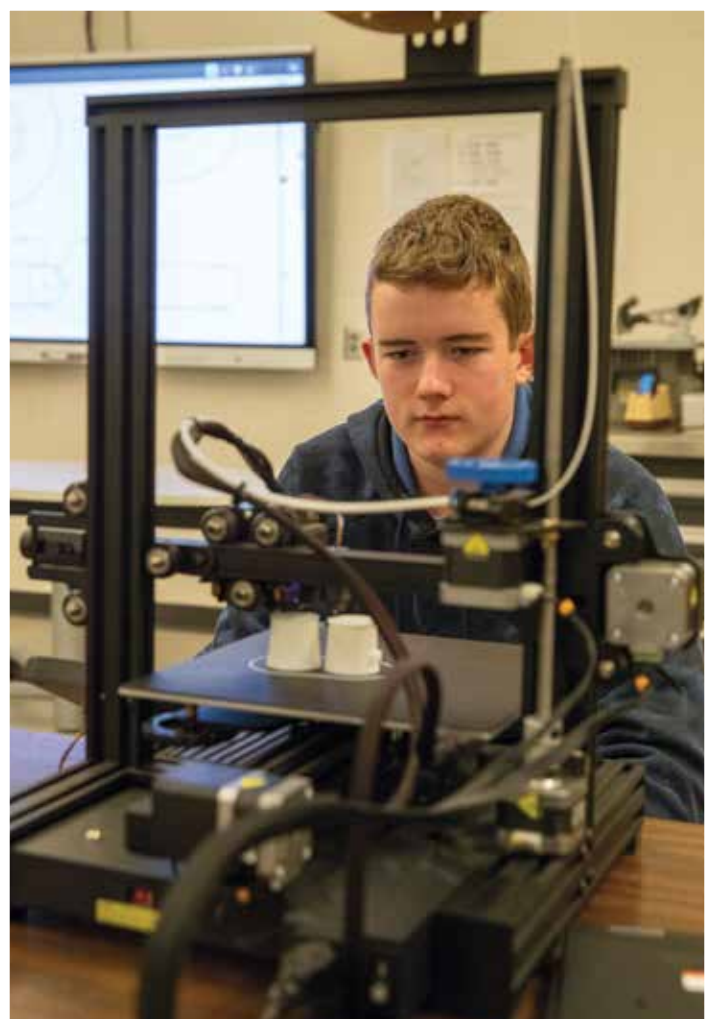
Course Number: 0922

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

Students in this course will use woods projects to learn design, fabrication joinery, and finishing techniques used in the woodworking industry. Students will study the different types of materials used in the woodworking industry including composite materials along with the many different varieties of woods used in industry. Students will learn the proper use of woodworking machinery while building projects that they have designed.



HSHS ACADEMY

Health Sciences & Human Services

HSHS Career Pathways:

Education and Training

Government and Public Administration

Health Sciences

Human Services

Law, Public Safety, Corrections, & Security



INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP

Watch for these symbols in the course descriptions.

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- The “star” by a course description indicates the course counts toward the AAHS “Arts” credit requirement for graduation.
- Practice CLEP tests are available in the College & Career Center to help determine your level of readiness to test. There is a \$89 fee for each CLEP test, plus a \$30 administrative fee. These fees are subject to change by The College Board and test centers.
- The ‘caps’ graphic by a course description reflects our membership in the CAPS (Center for Advanced Professional Studies) network of programs. This network enhances our Academies of Alexandria model. A ‘caps’ course involves a post-secondary partner and a business partner. Through our post-secondary partners, ‘caps’ coursework will allow students to earn both college and high school credit while working within the local partner business.

HSHS ACADEMY ADVISORY BOARD

Andrea Nelson Allyn, Heartland Orthopedic Specialists
 Claire Anderson, Academy Coach
 Julie Anderson, Douglas County Sheriff’s Office
 Whitney Barthel, Anderson Funeral Home
 Jordyn Cantalope, Alexandria Area Economic
 Development Commission Representative
 Chad Duwenhoegger, High School Principal
 Shelby Dvergsten, High School English Teacher
 Michelle Flaten, High School Social Studies Teacher
 Jeff Karrow, Alexandria Fire Dept
 Sarah Moore, Legial Services of NW MN
 Eddie Reif, Alomere Health
 Marty Schultz, City of Alexandria
 Ann Stehn, Horizon Public Health
 Alec Swanson, Alexandria Police Department
 Angie Urman, Knute Nelson
 Carrie Urness, School Counselor

HSHS Career Pathways

Grade	Health Sciences	Education and Training	Government and Public Administration	Human Services	Law, Public Safety, Corrections and Security
12	<ul style="list-style-type: none"> • CAPS (Healthcare) • Emergency Medical Responder • Organic Chemistry 	<ul style="list-style-type: none"> • CAPS (Teacher Education/ College Introduction to Education & Lab) 	<ul style="list-style-type: none"> • CAPS (Human Services) 	<ul style="list-style-type: none"> • CAPS (Human Services) 	<ul style="list-style-type: none"> • CAPS (Human Services) • Civic Service & Engagement • Emergency Medical Responder
11,12	<ul style="list-style-type: none"> • College General Psychology • Human Anatomy I • Human Anatomy II • Introduction to Psychology • Nrs Assist/Hm Hlth Aide • Prevention & Care of Injuries 	<ul style="list-style-type: none"> • College General Psychology • Introduction to Psychology • Prevention & Care of Injuries 	<ul style="list-style-type: none"> • College General Psychology • Introduction to Psychology • Law & Civil Liberties 	<ul style="list-style-type: none"> • College General Psychology • Introduction to Psychology • Law & Civil Liberties 	<ul style="list-style-type: none"> • College General Psychology • Human Anatomy I • Human Anatomy II • Introduction to Psychology • Law & Civil Liberties • Prevention & Care of Injuries
10,11, 12	<ul style="list-style-type: none"> • Forensic Science • Human Development II • Social Issues in Human Services 	<ul style="list-style-type: none"> • Basics of Coaching and Officiating • Human Development II • Social Issues in Human Services 	<ul style="list-style-type: none"> • Citizens Academy II • Human Development II • Social Issues in Human Services 	<ul style="list-style-type: none"> • Citizens Academy II • Human Development II • Social Issues in Human Services 	<ul style="list-style-type: none"> • Citizens Academy II • Forensic Science • Human Development II • Social Issues in Human Services
9,10, 11,12	<ul style="list-style-type: none"> • Health Careers • Human Development I • Human Service Careers 	<ul style="list-style-type: none"> • Human Development I • Human Service Careers 	<ul style="list-style-type: none"> • Citizens Academy • Human Development I • Human Service Careers 	<ul style="list-style-type: none"> • Citizens Academy • Human Development I • Human Service Careers 	<ul style="list-style-type: none"> • Citizens Academy • Human Development I • Human Service Careers

BASICS OF COACHING AND OFFICIATING

Course Number: 1307

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

In this course, we will examine and apply the basic principles of both coaching and officiating.

Throughout the duration of this course, we will learn about these principles using the sports Volleyball, Basketball, and Baseball/Softball. In the beginning of this class, we will explore coaching philosophy. You will have the opportunity to differentiate between a good and bad coach and ultimately create your own coaching mission statement. As we move through the course, coaching will be incorporated as we learn about each different sport through the lens of rules and officiating.



CAPS (HEALTHCARE)

Course Number: 1852-1853

Length/Credit: 1.0 credit – 1 semester

Grade Level: 12

Prerequisite: Health Careers and Human Anatomy I and preferably Human Anatomy II; Application (available in the College & Career Center)

This course will offer students a project-based study in the area of health sciences. With the use of patient care mannequins, students will learn how to assess vital signs and treat other minor ailments. CPR and First Aid training will be provided and students will become certified in these areas following the successful completion of the training. With the help of the medical staff from the community, simulation lessons will occur on topics such as suturing, casting and splinting, labor and delivery, operating room, and emergency medicine. Students will participate in several field experiences and a job shadow experience to explore various career opportunities within the healthcare field. This semester-long course meets for two consecutive blocks on alternating AB days.



CAPS (HUMAN SERVICES)

Course Number: 1854-1855

Length/Credit: 1.25 credit – 1 semester

Grade Level: 12

Prerequisite: Human Service Careers and preferably Social Issues in Human Services; Application (available in the College & Career Center)

This course will provide students with a *call to action* and the *ability to meaningfully* impact change within the community and beyond through authentic learning experiences. Students will have investigated the pathways (career opportunities) through the Human Service Careers course. This investigation becomes an analysis of the key social issues affecting our community and beyond the Social Issues in Human Services course. The application of those investigations comes into play when students collaborate with community groups/organizations/non-profits in working on those impact projects they want to lead or be involved in. **Due to the impact projects that will take place off campus, students will be required to provide their own transportation to and from the site.**

CAPS (TEACHER EDUCATION/COLLEGE INTRODUCTION TO EDUCATION & LAB)



Course Number: 1849-1850

Length/Credit: 1.25 credit – 1 semester

Grade Level: 12

Prerequisite: Social Issues in Human Services or Human Service Careers and Human Development I; Application (available in the College & Career Center)

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This course will offer students a project-based study in the area of teacher education. Students will be surrounded by a variety of experiences including classroom observations, internships, mentorships, networking, modeling, and practicum. Students will study educational pedagogy as the basis for the profession and will experience the many pathways within a career in education. This will prepare students through both foundational studies and field experience. Students will be collaborating with academy partners in the community, and will need parent permission and their own transportation to travel off-site. Strong communication, collaboration, creativity and critical thinking skills are necessary for this course as well as the ability to be self directed. This semester-long course meets for two consecutive blocks on alternating AB days. CAPS (College Introduction to Education and Lab) will be transcribed as ED 101 Introduction to Education and Lab (3 credits) at SMSU.

CITIZENS ACADEMY

Course Number: 0214

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

The course will provide an overview of the criminal justice system including experiences to work alongside professionals in the community; including various members of law enforcement and victim advocacy groups. Students will study the importance of personal safety and crime prevention. Students will experience a mock trial, court room scenarios, eyewitness testimony, civic engagement opportunities, and forensic investigation.

