



ALEXANDRIA AREA HIGH SCHOOL

2019-20 Course Catalog

*Registration information for students
entering Grades 9-12*



Vision

“Our vision is to be an extraordinary school district that tailors learning for each child, by working together.”

SCHOOL BOARD MEMBERS

Dean Anderson, Chair
 Dave Anderson, Vice Chair
 Pam Carlson, Clerk/Treasurer
 Bob Cunniff, Director
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 Sandy Susag, Director
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Lisa Otte, Dean of Students



Linda Maiers, Counselor EMTNR Academy



Meghan Orgeman, Counselor 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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General Information

SCHOOL START/END TIME REGULAR SCHOOL DAYS

A Day	B Day		
Period 1	Period 5	8:25-9:51	
Period 2	Period 6	9:58-11:24	
Period 3	Period 7	11:31-1:32	Class Time
1 st Lunch	1 st Lunch	11:24-11:59	12:06-1:32
2 nd Lunch	2 nd Lunch	12:16-12:51	11:31-12:16 & 12:58-1:32
3 rd Lunch	3 rd Lunch	12:57-1:32	11:31-12:57
Period 4	Period 8	1:39-3:05	

AAA ADVISORY/OPTIONS HOUR DAYS

A Day	B Day		
Period 1	Period 5	8:25-9:39	
AAA/ Options	AAA/ Options	9:46-10:26	
Period 2	Period 6	10:33-11:47	
Period 3	Period 7	11:54-1:44	Class Time
1 st Lunch	1 st Lunch	11:54-12:24	12:30-1:44
2 nd Lunch	2 nd Lunch	12:30-1:00	11:54-12:30 & 1:06-1:44
3 rd Lunch	3 rd Lunch	1:14-1:44	11:54-1:08
Period 4	Period 8	1:51-3:05	

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.

SAMPLE SCHEDULE KEY

Black = Core Curriculum Coursework

Red = Academy or Global Elective Options



9TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

Period	A Day	Period	B Day
1	English 9	5	Physical Science 9
2	Freshman Seminar or Social Studies 9	6	Intermediate Algebra
3	Arts	7	Wellness/Fitness
4	Elective	8	Elective or Study Block

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.

General Information

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.....	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 (or Fundamentals of Intermediate Algebra or Honors Intermediate Algebra)	1.0 Credit
• Geometry (or Geometry and Construction or Honors Geometry)	1.0 Credit
• Advanced Algebra (or Honors Advanced Algebra).....	1.0 Credit
SCIENCE	3.0 CREDITS
• Physical Science 9 (or Honors Physical Science 9).....	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	
– Physics	
– Physics in Manufacturing I & II	
– College Physics & Lab	
HEALTH & PHYSICAL EDUCATION	0.5 CREDIT
• Wellness/Fitness.....	0.5 Credit
ARTS (Qualifying classes are marked with a ★ on pages 10-11 and in course descriptions)	1.0 CREDIT
ELECTIVES	14 CREDITS
TOTAL CREDITS	29 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, Discrete Math I and II, Probability & Statistics, AP Statistics, Honors 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
	<small>(unless a grade of "S" is assigned at a teacher's discretion)</small>		

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. However, an "S" grade (which is credit-earning) may be granted in place of an "F" if, in the opinion of the teacher, the student is working up to his/her potential.

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. The highest grade earned will be calculated into GPA/Class Rank and credit-counts.

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.

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:

2019-20 SCHOOL YEAR	After SEMESTER 1	After SEMESTER 2
Grade 9	3.25	7.25
Grade 10	10.5	14.5
Grade 11	17.75	21
Grade 12	25	29

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

OTHER

Rainbow Strings	MSHSL sponsored:	DECA	WE ACT
Jazz Band	Band, Choir, &	NHS	Student Council
Carolers	Orchestra events	FFA	First Robotics
Theatre Arts	Speech	SLAM	Sports Medicine
Marching Band	Math Team	VIBE	Assistants
	Knowledge Bowl	Mock Trial	



COLLEGE CREDIT OPPORTUNITIES AT ALEXANDRIA AREA HIGH SCHOOL

TRANSFERRING COLLEGE CREDITS:

For planning purposes regarding whether concurrent enrollment courses at AAHS through ATCC, CLC, SCSU, or SMSU 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.