CITIZENS ACADEMY II

Course Number: 0224

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Citizens Academy

Students will learn substantive information about law, democracy, and human rights and apply them in a culminating experience of Mock Trial. Students will gain insights as to the inner-workings of the criminal justice system, government/public administration and law fields. Students will continue examining how law is related to values, human rights, and responsibilities within the framework of the U.S. Constitution. Emphasis will be placed on the Criminal Justice Process: The Investigation, Proceedings Before Trial, the Trial, the Court System, Sentencing & Corrections.

COLLEGE GENERAL PSYCHOLOGY

Course Number: 0205

Length/Credit: .75 High School Credit / 3 College Credits - 1 semester

Grade Level: 11,12

Prerequisite: Introduction to Psychology is recommended. See eligibility qualifiers in concurrent enrollment section page 8.

This course is a basic introduction to psychology. Topics include its history, research methods, biological factors in behavior, states of consciousness, sensation and perception, motivation and emotion, learning, intelligence, personality theories, human development, social behavior, and abnormal psychology. This course will expose learners to the basics of these topics. This course is an extension of the Introduction to Psychology course. Different topics and a deeper look into some similar topics will be covered in this college-level course. This course will be transcribed as PSYC 1445 General Psychology (3 credits) at ATCC.

EMERGENCY MEDICAL RESPONDER

Course Number: 0407

Length/Credit: .5 credit – 1 semester

Grade Level: 12

Prerequisite: Human Anatomy I

Following successful completion of this course, students will become certified as an Emergency Medical Responder within the state of MN. This course will enable students to develop the basic skills in emergency care, basic life support and first aid. These skills would be valuable for individuals interested in becoming a police officer, emergency medical technician, paramedic, first responder, or others interested in careers in health care.

FORENSIC SCIENCE

Course Number: 0413

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Citizens Academy

Forensic science is the application of basic biological, chemical and physical science principles to the investigation of crime scenes. Students will take on the role of crime scene investigator in order to collect and evaluate evidence in a problem-solving environment. Students will be asked to read, research, hypothesize, interview, compute and use deductive reasoning skills to propose crime solutions. Major themes of study in Forensic Science include securing a crime scene, entomology (insects as evidence), anthropology (skeletal remains), analysis of trace evidence (hair and fiber), bloodstain pattern analysis, fingerprinting and DNA. The final summative assessment requires student to apply their new forensic skills in processing and solving a mock crime scene on campus.



HEALTH CAREERS

Course Number: 1326

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10

Prerequisite: None

This class provides students with the opportunity to investigate a future career in health occupations. Students will evaluate their personal career interest and hear from professionals within the healthcare field.

HUMAN ANATOMY I

Course Number: 0406

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Biology or AP Biology

This course studies the structures and functions of the human body through content discussion and lab experiences. Topics covered include: general anatomical terminology, the study of human tissues, the integumentary system, the skeletal system, and muscular structure and function. Model making labs and dissection labs are used to facilitate instruction. This course is recommended for students interested in the science of the human body or those considering a career in any area of healthcare.

HUMAN ANATOMY II

Course Number: 0416

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Human Anatomy I

This course is a continuation of Human Anatomy I. Human Anatomy II consists of content discussions and laboratory experiences providing for understanding the structures and functions of the adult human body. Topics covered include: muscular system, general senses, special senses, circulatory system, digestive system, respiratory system, and reproductive system. Model making labs and dissection labs are used to facilitate instruction. This course is recommended for students interested in the science of the human body or those considering a career in any area of healthcare.



HUMAN DEVELOPMENT I

Course Number: 0217

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This course offers a lifespan view of the basic principles, modern research and theory of human development from prenatal to adolescence emphasizing the biopsychosocial framework and a cultural approach. Students will gain an understanding of how people change and how they stay the same over the course of their lives. Students will be introduced to the social, emotional, physical, cognitive and moral development that takes place during these stages. Along with an overview of human development the developmental stages covered in this course include prenatal, birth, infancy, early childhood and middle childhood to adolescence.

HUMAN DEVELOPMENT II

Course Number: 0218

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Human Development I recommended

This course offers a lifespan of the basic principles, modern research and theory of human development from adolescence to dying and bereavement emphasizing the biopsychosocial framework and a cultural approach. Students will gain an understanding of how people change and how they stay the same over the course of their lives. Students will be introduced to the social, emotional, physical, cognitive and moral development that takes place during these stages. The developmental stages covered in this course include adolescence, young and middle adulthood, late adulthood and dying and bereavement.

HUMAN SERVICE CAREERS

Course Number: 0220

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This course will provide students with the opportunity to investigate career pathways in Human Services and evaluate their career interests through authentic experiences and in class speakers. The course will include an understanding of the skill sets necessary in these career fields as well as related ethical issues. The focus of this course will include, but is not limited to, careers in education, counseling, social work, psychology, gerontology, government agencies, human resources, speech and language pathology, rehabilitation therapy, corrections, firefighting, etc.

INTRODUCTION TO PSYCHOLOGY

Course Number: 0206

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: None

An introductory class in psychology with units on the brain, learning processes, memory – including eyewitness testimony, workings of the mind—including criminal behavior, personality, and psychological disorders. Individual work is placed on self-concept, learning and personality development. The class is designed with experiments, behavior and personality studies that will interest students. Students that are choosing the career path of working with people in areas of Psychology, Education, Social Services, Business, Law and Criminal Justice will benefit from taking this course.

LAW & CIVIL LIBERTIES

Course Number: 0210

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Human Service Careers & Social Issues in Human Services recommended

This course provides new information, practical advice, and competency building activities designed to provide students with the ability to analyze, evaluate, and in some situations resolve legal disputes. This course approach to law-related education is to provide practical information and problem-solving opportunities that develop in students the knowledge and skills necessary for survival in our law-saturated society. This class is academically challenging and helps prepare students for future college plans.

NURSES ASSISTANT & HOME HEALTH AIDE (CNA)

Course Number: 1328

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 11,12

Prerequisite: Age 16 by the time of Certification Test (January & June); limited to 20 students per semester. Students need a Social Security number and Driver's License or State ID in order to complete the background check prior to clinical training.

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This semester long course presents curriculum to develop skills, attitudes, and knowledge essential in giving direct and supportive care as a Nursing Assistant in a long term care facility or as a Home Health Aide. The course meets OBRA requirements for training nurse assistants and home health aides and meets the Minnesota Board of Nursing standards. Skills are practiced and demonstrated in a supervised laboratory setting at AAHS, ATCC, and within a clinical environment. During the last month of the course, training will take place at a local long-term care facility under the supervision of one of the instructors. The class time schedule will change during clinical trainings. Student will receive a calendar the first day of class that will reflect this schedule. Students will be required to have 100% attendance during the clinical trainings. A Mantoux test is required prior to the start of clinical experiences and will be offered to students at school. Students will also be required to wear scrubs during clinical experiences.

Certification Test: Nurse Assistant/Home Health Aide test outs will be scheduled at ATCC upon completion of the CNA course. This course will be transcribed as PNSG 1640 Nursing Assistant/Home Health Aide (3 credits) at ATCC.

ORGANIC CHEMISTRY

Course Number: 0412

Length/Credit: .5 credit – 1 semester

Grade Level: 12

Prerequisite: AP Chemistry; Chemistry with instructor signature

Organic chemistry is a semester course in which the chemistry of organic carbon-containing compounds are introduced. An emphasis is placed on the naming of compounds and also the molecular structure of compounds are explored. Reaction types and reaction mechanisms will also be introduced. What is covered in lecture will be re-emphasized in the laboratory. This course is an excellent introduction for those students wishing to pursue a career in a science-related field.



PREVENTION & CARE OF INJURIES

Course Number: 1314

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Successful completion of Wellness/Fitness (1311) or Physical Education (1308)

This class is an elective course where students will learn how to prevent and care for various injuries through lecture and lab settings.

SOCIAL ISSUES IN HUMAN SERVICES

Course Number: 0221

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Human Service Careers

This course provides an in-depth study of contemporary social problems in the United States that create and impact human need. Included in this course will be critical discussion of the sociological perspectives of social problems as they relate to social class, poverty and discrimination. Upon completion, students should be able to recognize, define, analyze cause and effect, and propose solutions to these problems.



CORE CURRICULUM



ENGLISH/LANGUAGE ARTS



MATHEMATICS



SCIENCE



SOCIAL STUDIES

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP

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ENGLISH/ LANGUAGE ARTS



EDUCATION REQUIREMENT:

4 credits in Language Arts are required for graduation.

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

Course Number: 0155- 0156

Length/Credit: 1.0 High School Credit / 3 College Credits – Full Year

Grade Level: 11,12

Prerequisite: “A-” or higher grade average in English 10 or “B+” in English 11 is highly recommended to be successful in this class.

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This class emphasizes essay writing in conjunction with critiquing classic and contemporary literature. Students will sharpen their awareness of literature, language, and the writer’s craft. Above average reading and writing skills are essential for successful completion. This course is recommended for college prep students. This course is appropriate for students who have completed College Composition I their junior year and are seeking a course to continue to develop their writing and reading skills in preparation for post-secondary. Upon completion of course and Advanced Placement test, students may earn 3+ college credits depending on score and choice of college. Second semester of this course will be transcribed as LIT 120 Introduction to Literature (3 credits) at SMSU.

CLEP Consider taking the Analyzing & Interpreting Literature and College Composition and College Composition Modular CLEP test(s) if you don’t pass the AP exam.



COLLEGE AMERICAN STUDIES

Course Number: 0187, 0189, 0286, 0288

Length/Credit: 2.75 High School Credits / 12 College Credits – Full Year

Grade Level: 11

****Students may elect to take this class for high school credit only****

Prerequisite: “B+” or higher grade average in English 10 is highly recommended to be successful in this class.

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This College American Studies course will meet A and B days. Teachers from English and Social Studies departments will team-teach the course, which will fulfill all the requirements of Honors English 11 and Early/Recent U.S. History. This course will take a deeper look at American literature, expository composition skills and U.S. History from the time of early colonization to present. The course will stress organization, the process of writing, English grammar, mechanics, and style. Above average reading and writing skills are essential for successful completion. The rigor of this course will be college level for all students enrolled, whether taking it for high school credit only or college credit.

This course will be transcribed as:

- HIST 1401 US History to 1877 (3 credits) at ATCC
- HIST 1402 US History, 1877 to present (3 credits) at ATCC
- ENGL 1410 College Composition I (3 credits) at ATCC
- ENGL 2405 Modern American Literature (3 credits) at ATCC



COLLEGE COMPOSITION I

Course Number: 0186

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 11,12

Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

This class can meet part of the credit requirement for English 12. This course deals with the fundamentals of expository writing based on reading or personal experience. It stresses organization, the process of writing, English grammar, mechanics, and style. Emphasis is on the strategies of exposition as well as effective description and narration. This course will be transcribed as ENGL 1410 College Composition I (3 credits) at ATCC.



COLLEGE COMPOSITION I (ONLINE)

Course Number: 0148

Length/Credit: .75 High School Credit / 3 College Credits - 1 semester

Grade Level: 11,12

Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

This class can meet part of the credit requirement for English 12. This course deals with the fundamentals of expository writing based on reading or personal experience. It stresses organization, the process of writing, English grammar, mechanics, and style. Emphasis is on the strategies of exposition as well as effective description and narration. This course will be transcribed as ENGL 1410 College Composition I (3 credits) at ATCC.



COLLEGE COMPOSITION II

Course Number: 0188

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 11,12

Prerequisite: Grade of C or better in Composition I

This course is a continuation of Composition I with stress on analytical writing, research, and documentation of supporting evidence. Learners will understand the link between thinking and writing and will adapt their writing for different audiences and purposes. Some colleges require students to earn credit in both Composition I and II to meet their college freshman composition requirement. This course will be transcribed as ENGL 1420 Composition II (3 credits) at ATCC.



COLLEGE COMPOSITION II (ONLINE)

Course Number: 0149

Length/Credit: .75 High School Credit / 3 College Credits - 1 semester

Grades: 11, 12

Prerequisite: Grade of C or better in Composition I

This course is a continuation of Composition I with stress on analytical writing, research, and documentation of supporting evidence. Learners will understand the link between thinking and writing and will adapt their writing for different audiences and purposes. Some colleges require students to earn credit in both Composition I and II to meet their college freshman composition requirement. This course will be transcribed as ENGL 1420 Composition II (3 credits) at ATCC.



COLLEGE PUBLIC SPEAKING

Course Number: 0170

Length/Credit: .75 High School Credit / 3 College Credits - 1 semester

Grade Level: 11,12

Prerequisite: College Composition I recommended.

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This class can meet part of the credit requirement for English 12. This course covers the theories, practices, and methods of formal public speaking, group problem solving, critical listening, and critiquing. The class emphasizes researching, planning, and delivering timed speeches with cited information. This course will be transcribed as COMM 1415 Public Speaking (3 credits) at ATCC.



ENGLISH 9-1 and 9-2

Course Number: 0117-0118

Length/Credit: 1.0 credit - Full Year

Grade Level: 9

Prerequisite: None

English 9 covers reading, writing, and communication. It also exposes students to a variety of literature selections and genres. Fiction and nonfiction selections are included while studying the following: novels, narratives, short stories, poetry and plays. The students cover William Shakespeare's Romeo and Juliet along with other classic and contemporary works from a variety of authors studied throughout the year. Independent reading days are provided to strengthen students' individual reading skills. Writing is emphasized in ninth grade with the primary focus on multi-paragraph compositions and a research paper with source citations. Also included are narratives, essays, creative writing opportunities, and film analysis. Grammar and the mechanics of writing are reviewed and taught in conjunction with writing assignments. Formal and informal speeches and presentations are given by students throughout the year.

ENGLISH 10-1 and 10-2

Course Number: 0101-0102

Length/Credit: 1.0 credit - Full Year

Grade Level: 10

Prerequisite: English 9

This year-long course will focus on aspects of literature which will include short stories, novels, poetry and nonfiction texts. This study will enable students to develop an appreciation for literature, an ability to discuss ideas, an understanding of others' beliefs, and an awareness of common human experiences. The course will also include components of composition and speech. Students will be working to improve their writing and speaking skills so they will be able to speak and write confidently in situations they may commonly encounter.

ENGLISH 11-1 AND 11-2

Course Number: 0105-0106

Length/Credit: 1.0 credit - Full Year

Grade Level: 11

Prerequisite: English 10

This year-long course surveys the dominant themes and structures of our national literature, while focusing on the author's use of language to achieve purpose through word choice, style, figurative language, and grammatical structure. The course continues developing skills in reading, writing, grammar, vocabulary, and presentation.

ENGLISH 11-1 AND 11-2 (ONLINE)

Course Number: 0119-0120

Length/Credit: 1.0 credit - Full Year

Grade Level: 11

Prerequisite: English 10

Students must attend online classes the first week of the semester. In addition, there are a few mandatory attendance days throughout the semester. Daily attendance may be required for students whose grade falls below a C. The AAHS attendance policy will apply to required attendance days for online classes.

This year-long course surveys the dominant themes and structures of our national literature, while focusing on the author's use of language to achieve purpose through word choice, style, figurative language, and grammatical structure. The course continues developing skills in reading, writing, grammar, vocabulary, and presentation.

ENGLISH 12-1 and 12-2

Course Number: 0125-0126

Length/Credit: 1.0 credit - Full Year

Grade Level: 12

Prerequisite: English 11

In this year-long course, students will analyze and apply concepts of rhetoric, memoir, and documentary; study film techniques and write film analysis essays; read a variety of fiction and non-fiction texts, essays, and articles; create presentations; and develop their interpersonal skills.

ENGLISH 12-1 and 12-2 (ONLINE)

Course Number: 0121-0122

Length/Credit: 1.0 credit - Full Year

Grade Level: 12

Prerequisite: English 11

Students must attend online classes the first week of the semester. In addition, there are a few mandatory attendance days throughout the semester. Daily attendance may be required for students whose grade falls below a C. The AAHS attendance policy will apply to required attendance days for online classes.

In this year-long course, students will analyze and apply concepts of rhetoric, memoir, and documentary; study film techniques and write film analysis essays; read a variety of fiction and non-fiction texts, essays, and articles; create presentations; and develop their interpersonal skills. Because this is an online class, it requires students to be self-motivated and resourceful; if students are not successful in the online format, they may be rescheduled into an attendance-based section of English 12 instead.

HEALTH

Course Number: 1501
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

The health education program is designed to empower students with life skills to improve or maintain a higher level of social, mental/emotional, and physical wellness. Students in this course will discover information and learn the skills required to make effective health decisions in key aspects of their lives. This course covers health concerns for adolescents which include: nutrition, mental health, human sexuality, relationships, infectious and lifestyle disease, chemical health, and first aid. Students will learn through small group projects, small and large group discussions, teacher presentations, and individual reading and research.

PHYSICAL EDUCATION

Course Number: 1308
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

This course is designed to expose students to a variety of team sports, lifetime/leisure-time activities, and Wellness activities that will be aimed at helping students recognize the importance of lifetime fitness and maintaining an active lifestyle. The goal for students taking this course is to reach and sustain high levels of skill and health-related fitness.

ADDITIONAL GRADUATION REQUIREMENTS



MATHEMATICS



EDUCATION REQUIREMENT:

3 credits of mathematics are required for graduation.

ADVANCED ALGEBRA

Course Number: 0333-0334
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11,12
Prerequisite: Geometry or Honors Geometry

Students will learn to identify rates of change in different models of linear relationships and know characteristics of polynomial, exponential, radical and relational functions, functional notation; and terminology. They will translate between real-world situations and mathematical models using graphs; matrices; data tables, verbal descriptions, and algebraic expressions. Students will also generalize patterns and build mathematical models to describe and predict real situations.

GEOMETRY

Course Number: 0347-0348
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11
Prerequisite: Intermediate Algebra or Honors Intermediate Algebra

Students will study the geometric concepts of plane geometry, reasoning and proof, perpendicular and parallel lines, congruent triangles, quadrilaterals, proportion and similarity, right triangles, circles, transformations and properties of two- and three-dimensional figures.

HONORS ADVANCED ALGEBRA

Course Number: 0335-0336
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11

Prerequisite: Geometry or Honors Geometry; recommendation of current math teacher
 Students will learn to identify rates of change in different models of linear relationships and know characteristics of polynomial, exponential, radical and relational functions, functional notation; and terminology. They will translate between real-world situations and mathematical models using graphs, matrices, data tables, verbal descriptions, and algebraic expressions. Students will also generalize patterns and build mathematical models to describe and predict real situations. Honors Advanced Algebra will cover more material in depth and will be more rigorous than Advanced Algebra.

CLEP Consider taking the College Algebra and/or College Math CLEP tests.

HONORS GEOMETRY

Course Number: 0345-0346
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10

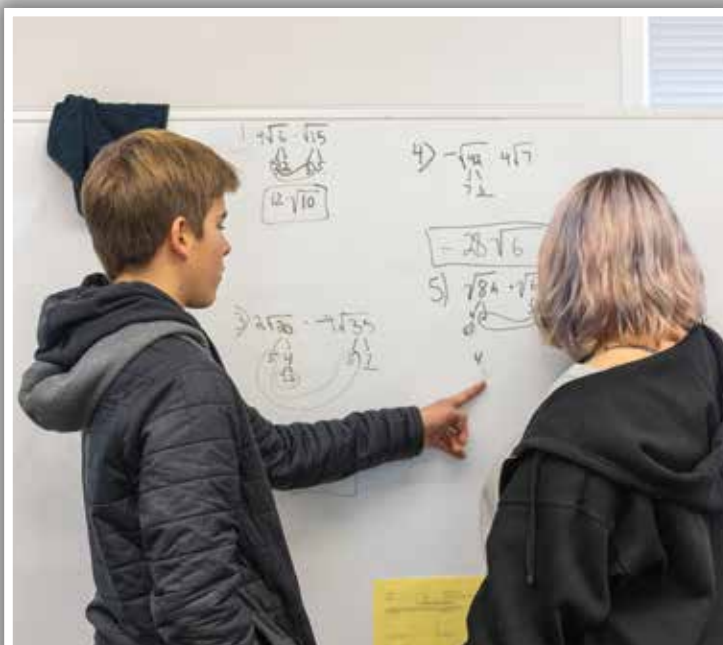
Prerequisite: Intermediate Algebra or Honors Intermediate Algebra; recommendation of current math teacher

Students will study the geometric concepts of plane geometry, reasoning and proof, perpendicular and parallel lines, congruent triangles, quadrilaterals, proportion and similarity, right triangles, circles, transformations and properties of two- and three-dimensional figures. Honors Geometry will cover more material in depth and will be more rigorous than Geometry.