- For Alexandria Technical & Community College (ATCC) -- http://atc.custhelp.com/app/answers/detail/a_id/138
- For Central Lakes College (CLC) -- <http://www.clcmn.edu/transcripts/>
- For Riverland Community College (RCC) -- <https://www.riverland.edu/student-services/registrars-office/transcripts/>
- For St. Cloud State University (SCSU) -- <https://www.stcloudstate.edu/srfs/transcripts/>
- For SMSU College Now -- <http://www.smsu.edu/campuslife/registrationrecords/?id=2200>

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

College Credit Opportunities at Alexandria Area High School

***See your counselor for more information about the college credit opportunities. Information about transferring these college credits can be found on page 7.

	AAHS College Credit Courses	College Credit may be earned in the following ways:
Advanced Placement (AP)	AP English Literature & Composition AP US History AP Calculus AP Human Geography AP Statistics AP Biology AP Chemistry AP Music Theory AP Studio Art	College Credits are determined by scores on AP Exams and individual College AP Credit Policies. To find out the AP policies of the colleges you're interested in, go to: http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp
<p style="text-align: center;">Concurrent Enrollment</p> <p>Af = ATCC Full Qualifier Requires Accuplacer Rdnng 78 or ACT Rdnng 21 AND ACT Eng 18</p> <p>Am = ATCC Mid Qualifier Requires ACT Rdnng 21 or MCA Rdnng 1047</p> <p>Ap = ATCC Partial Qualifier Requires Accuplacer Rdnng 55</p> <p>Cf = CLC Full Qualifier Requires Accuplacer Rdnng 78 or ACT Rdnng 21 AND ACT Eng 18; AND for gr 11--3.0 cumulative GPA, for gr 12--2.5 cumulative GPA.</p> <p>Cp = CLC Partial Qualifier Requires Accuplacer Rdnng 56 or ACT Rdnng 21 or MCA Rdnng 1047; AND for gr 11--3.0 cumulative GPA, for gr 12--2.5 cumulative GPA</p> <p>R = RCC Qualifier Requires Accuplacer Rdnng 63 or ACT Rdnng 16 or MCA Rdnng 1046</p> <p>Sc = SCSU Qualifier Requires for gr 11--class rank or ACT composite %tile of 66+, for gr 12--class rank or ACT composite %ile of 50+</p> <p>Sm = SMSU Qualifier Requires 3.0 cumulative GPA AND for gr 11--class rank %ile of 67+ or ACT composite %ile of 70+, for gr 12--class rank or ACT composite %ile of 50+</p>	<p style="text-align: center;">High School Course (and Qualifier)</p> AP English Literature & Composition (Sm) AP Human Geography (Cp) CAPS College Intro to Education & Lab (Sm) CAPS College Principles of Marketing (R) CAS <u>Composition I (Af) / Literature</u> CAS <u>Composition I / Literature (Sm)</u> CAS US History to 1877 (Am or Af) CAS US Hist 1877 to Present (Am or Af) College Algebra (Sm) College American Government (Sm) College Composition I (Af) College Composition I online (Cf) College Composition II (Af) College Composition II online (Cf) College Computer Concepts & Applications online (R) College General Psychology (Am or Af) College Macroeconomics (Sm) College Physics (Sm) College Physics Lab (Sm) College Public Speaking (Am or Af) College US Hist to 1865 online (Cp or Cf) College US Hist Since 1865 online (Cp or Cf) French 102 (Sc) French 201 (Sc) Nrs Assist/Hm Hlth Aide (Ap or Am or Af) SMSU Spanish 201 (Sm) SMSU Spanish 202 (Sm)	<p style="text-align: center;">College Course</p> LIT 120 Introduction to Literature 3 Credits SMSU GEOG 1459 Cultural Geography 3 Credits CLC ED 101 Introduction to Education & Lab 3 Credits SMSU BUSA 2043 Principles of Marketing 3 Credits RCC ENGL 1410 Composition I 3 Credits ATCC LIT 100 Literature: Human Diversity 3 Credits SMSU HIST 1401 US History to 1877 3 Credits ATCC HIST 1402 US History, 1877 to present 3 Credits ATCC Mathematics 110 College Algebra 3 Credits SMSU Political Science 120 American National Government 3 Credits SMSU ENGL 1410 Composition I 3 Credits ATCC ENGL 1410 Composition I 4 Credits CLC ENGL 1420 Composition II 3 Credits ATCC ENGL 1411 Composition II 4 Credits CLC BUSA 1060 Computer Concepts and Applications 3 Credits RCC PSYC 1445 General Psychology 3 Credits ATCC Economics 202 Principles of Macroeconomics 3 Credits SMSU Physics 120 Introductory Physics 3 Credits SMSU Physics 120L Introductory Physics Lab 1 Credit SMSU COMM 1415 Public Speaking 3 Credits ATCC HIST 1472 United States History to 1865 3 Credits CLC HIST 1473 United States History Since 1865 3 Credits CLC French 102 Beginning French II 4 Credits SCSU French 201 Intermediate French I 4 Credits SCSU PNSG 1640 Nursing Assistant/Home Health Aide 3 Credits ATCC Spanish 201 Intermediate Spanish I 4 Credits SMSU Spanish 202 Intermediate Spanish II 4 Credits SMSU
<p style="text-align: center;">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 style="text-align: center;">AAHS Course</p> College American Studies College Composition I AP English Literature/Composition AP US History Advanced Algebra Honors Advanced Algebra College Algebra Honors Pre-Calculus AP Calculus (one or both semesters) AP Biology AP Chemistry	<p style="text-align: center;">Suggested CLEP Exam</p> American Literature, College Composition, College Composition Modular, History of the US I, History of the US II College Composition, College Composition Modular Analyzing & Interpreting Literature, College Composition, College Composition Modular History of the US I, History of the US II College Algebra, College Math College Algebra, College Math College Algebra, College Math Pre-Calculus Calculus Biology Chemistry