INTERMEDIATE ALGEBRA

Course Number: 0308-0309
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10
Prerequisite: None

Students will develop the use of function notation, graphing, and operations for polynomial, exponential, and quadratic functions. They will use these skills to generalize patterns in real-world situations.



SCIENCE



EDUCATION REQUIREMENT:

3 credits of Science are required for graduation.

ADVANCED PLACEMENT BIOLOGY

Course Number: 0450-0451

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: Recommendation from current Science teacher

At the end of the course, students will be given the opportunity to take the Advanced Placement Biology exam in May. A score of 3, 4, or 5 may grant college credit. AP Biology is designed to offer students a strong foundation in a college level introductory biology course centered on enduring, conceptual understanding of four big ideas:

1. The process of evolution drives the diversity and unity of life.
2. Biological systems utilize free energy and molecular building blocks to grow, reproduce and to maintain dynamic homeostasis.
3. Living systems store, retrieve, transmit, and respond to information essential to life processes.
4. Biological systems interact, and these systems and their interactions possess complex properties.

Because much of what we know about our world today has come from investigative inquiry, the incorporation of inquiry and reasoning skills will be an essential part of the content covered. In addition, students will understand how the field of biology integrates with other sciences and how understanding biological issues will help them navigate their world as responsible citizens.

CLEP Consider taking the Biology CLEP test if you don't pass the AP exam.



ADVANCED PLACEMENT CHEMISTRY / COLLEGE GENERAL CHEMISTRY I & II

Course Number: 0458-0459

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Successful completion of 9th grade Physical Science with a grade of "B" or better; successful completion of 2 years of Algebra; Recommendation from current Science teacher

This course is intended for future science majors and minors, and for students interested in future pre-professional degrees in the medical and STEM fields (medicine, dentistry, veterinarian, physical therapy, chiropractor). Since this is a college level course students will be challenged in an accelerated learning environment and should expect to spend multiple hours of study beyond the normal school day. This course provides the learner with an understanding of the principles and theories of inorganic, physical, solution, and gas phase chemistry. It includes general chemistry I principles of atomic structure; stoichiometry; solutions; bonding; thermochemistry; electronic structure; periodic properties of the elements; properties of solids, liquids and gasses; molecular geometry; and intermolecular forces. It includes general chemistry II principles of intermolecular forces; solutions; solids; kinetics; chemical, acid-base, and solubility equilibria; thermodynamics; electrochemistry; and nuclear chemistry. The laboratory component introduces techniques, methods, and instrumentation to further the content taught in lecture. This course will be transcribed as CHEM 1500 General Chemistry I (4 credits) and CHEM 1505 General Chemistry II (4 credits) at ATCC.

CLEP Consider taking the Chemistry CLEP test if you don't pass the AP exam.



BIOLOGY

Course Number: 0421-0424

Length/Credit: 1.0 credit – Full Year

Grade Level: 10

Prerequisite: None

Through the use of phenomenon-driven storyline units, students will make sense of the natural world through the process of analyzing authentic data while integrating different areas of science together when they are necessary to solve a problem. Students will apply cross-cutting concepts and the practices of science to understand biological concepts such as ecology, homeostasis, genetics, disease, and evolution.

CHEMISTRY

Course Number: 0434-0435

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Successful completion of Physical Science; Successful completion of Intermediate Algebra recommended

An introductory inorganic chemistry course that covers basic chemical principles and how they apply to everyday life. Major areas of study include atomic theory, energy and matter, chemical reactions, bonding, periodicity, solutions, and acid-base chemistry.

COLLEGE GENERAL CHEMISTRY I

Course Number: 0462-0463

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Successful completion of Physical Science & Intermediate Algebra

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This course is intended for those students with an aptitude for math and science who want to earn a college level science credit. Since this is a college level course students will be challenged in an accelerated learning environment and should expect to spend time studying beyond the normal school day. This course provides the learner with an understanding of the principles and theories of inorganic, physical, solution, and gas phase chemistry. It includes general chemistry I principles of atomic structure; stoichiometry; solutions; bonding; thermochemistry; electronic structure; periodic properties of the elements; properties of solids, liquids and gasses; molecular geometry; intermolecular forces, kinetics; chemical, acid-base, and solubility equilibria; thermodynamics; electrochemistry; and nuclear chemistry. The laboratory component introduces techniques, methods, and instrumentation to further the content taught in lecture. This course will be transcribed as CHEM 1500 General Chemistry I (4 credits) at ATCC.



COLLEGE PHYSICS & LAB

Course Number: 0446, 0447, 0448, 0449

Length/Credit: 1.0 High School Credit / 4 College Credits – Full Year

Grade Level: 11,12

Prerequisite: Successful completion of Physical Science & Intermediate Algebra and Advanced Algebra

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

Are you interested in becoming a veterinarian, doctor, dentist, chiropractor, physical therapist, or science researcher? College Physics is a course that will help prepare you for these and many other careers, as well as meet college requirements. Students will learn concepts of physics by studying mechanics, energy, light, electricity, magnetism, and thermodynamics. Students will also spend much of class time designing and performing labs to meet the lab requirement for the class. These courses will be transcribed as PHYS 120 Introductory Physics (3 credits) and PHYS 120L Introductory PHY Lab (1 credit) at SMSU.



HONORS INTEGRATED SCIENCE

Course Number: 0471-0472

Length/Credit: 1.0 Credit – Full Year

Grade: 9

Prerequisite: Recommendation from current Science teacher (previous math and science scores will be considered). *If interest exceeds class size limit, criteria will be used to build a class list.

Honors Integrated Science introduces foundational chemistry and physics concepts in order to investigate Earth and Space Science topics during this required two semester course. The Chemistry concepts introduced provide experiences with matter, structure of atoms and molecules, chemical reactions, and nuclear chemistry. The Physics concepts introduced focus on interactions of matter and energy including motion, forces, heat, electromagnetic waves, light and sound. These Physics and Chemistry concepts are applied to Earth and Space Science investigations that allow students to understand Earth's water and soil systems, Earth structure and energy transfer, Earth's history, and the solar system and universe. This course will investigate topics at a deeper level than Integrated Science. Students will continue to develop their scientific skills through lab investigations, modeling, reading, data collection and interpretation, mathematical computation, and communication of their conclusions.

INTEGRATED SCIENCE

Course Number: 0467-0468

Length/Credit: 1.0 credit – Full Year

Grade: 9

Prerequisite: None

Integrated Science introduces foundational Chemistry and Physics concepts in order to investigate Earth and Space Science topics during this required two semester course. The Chemistry concepts introduced provide experiences with matter, structure of atoms and molecules, chemical reactions, and nuclear chemistry. The Physics concepts introduced focus on interactions of matter and energy including motion, forces, heat, electromagnetic waves, light and sound. These Physics and Chemistry concepts are applied to Earth and Space Science investigations that allow students to understand Earth's water and soil systems, Earth structure and energy transfer, Earth's history, and the solar system and universe. Students will continue to develop their scientific skills through lab investigations, modeling, reading, data collection and interpretation, and communicate their conclusions.

PHYSICS

Course Number: 0432-0433

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Successful completion of Physical Science and Intermediate Algebra (Algebra I) recommended

Students will design roller coasters, drop eggs, race balloons, make loud noises, make hair stand-up, and more while covering the laws of physics. You will apply several concepts of physics to real-life situations while studying motion, energy, matter, heat, light, sound, magnetism, and electricity. This course is designed for students that want to broaden their science knowledge through a lab-based class. Students interested in pursuing a science major in college are strongly encouraged to take College Physics rather than Physics.

PHYSICS IN MANUFACTURING I & II

Course Number: 0442-0443

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Successful completion of Physical Science and Intermediate Algebra (Algebra I) recommended

In this course students will apply manufacturing and physical science concepts to study the motion of an electric car. Students will study motion by applying concepts of Velocity, Acceleration, Inertia, Force, Momentum, Energy and Torque. Through the design of the car, students will apply the principles of Electricity, Thermodynamics, and Magnetism.

SOCIAL STUDIES



EDUCATION REQUIREMENT:

3.5 credits of social studies are required for graduation.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Course Number: 0222-0223

Length/Credit: 1.0 credit – Full Year

Grade Level: 9,10,11,12

Prerequisite: Instructor signature/recommendation from current social studies teacher

The Advanced Placement Human Geography course gives students the opportunity to earn college credit in geography while still in high school. More importantly, the content of an AP Geography course helps students develop critical thinking skills through the understanding, application, and analysis of the fundamental concepts of geography. Through AP Human Geography, students are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Students will meet the four college-level goals as determined by the National Geographic Standards. They also learn the methods and tools geographers use in their science and practice.



ADVANCED PLACEMENT UNITED STATES HISTORY

Course Number: 0250-0251

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Instructor signature/recommendation from current social studies teacher

At the end of the course, students will be given the opportunity to take the AP History exam. A score of a 3, 4, or 5 may grant college credit. The objective of this course is to increase the student's understanding of United States history from discovery to the present with the goal of having each student pass the AP Examination. The course is divided into two semesters, Discovery through the Gilded Age and The Road to Empire to the present. The areas of concentration include historical, political and economic history coupled with an intense study of cultural and intellectual institutions and their development. This course is taught at the college level. The major differences between a high school and college history course are the amount of reading and the focus. Most high school courses stress "What happened?" intending to provide enough background to ensure good citizenship. College courses stress "Why and How" things happen as well as the consequences of actions.

CLEP Consider taking the History of the US I (to 1877) and History of the US II (1865 to present) CLEP tests if you don't pass the AP exam.



ADVANCED PLACEMENT WORLD HISTORY: MODERN

Course Number: 0226-0227

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: Instructor signature/recommendation from current social studies teacher

AP World History: Modern is an introductory college-level world history course. Students will cultivate their understanding of world history and investigate significant events, individuals, developments, and processes from 1200 to the present. Students will analyze historical sources and learn to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.



COLLEGE AMERICAN GOVERNMENT

Course Number: 0216

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 12

Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

This class will meet the government graduation requirement. This course will focus on American government and politics, which offers a broad study of the nation's formal and informal political institutions; the U.S. Constitution; intergovernmental relations; electoral politics; and various debates about governance and politics in the United States. This course will be transcribed as POL Science 120 American National Government (3 credits) at SMSU.



COLLEGE AMERICAN STUDIES

Course Number: 0187, 0189, 0286, 0288

Length/Credit: 2.75 High School Credits / 12 College Credits – Full Year

Grade Level: 11

****Students may elect to take this class for high school credit only****

Prerequisite: "B+" or higher grade average in English 10 is highly recommended to be successful in this class.

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This College American Studies course will meet A and B days. Teachers from English and Social Studies departments will team-teach the course, which will fulfill all the requirements of Honors English 11 and Early/Recent U.S. History. This course will take a deeper look at American literature, expository composition skills and U.S. History from the time of early colonization to present. The course will stress organization, the process of writing, English grammar, mechanics, and style. Above average reading and writing skills are essential for successful completion. The course will prepare students for the rigor of the AP Literature and Composition course. The rigor of this course will be college level for all students enrolled, whether taking it for high school credit only or college credit.

This course will be transcribed as:

- HIST 1401 US History to 1877 (3 credits) at ATCC
- HIST 1402 US History, 1877 to present (3 credits) at ATCC
- ENGL 1410 College Composition I (3 credits) at ATCC
- ENGL 2405 Modern American Literature (3 credits) at ATCC



COLLEGE MACROECONOMICS

Course Number: 0215

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 12

Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

This class will meet the economics graduation requirement. The material covered will be national income analysis; determinants of GDP and the level of economic activity; unemployment; inflation and noninflationary full employment; government spending and taxation; the monetary system and Federal Reserve policy; international trade; and how other economic systems work. This course will be transcribed as ECON 202 Principles of Macroeconomics (3 credits) at SMSU.



COLLEGE UNITED STATES HISTORY TO 1877 (ONLINE)

Course Number: 0238

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 11, 12

Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

There are two mandatory attendance days during the semester. The AAHS attendance policy will apply to required attendance days for online classes.

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 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. This course will be transcribed as HIST 1401 US History to 1877 (3 credits) at ATCC.



COLLEGE UNITED STATES HISTORY, 1877 TO PRESENT (ONLINE)

Course Number: 0239

Length/Credit: .75 High School Credit / 3 College Credits – 1 semester

Grade Level: 11, 12

Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

There are two mandatory attendance days during the semester. The AAHS attendance policy will apply to required attendance days for online classes.

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 the use of primary documents will be emphasized. This course will be transcribed as HIST 1402 US History, 1877 to present (3 credits) at ATCC.



EARLY UNITED STATES HISTORY

Course Number: 0203

Length/Credit: .5 credit – 1 semester

Grade Level: 11

Prerequisite: None

This course will provide students an opportunity to explore the basic underlying philosophies that have gone into the making of the modern United States through a thematic approach to history. The themes covered will include Immigration, Population Trends, the Progressive Era, and the Labor Movement.

Core Curriculum

ECONOMICS

Course Number: 0252

Length/Credit: .5 credit – 1 semester

Grade Level: 12

Prerequisite: None

This class is an introductory course to economics with an emphasis on microeconomics. A student who successfully completes this course will have an understanding about choices made by different economic actors and their impact upon the American economy. This course will cover: Economic Choices, Supply, Demand, Pricing, and the interaction of different economic systems. This class will also spend time looking at the American economy from an individual consumer's view, emphasizing the world's current events impact on each American. The class will also introduce students to the general characteristics of a good consumer, this will include: budgeting, dealing with insurance, preparing for retirement, understanding credit and one's own credit ratings, understanding credit cards, preparing financially for college life and beyond, investing properly through the stock market, mutual funds, 401k/403b and other forms of investment.

ECONOMICS (ONLINE)

Course Number: 0255

Length/Credit: .5 credit – 1 semester

Grade Level: 12

Prerequisite: None

Students must attend online classes the first week of the semester. In addition, there are several mandatory attendance days throughout the semester. Daily attendance may be required for students whose grade falls below a C. The AAHS attendance policy will apply to required attendance days for online classes.

This class is an introductory course to economics with an emphasis on microeconomics. A student who successfully completes this course will have an understanding about choices made by different economic actors and their impact upon the American economy. This course will cover: Economic Choices, Supply, Demand, Pricing, and the interaction of different economic systems. This class will also spend time looking at the American economy from an individual consumer's view, emphasizing the world's current events impact on each American. The class will also introduce students to the general characteristics of a good consumer, this will include: budgeting, dealing with insurance, preparing for retirement, understanding credit and one's own credit ratings, understanding credit cards, preparing financially for college life and beyond, investing properly through the stock market, mutual funds, 401k/403b and other forms of investment. Because this is an online class, it requires students to be self-motivated and resourceful; if students are not being successful in the online format, they may be rescheduled into an attendance-based section of Economics instead.

GOVERNMENT

Course Number: 0253

Length/Credit: .5 credit – 1 semester

Grade Level: 12

Prerequisite: None

Government is designed to be a general study in the responsibilities and problems for individuals in today's world. This course provides study in American Government and Sociology.

GOVERNMENT (ONLINE)

Course Number: 0254

Length/Credit: .5 credit – 1 semester

Grade Level: 12

Prerequisite: None

Students must attend online classes the first week of the semester. In addition, there are several mandatory attendance days throughout the semester. Daily attendance may be required for students whose grade falls below a C. The AAHS attendance policy will apply to required attendance days for online classes.

Government is designed to be a general study in the responsibilities and problems for individuals in today's world. This course provides study in American Government and Sociology. Because this is an online class, it requires students to be self-motivated and resourceful; if students are not being successful in the online format, they may be rescheduled into an attendance-based section of Government instead.

RECENT UNITED STATES HISTORY

Course Number: 0202

Length/Credit: .5 credit – 1 semester

Grade Level: 11

Prerequisite: None

This course will provide students an opportunity to explore the basic underlying philosophies that have gone into the making of the modern United States through a thematic approach to history. The themes covered will include Power and Politics in the 20th Century (Imperialism, WWI, WWII, Cold War), Civil Rights, and an independent research project as a capstone project.

SOCIAL STUDIES 9

Course Number: 0200

Length/Credit: .5 credit – 1 semester

Grade Level: 9

Prerequisite: None

This course will focus on citizenship and gaining a basic understanding of government organization. It will address the following topics: 1) Historical context of the U.S. Government 2) Federal Government 3) State and Local Government 4) World Governments and Economic Systems.

WORLD HISTORY I

Course Number: 0211

Length/Credit: .5 credit – 1 semester

Grade Level: 10

Prerequisite: None

This course focuses on the development of Western Civilization. Units taught in this course include Greece and Rome, the Middle Ages, Renaissance and Reformation, Scientific and Industrial Revolutions and Nineteenth Century Imperialism.

WORLD HISTORY II

Course Number: 0212

Length/Credit: .5 credit – 1 semester

Grade Level: 10

Prerequisite: None

This course focuses on twentieth and twenty first century World History. Units taught in this course include World Wars I and II, Modern Middle East and Globalization.

GLOBAL ELECTIVES

ENGLISH/LANGUAGE ARTS

HEALTH & PHYSICAL EDUCATION

LIFE SKILLS & CAREER READINESS

MATHEMATICS

MUSIC ARTS

WORLD LANGUAGES

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP®

Watch for these symbols in the course descriptions.

- The “pillars” by a course description indicates that the course offers college credit or potential college credit through AP or CLEP testing opportunities.
- The “star” by a course description indicates the course counts toward the AAHS “Arts” credit requirement for graduation.
- Practice CLEP tests are available in the College & Career Center to help determine your level of readiness to test. There is a \$89 fee for each CLEP test, plus a \$30 administrative fee. These fees are subject to change by The College Board and test centers.
- The ‘caps’ graphic by a course description reflects our membership in the CAPS (Center for Advanced Professional Studies) network of programs. This network enhances our Academies of Alexandria model. A ‘caps’ course involves a post-secondary partner and a business partner. Through our post-secondary partners, ‘caps’ coursework will allow students to earn both college and high school credit while working within the local partner business.

ENGLISH/LANGUAGE ARTS

PHILOSOPHY

Course Number: 0190

Length/Credit: .5 credit - 1 semester

Grade Level: 11,12

Prerequisite: None

What is knowledge and how is it attained? Is civil disobedience ever justifiable? What is a just society? Does free will exist? Are human actions pre-determined? Students read articles and analyze films which provoke written and verbal examination of these ideas while participating in both class discussions and ongoing online discussions. Throughout the semester students explore the history of philosophy by examining the writings and ideas of both ancient and modern thinkers. This course is an elective only and does not meet any English credit requirements.

HEALTH & PHYSICAL EDUCATION

ADVANCED BODY FITNESS

Course Number: 1305

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Body Fitness

In this class, students will follow a program aimed to enhance their ability to perform athletic movements, increase performance, and improve overall fitness. Students will use strength training paired with cardiovascular fitness and performance-enhancing activities such as plyometric training. Students will learn how to implement a safe and effective training plan, empowering them to take control of their own personal fitness and performance levels. Students will learn about the importance of exercise and rest for improvement and/or maintenance of a healthy lifestyle. This class may be taken one or more semesters.

ADVANCED TEAM SPORTS

Course Number: 1303

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Team Sports

This course will cover the sports: Basketball, Slowpitch Softball, Ultimate Frisbee, Tchoukball, Volleyball, Kickball, Broomball, and possibly more if time allows. In each of these sports we will explore strategies and tactics in live gameplay. For each sport we play, there will be regular and postseason consisting of tournament play. Each student will have the opportunity to lead a team by being a Captain for one sport.

BODY FITNESS

Course Number: 1304

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

In this class students will utilize the Fitness and Performance Center to learn and practice strength training, plyometric training and functional strength training. Students will learn weight room safety procedures, proper lifting techniques and terminology as it applies to strength training. Students will experience fun and enjoyment while recognizing the value of physical activity.

LIFETIME RECREATIONAL SPORTS / ACTIVITIES

Course Number: 1324

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Successful completion of Physical Education

Course Fee: \$50

This class is designed for students to learn the rules, etiquette, and play of different sports and recreational activities. This course will involve diverse experiences in different places around the community and at the high school. Students will develop confidence and competence to participate in many activities that will help them be active for a lifetime. This course requires a \$50 fee to provide these diverse experiences, such as golfing, high ropes course, bowling, curling, fishing, sand volleyball and more.

TEAM SPORTS

Course Number: 1302

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Successful completion of Physical Education

This course will introduce students to the importance of physical activity as a component to a healthy lifestyle. This class will place emphasis on several different types of team sports. Students will be presented with the rules and regulations of each sport and practice the skills necessary to be successful.

U FIT

Course Number: 1306

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Successful completion of Physical Education

This course will introduce students to a variety of personal fitness activities to improve their personal fitness levels beyond the weight room. Activities include a variety of aerobic and conditioning activities, as well as flexibility and strength-building exercises.

UNIFIED PHYSICAL EDUCATION

Course Number: 1322

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Successful completion of Physical Education

This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness, and sports. Students from the mainstream setting will be mentors and leaders for students with disabilities. They will work together to increase competence and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students at AAHS.



LIFE SKILLS & CAREER READINESS

CAREER INTERNSHIP

Course Number: 1818-1819

Length/Credit: 1.0 credit – 1 semester

Grade Level: 12

Prerequisite: Application (available in the College & Career Center) & Senior Portfolio

Career Internship is a course for seniors who have demonstrated commitment to academics and significant exposure to coursework aligned with their career goals. During second semester students have the opportunity to intern with a local business/professional in a career of their choice. This could be interning with a professional, designing a product, or an extension of a CAPS project. The type of internship is determined by the student and local availability.

The individualized coursework, cooperatively designed by the student, coordinator, and mentor, is devised to be rigorous both in content and enrichment. Students are required to do professional readings and complete an advanced level project, as well as learn about advanced research, interpersonal relationships, communication, networking, and time management. This course will meet two blocks back to back semester two. This semester-long course meets for two consecutive blocks on alternating AB days.

CULTUROSITY

Course Number: 0670

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

Are you culturally curious? Do you enjoy learning about the cultures of other countries? This is your course. The course covers different cultural practices and enhances awareness of diverse ways of living. It includes European, Asian and Latin American cultures.

EMPLOYMENT EXPERIENCE

Course Number:

- 1808-1809 (work during school day for first credit of Employment Experience; must be working at least 10 hours per week)
- 1814-1815 (work after school day for one credit of Employment Experience; must be working at least 10 hours per week)
- 1816-1817 (work after school day for another credit of Employment Experience; must be working an additional 10 hours per week)

Length/Credit: 1.0 credit for each hour enrolled – Full Year

Grade Level: 12

Prerequisite: Students must have earned 21.0 credits at the beginning of Semester 1 and 25.0 credits at the beginning of Semester 2 to be eligible for 1808-1809 Employment Experience

Co-requisite: Concurrent enrollment in the Employment Skills Seminar required

Students receive credit for supervised employment experiences, and must work an average of 10 hours a week during the school year to earn .5 credit per semester (20 hours to earn 1 credit per semester) in Employment Experience. Students are limited to two credits of Employment Experience. Students must pass Employment Skills Seminar to earn Employment Experience credits.

EMPLOYMENT SKILLS SEMINAR

Course Number: 1806-1807

Length/Credit: 1.0 credit – Full Year

Grade Level: 12

Prerequisite: Must have confirmed and approved employment, off campus privileges, and driver's license to maintain class status.

Co-requisite: Concurrent enrollment in Employment Experience

Students will learn the skills needed to plan their future careers and transition from school to work. Topic areas include personal leadership development, work-based learning, safety in the workplace, skills for success, career planning, the job hunt, job satisfaction, and managing income. Students will create a personal portfolio. Students must be enrolled in Employment Skills Seminar to be released from school to go to work during their school day. Employment Skills Seminar is a full-year class. Students may not add this class at the start of Semester 2.

INTERNATIONAL FILM STUDIES

Course Number: 0669

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This course is an introduction to the study of international films that teaches the critical tools necessary for the analysis and interpretation of different cultures and societies. Storytelling is the most common way that we communicate to one another. Stories told with film have a tremendous influence on our attitudes and perceptions of the world around us. Emphasis will be on the French and Hispanic worlds.

PERSONAL FINANCE

Course Number: 0825

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: None

Personal Finance is a course designed to help students understand the impact of individual choice on career goals and future income potential. Financial topics covered will include income, banking, spending and credit as well as saving and investing. Students will create budgets; simulate use of checking and saving accounts; demonstrate knowledge of debt and credit management and evaluate and understand insurance and taxes. This course will provide a foundation for making informed personal financial decisions.

STUDY BLOCK

Course Number: 2005 (S1), 2006 (S2)

NO CREDIT: 1 semester

Grade Level: 9,10,11,12

Prerequisite: Students should make sure that they have earned enough credits toward graduation to afford to have a non-credited study block before registering for a study block.**

UNLESS IN-SCHOOL STUDY TIME IS A NECESSITY, STUDENTS ARE STRONGLY ADVISED TO EXPLORE AN ELECTIVE INSTEAD OF A STUDY BLOCK. Study Blocks are of benefit to students who are *self-motivated*, and are best utilized by students who are highly involved in extra-curricular activities, or who carry a demanding academic load, or a demanding work load outside of the school day, and thus, *need in-school time to study*.

**Students participating in co-curricular activities may be able to take 1-2 study blocks per year, but need to be cautious regarding which semester/s they are scheduled to maintain eligibility standards. Plan carefully with your counselor.

TEACHING ASSISTANT / STUDENT TUTOR

Course Number: 1822

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Application (available in the College & Career Center)

A student who is selected to be a teacher assistant / student tutor will be paired with a teacher to assist with a wide range of tasks in the classroom including supporting the efforts of the teacher, clarifying directions and providing tutoring to students, and performing technical and clerical tasks. Teaching assistants will be expected to attend class, communicate well with the coordinating teacher, and will be graded on a pass/fail basis. Teacher Assistant / Student Tutoring will provide students an opportunity to help others. This is an application only course, with placement based on classroom need.

TOP 20

Course Number: 1316

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This one-of-a-kind personal development course is designed to lead students through the three essential strategies for self-discovery: thinking, learning, & communicating. The goal of this course is to raise the probability that students will be empowered to reach their potential & find more success in high school & beyond. Some topics include: Thinking Effectively; expanding your comfort zone, monitoring your own moods & attitudes, developing your emotional intelligence, awareness of other people's opinions. Learning Strategies; listening, getting organized, goal-setting, eliminating distractions, developing study skills. Communicating; non-verbal's, getting along with family & friends, conflict resolution, learning how to get help when necessary.

YOUTH SKILLS TRAINING (YST)

Course Number: (see counselor)

Length/Credit: .5 - 2.0 credits - 1 semester to Multiple semesters

Grade Level: 11,12

Students at AAHS have a unique opportunity to participate in Youth Skills Training (YST) which is a job placement program. This program is sponsored by the MN Department of Labor and Industry and is designed to benefit both students and local industries in our communities. YST allows high-demand, high-growth industries to hire 16-17 year-old students in jobs that traditionally require applicants to be 18 years of age or older. These local partnerships provide students with related classroom instruction, safety training, industry-related credentials and paid work experience. The industries included are advanced manufacturing, agriculture, automotive, healthcare and information technology. This is a great way to get a jump start on employment skills and job specific training that can provide college and career readiness or direct career employment.

MATHEMATICS

ADVANCED PLACEMENT CALCULUS

Course Number: 0359-0360

Length/Credit: 1.0 credit – Full Year

Grade Level: 12

Prerequisite: Pre-calculus

At the end of the course, students will be given the opportunity to take the AP Calculus exam. A score of a 3, 4, or 5 may grant college credit. The AP Calculus course consists of a full high school academic year of work that is comparable to a semester course in calculus at colleges and universities. The topics include functions, limits, derivatives and integrals. Students will work with functions in a variety of ways: graphical, numerical, analytical and verbal.

CLEP Consider taking the Calculus CLEP test.



ADVANCED PLACEMENT PRECALCULUS / PRECALCULUS

Course Number: 0380-0381

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Honors Advanced Algebra or grade of A or B in Advanced Algebra

This course is a combination of AP Precalculus and Precalculus as the topics covered are the same. At the end of the course, students will have the option to take the AP Precalculus exam. This course covers the following: polynomial and rational functions; exponential and logarithmic functions; trigonometric and polar functions; and functions involving parameter vectors and matrices. This course will prepare students for success in AP Calculus and other college level math courses. The course will be coded as AP Precalculus on student transcripts.



ADVANCED PLACEMENT STATISTICS

Course Number: 0349-0350

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Honors Advanced Algebra or grade of A or B in Advanced Algebra

At the end of this course, students will be given the opportunity to take the AP Statistics exam. A score of 3, 4, or 5 may grant college credit and/or placement into a second semester of statistics at college. This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. An introductory course, similar to this, is typically required for college majors such as social sciences, health sciences and business. Science, engineering and mathematics majors usually take an upper-level calculus-based course in statistics, for which this AP Statistics course is effective preparation. Topics covered include: exploratory data analysis; planning a study; probability; and statistical inference.



COLLEGE ALGEBRA

Course Number: 0361

Length/Credit: .75 High School Credit / 3 College Credits - 1 semester

Grade Level: 11,12

Prerequisite: Advanced Algebra or Honors Advanced Algebra

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

Students will learn to identify rates of change in different models of linear relationships and know characteristics of polynomial, exponential, radical and rational functions; functional notation; and terminology. They will translate between real-world situations and mathematical models using graphs; matrices; data tables, verbal descriptions, and algebraic expressions. Students will also generalize patterns and build mathematical models to describe and predict real situations. This course will be transcribed as MATH 110 College Algebra (3 credits) at SMSU.

CLEP Consider taking the College Algebra and/or College Math CLEP tests if you don't earn a C or better in College Algebra.



PROBABILITY & STATISTICS

Course Number: 0390-0391

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Advanced Algebra (may take concurrently)

Similar to AP Statistics, this course will cover exploratory data analysis, planning a study, probability, and statistical inference at an introductory level. Projects will involve gathering, analyzing, and making inferences based on real-life data from the career pathways of all academies. The math required is Intermediate Algebra. This course will benefit students regardless of their post-secondary plans.

MUSIC ARTS

ADVANCED PLACEMENT MUSIC THEORY

Course Number: 1240-1241

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Prior musical performance experience and/or can demonstrate basic proficiency with musical notation



At the end of the course, students will be given an opportunity to take the AP Music exam. A score of a 3, 4, or 5 may grant college credit. Comprehensive Musicianship is a deep and diverse approach to music theory, style, performance practice, and music history. An attempt will be made to bring music of the highest possible quality to our students. Our scope will include all major style periods, music mediums, and examine many various musical practices from around the globe. This class is not a music appreciation class. Students will be challenged in an accelerated learning environment. Students will be instructed in analytical techniques, musical composition, and historical style practices. AP Music Theory will be offered every other year - 2024-2025, 2026-2027, etc.

SOUND PRODUCTION AND TECHNOLOGY

Course Number: 1239

Length/Credit: .5 credit - 1 semester

Grade Level: 10,11,12

Prerequisite: None

Audio technology has become an integral part of the musical world. It is vital that students wishing to pursue music beyond high school become familiar with current technology and systems used in professional music recording and production. In this class, you will learn how to utilize the latest technology to record and produce a variety of genres of audio, including Rock, Pop, Classical, and Podcasts, culminating in writing a song. You will also learn how to use sound reinforcement in a live concert setting to prepare for a possible career as a sound engineer.



Band

SYMPHONIC BAND

Course Number: 1221-1222

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: Audition with Band Director

Co-requisite: Participation in Pep Band is required

Symphonic Band is a performing group with students of comparable musical ability that will be selected for membership by audition. Symphonic Band will explore a wide variety of quality band literature, and students will demonstrate their performance skills through concerts given throughout the year. Marching Band and Jazz Band are offered to students within the music department as optional opportunities. Lessons and Pep Band occur outside of the scheduled class time and both are required for this course. There is a \$50 fee for students that use a school owned instrument.



VIKING BAND

Course Number: 1205-1206

Length/Credit: 1.0 credit – Full Year

Grade Level: 9,10,11,12

Prerequisite: Participation in 8th grade band or audition with Band Director

Co-requisite: Participation in Pep Band is required

Viking Band is a performing group open to students in grades 9-12 with prior musical experience. Students will explore a wide variety of high quality band literature and demonstrate their performance skills through concerts given throughout the year. Marching Band and Jazz Band are offered to students within the music department as optional opportunities. Lessons are required of Viking Band members and will be scheduled with the class several times a quarter. Pep Band occurs outside of the scheduled class time and is a requirement of this course. There is a \$50 fee for students that use a school owned instrument.



WIND ENSEMBLE

Course Number: 1219-1220

Length/Credit: 1.0 High School Credit / 2 College Credits - Full Year

Grade Level: 10,11,12

Prerequisite: Band Director approval

Co-requisite: Participation in Pep Band is required

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

Wind Ensemble is a college level performing group with an established instrumentation (at the discretion of the director). This group is reserved for students in grades 10-12 who demonstrate advanced musical ability and proficiency on their instrument. Students will explore a variety of quality band literature and will demonstrate their performance skills through concerts given throughout the year. Marching Band and Jazz Band are offered to



students with the music department as optional opportunities. Lessons and Pep Band occur outside of the scheduled class time and both are required for this course. There is a \$50 fee for students that use a school owned instrument. This course may be taken for college credit by Junior and Seniors and will be transcribed as MUSC 1408 College Wind Symphony (2 credits) at CLC.

Choir

CARDINAL CHOIR

Course Number: 1246-1247
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: Audition



Membership is open to Sopranos and Altos in grades 9-12 after an audition with the director. Auditions are competitive and evaluate vocal control and musical literacy. Previous membership in a choir is recommended, but not required. Cardinal Choir meets every-other day for the entire school year, and performs four concerts each year, with opportunities to sing in choral festivals across the state.

CONCERT CHOIR

Course Number: 1213-1214
Length/Credit: 1.0 High School Credit / 2 College Credits - Full Year
Grade Level: 10,11,12
Prerequisite: Choir Director approval
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.



Concert Choir is a college level elective. Membership is open to students grades 10 -12 by audition and selection. Auditions are typically competitive and are based on vocal control and music literacy. Previous membership in a choral ensemble is recommended. Concert Choir meets every-other day for the entire school year, and performs no less than six concerts each year (including Central Lakes Conference festival participation). An attempt is made to acquaint the student with the best types of choral literature. This course may be taken for college credit by Juniors and Seniors and will be transcribed as MUSC 1431 Concert Choir (2 credits) at CLC.

FRESHMAN TENOR/BASS CHOIR

Course Number: 1244-1245
Length/Credit: 1.0 credit – Full Year
Grade Level: 9
Prerequisite: Basic Placement Audition



Membership is open to any Freshmen Tenor/Bass voice who enjoys singing and wishes to further develop their abilities. Working together, developing vocal technique, and musical literacy are central to the class. Chorus meets every-other day for the entire school year, and performs three concerts each year, with opportunities to sing in choral festivals across the state.

Orchestra

PHILHARMONIA ORCHESTRA

Course Number: 1234-1235
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: Orchestral stringed instrument ability



Orchestra is designed to expand one's appreciation of music through performance techniques. This course provides opportunities to further one's technique through lessons, solos, ensembles, string orchestra and full orchestra. Orchestra is open to all students who play an orchestral stringed instrument. There is a \$50 fee for rental of school owned instruments for viola, cello and bass.

SINFONIA ORCHESTRA

Course Number: 1236-1237
Length/Credit: 1.0 High School Credit / 2 College Credits - Full Year
Grade Level: 9,10,11,12
Prerequisite: Orchestra Director approval
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.



Sinfonia is a college level performing group with an established instrumentation. Orchestra is designed to expand one's appreciation of music through performance techniques. This course provides opportunities to further one's technique through lessons, solos, ensembles, string orchestra, and full orchestra. This orchestra is open to all students who play a stringed instrument of a high collegiate ability. This course may be taken for college credit by Juniors and Seniors and will be transcribed as MUSC 1420 College String Orchestra (2 credits) at CLC.

WORLD LANGUAGES

FRENCH I

Course Number: 0624-0625
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: None

French I is an introduction to the language, culture, traditions and customs of French-speaking people. Study is based on acquiring the ability to converse in everyday situations and to understand the spoken word. Speaking and listening skills are stressed. An introduction to French cuisine is included in this class.

FRENCH II

Course Number: 0626-0627
Length/Credit: 1.0 credit – Full Year
Grade Level: Grades 10,11,12
Prerequisite: French I

French II is a continuation of French I on a more advanced level. In addition to speaking and listening, reading and writing skills are emphasized. The culture of all French speaking countries are studied in this level.

FRENCH III

Course Number: 0651-0652
Length/Credit: 1.0 Credit - Full Year
Grade Level: 11,12
Prerequisite: French II

French III emphasizes the development of communication skills (listening, speaking, reading and writing) to help students function effectively in real-life contexts. It provides a systematic review of grammatical structures necessary for successfully communicating in French. It stresses spontaneous conversation through the use of current videos, journal articles and literature.

FRENCH IV

Course Number: 0653-0654
Length/Credit: 1.0 Credit - Full Year
Grade Level: 12
Prerequisite: French III

Advanced French stresses the usage of the language through composition, conversation, oral presentations and grammar review. It stresses spontaneous conversation through the use of current videos, journal articles and literature.

WORLD LANGUAGES *Continued*....

FRENCH 102 (COLLEGE FRENCH III)

Course Number: 0655-0656

Length/Credit: 1.0 High School Credit / 4 College Credits - Full Year

Grade Level: 11,12

Prerequisite: French II

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

French 102 emphasizes the development of communication skills (listening, speaking, reading and writing) to help students function effectively in real-life contexts. It provides a systematic review of grammatical structures necessary for successfully communicating in French. It stresses spontaneous conversation through the use of current videos, journal articles and literature. This course will be transcribed as FREN 102 Beginning French II (4 credits) at SCSU.



FRENCH 201 (COLLEGE FRENCH IV)

Course Number: 0657-0658

Length/Credit: 1.0 High School Credit / 4 College Credits - Full Year

Grade Level: 12

Prerequisite: French III or French 102

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

French 201 stresses the usage of the language through composition, conversation, oral presentations and grammar review. It stresses spontaneous conversation through the use of current videos, journal articles and literature. This course will be transcribed as FREN 201 Intermediate French I (4 credits) at SCSU.



SPANISH I

Course Number: 0640-0641

Length/Credit: 1.0 credit Full Year

Grade Level: 9,10,11,12

Prerequisite: None

Spanish I introduces students to the language using a comprehension-based, culture-rich curriculum. Students will acquire basic skills: listening, reading, writing, and speaking. Cultural awareness will be included throughout the course, including holidays and celebrations. Music, games, conversations, and basic vocabulary help students use the language in authentic ways.

SPANISH II

Course Number: 0642-0643

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: Spanish I

Spanish II continues the study of the structure of the language and the expansion of vocabulary using the skills of understanding, speaking, reading, and writing. Students continue the study of culture and increase their conversational skills.

SPANISH III

Course Number: 0659-0660

Length/Credit: 1.0 Credit - Full Year

Grade Level: 11,12

Prerequisite: Spanish II

Spanish III reviews previous grammar and introduces advanced grammatical forms. Students increase and develop conversational and reading skills and are encouraged to use only Spanish in class.

SPANISH IV

Course Number: 0661-0662

Length/Credit: 1.0 Credit - Full Year

Grade Level: 12

Prerequisite: Spanish III

Spanish IV is conducted in Spanish and provides a systematic review of Spanish vocabulary, grammar and conversation patterns. Students will continue to build upon previously learned material by practicing advanced grammar, conversation, studying literature, videos, and culture.

SPANISH 201 (COLLEGE SPANISH III)

Course Number: 0680-0681

Length/Credit: 1.0 High School Credit / 4 College Credits - Full Year

Grade Level: 11,12

Prerequisite: Spanish II

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

Spanish 201 reviews previous grammar and introduces advanced grammatical forms. Students increase and develop conversational and reading skills and are encouraged to use only Spanish in class. This course will be transcribed as SPAN 201 Intermediate Spanish I (4 credits) at SCSU.



SPANISH 202 (COLLEGE SPANISH IV)

Course Number: 0682-0683

Length/Credit: 1.0 High School Credit / 4 College Credits - Full Year

Grade Level: 12

Prerequisite: Spanish III or Spanish 201

Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

Spanish 202 is conducted in Spanish and provides a systematic review of Spanish vocabulary, grammar and conversation patterns. Students will continue to build upon previously learned material by practicing advanced grammar, conversation, studying literature, videos, and culture. This course will be transcribed as SPAN 202 Intermediate Spanish II (4 credits) at SCSU.



GLOSSARY

AAHS: The abbreviation for Alexandria Area High School.

ACT: ACT assessment is a national college admissions test which includes five sections: writing, science, math, reading and English. Most colleges will accept a student's ACT scores as part of the admissions evaluation. Eleventh grade students take this assessment which is administered in the high school.

AP: Advanced Placement. Advanced Placement courses are designed by the College Board. In May, students take a test for each AP course in which they are enrolled; students who achieve a certain score may, if their college accepts the AP credit, receive college credit. There is a separate fee required for each AP test taken by the student. AP exam fee waivers are available, check with the school counselors.

Articulation Credit: Several Career and Technical Education courses which are offered at AAHS can be used for college credit upon enrollment in an applicable program at Alexandria Technical and Community College or North Dakota State College of Science. For ATCC articulated courses, students in grades 10, 11 or 12 who take a qualifying course and earn a grade of a B or better in that course will receive an articulated college credit certificate (valid for 5 years). Upon enrollment in an applicable program at ATCC the student will be able to use that certificate to transfer the high school course in as college credit as defined in the articulation agreement.

CAPS: Center for Advanced Professional Studies.

College: In contrast to a university, a college traditionally only offers undergraduate degrees and programs. (There are some exceptions to this definition).

College Admissions Test: A test often required by four-year colleges to help determine which students to admit to their school. The most common tests are the ACT and SAT.

College Fair: An event where people from colleges gather to talk with students and parents.

Concurrent enrollment: A program that provides high school students with the opportunity to take college-credit bearing courses taught by college-approved high school teachers, generally on the high school campus. The term "concurrent enrollment" is also used to describe students who are enrolled part time in a traditional school and taking classes after school or in the evening from a state-approved alternative program.

Corequisite: A required course that is to be taken simultaneously with another course.

Dual Enrollment: An enrollment plan that allows a student to earn credit in both a high school and college course at the same time.

FAFSA: The Free Application for Federal Student Aid. This form is required for any student who wants to be considered for need-based federal aid. Make sure you get your form in by the deadline! Visit <https://fafsa.gov> for more information.

Financial Aid: Need-based money awarded to qualified students to help pay for college.

FSA ID: An FSA ID is comprised of a username and password and can be used to log in to certain Federal Student Aid websites, such as the Free Application for Federal Student Aid (FAFSA®).

Grade Point Average (GPA): The average of a student's grades, typically based on a four-point scale.

Honors: Certain courses are designated as honors courses based on the challenging nature of the curriculum.

Mentor: An experienced individual who assists in the growth and development of others.

Post-Secondary: This term means "after the completion of high school." It typically refers to any education a person receives beyond or after high school, including four-year colleges and universities and community colleges.

Prerequisite: A required course that is to be completed before a student can take a next level course.

PSAT: An assessment developed by The College Board to determine college readiness. Students are assessed in the areas of critical reading, mathematics, and written expression in preparation for the SAT 1: Reasoning Test. The PSAT is offered once a year in October to any interested student for a nominal fee. Juniors taking the exam may qualify through their scores for the National Merit Scholarship program.

PSEO: An abbreviation that refers to "Postsecondary Enrollment Option", a program that allows high school students to earn college credit while still in high school through enrollment and successful completion of college-level courses. With traditional PSEO, these courses are generally offered on the campus of the postsecondary institution.

Resumé: A summary of a person's skills, activities and work experience often used when applying for a job.

SAT: A standardized test developed by The College Board that measures verbal, mathematical reasoning and writing skills. Four-year colleges use a student's score on this test as part of the admissions evaluation for entrance.

Secondary: This term refers to middle and high schools.

Technical / Community College: Schools that prepare students for certain jobs (technical college) or offer general education coursework (community college) to transfer to a four year college.

Transcript: A record of your academic history.

University: In contrast to a college, a university traditionally offers both undergraduate and graduate degrees and programs. (There are some exceptions to this rule).

General Information

NCAA CLEARINGHOUSE REQUIREMENTS (FOR INITIAL ELIGIBILITY AT DIVISION I OR DIVISION II COLLEGES)

DIVISION II REQUIREMENTS:

College-bound student athletes will need to meet these academic rules to practice, compete and receive athletics scholarships during their first year.

<http://www.ncaa.org/student-athletes/play-division-ii-sports>

Division II Full Qualifier
Complete 16 core courses (as defined by NCAA)
Earn a core-course GPA of at least 2.2
Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale
Graduate high school

Division II Partial Qualifier
Complete 16 core courses (as defined by NCAA)
Earn a core-course GPA of at least 2.0
Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale
Graduate high school

DIVISION II CORE COURSE REQUIREMENTS (16 Core Courses)
3 years of English
2 years of mathematics (Intermediate Algebra or higher)
2 years of natural/physical science
3 years of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses from any area above, foreign language, or comparative religion or philosophy

DIVISION I REQUIREMENTS:

College-bound student athletes will need to meet these academic rules to practice, compete and receive athletics scholarships during their first year.

<http://www.ncaa.org/student-athletes/play-division-i-sports>

Division I Full Qualifier
Complete 16 core courses (as defined by NCAA) Ten of the 16 core courses must be completed before the 7th semester (senior year) of high school. Once you begin your 7th semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA. Seven of these 10 core courses must be in English, math, or science
Earn a core-course GPA of at least 2.3
Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale
Graduate high school

Division I Academic Redshirt
Complete 16 core courses (as defined by NCAA)
Earn a core-course GPA of at least 2.0
Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale
Graduate high school

DIVISION I CORE COURSE REQUIREMENTS (16 Core Courses)
4 years of English
3 years of mathematics (Intermediate Algebra or higher)
2 years of natural/physical science
1 year of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses from any area above, foreign language or comparative religion/philosophy

For additional information on the NCAA Clearinghouse, go to

<http://www.ncaa.org/student-athletes/future>

NCAA STATUS DEFINITIONS:

Full Qualifiers may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I or II school.

Academic Redshirts (Division I) and Partial Qualifiers (Division II) may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment at an NCAA Division I or NCAA Division II school.

Nonqualifiers may NOT receive athletics scholarships or practice or compete during their first year of enrollment at an NCAA Division I or NCAA Division II school.

NCAA Core Courses (Continued next page)

NCAA CORE COURSES:

Core courses are defined, evaluated, and approved (or denied) for each U.S. high school by NCAA Clearinghouse. Be sure you know which AAHS courses are approved as core courses by NCAA. Only courses that appear on our school's approved List of NCAA Courses will be used in the calculation of the core GPA.

Visit <https://web3.ncaa.org/hportal/exec/hsAction>

and choose List of NCAA courses and/or use the list below as a guide.

English
CAS- COMPOSITION I/LITERATURE
CAS- HON ENGLISH 11-1
COLLEGE COMPOSITION I
COLLEGE COMPOSITION II
COLLEGE PUBLIC SPEAKING
CREATIVE WRITING
ENGL LIT/COMP/AP
ENGLISH 9
ENGLISH 10-1
ENGLISH 10-2
ENGLISH 11-1
ENGLISH 11-2
ENGLISH 12-1
ENGLISH 12-2

Mathematics
ADVANCED ALGEBRA
CALCULUS AB/AP
COLLEGE ALGEBRA
GEOMETRY
GEOMETRY/H
HONORS ADVANCED ALGEBRA
HONORS INTERMEDIATE ALGEBRA
INTERMEDIATE ALGEBRA
PRECALCULUS/H
PROBABILITY & STATISTICS
STATISTICS/AP

Additional Core Courses
FRENCH I
FRENCH II
FRENCH III
FRENCH IV
PHILOSOPHY
FRENCH 102
FRENCH 201
SPANISH 201
SPANISH 202
SPANISH I
SPANISH II
SPANISH III
SPANISH IV

Social Studies
CAS- US HIST 1877 TO PRSNT
CAS- US HISTORY TO 1877
COLLEGE AM GOV
COLLEGE GENERAL PSYCHOLOGY
COLLEGE MACROECONOMICS
COLLEGE US HISTORY TO 1865
COLLEGE US HISTORY SINCE 1865
COLLEGE US HISTORY TO 1877
COLLEGE US HISTORY, 1877 TO PRESENT
EARLY US HISTORY
ECONOMICS
GOVERNMENT
HUMAN GEOGRAPHY/AP
INTRO PSYCHOLOGY
LAW & CIVIL LIBERTIES
RECENT US HISTORY
SOCIAL STUDIES 9
US HISTORY/AP
WORLD HISTORY I
WORLD HISTORY II

Natural / Physical Science
ASTRONOMY & METEOROLOGY
BIOLOGY
BIOLOGY/AP
CHEMISTRY
CHEMISTRY/AP/COLLEGE GENERAL
CHEMISTRY I & II
COLLEGE GENERAL CHEMISTRY
COLLEGE PHYSICS
COLLEGE PHYSICS LAB
ENVIRON SCIENCE
FORENSIC SCIENCE
HONORS PHYSICAL SCIENCE 9
HUMAN ANATOMY I
HUMAN ANATOMY II
MN ROCKS & WATERS
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