General Information

COLLEGE CREDIT OPPORTUNITIES AT ALEXANDRIA AREA HIGH SCHOOL

	Alexandria Area High School College Credit Courses	College Credit may be earned in the following ways:
Project Lead the Way (PLTW)	<p>Project Lead the Way offers a dynamic high school program that provides students with realworld learning and hands-on experience.</p> <p>Computer Integrated Manufacturing (CIM) Introduction to Engineering Design (IED) Principles of Engineering (POE)</p> <p>Many Colleges and Universities across the nation are PLTW Affiliate Partners including those listed at https://www.pltw.org/our-partners/college-and-university-partners/minnesota PLTW classes are nationally standardized project-based courses that prepare students for college-level work and culminate with a student assessment, which colleges and universities can use to determine if a student earns college credit. The following are ways post-secondary institutions articulate with PLTW (some institutions define these terms differently, so please verify before making assumptions). Check if the colleges you're interested in offer any of the following PLTW opportunities. →</p>	<p>Course Substitution Credit: PLTW course substitutes for a program course. Treated similar to AP or transfer credit.</p> <p>Advanced Standing Credit: PLTW course eliminates the need for an elective course; or gives them no course credit, but gives them credit to advance their class standing (i.e. early registration, parking preferences, early financial assistance increase due to reaching junior status quicker).</p> <p>Partial Course Credit: Grant partial credit for a course, thus reducing the tuition to the student, but not the time.</p> <p>Bridge Courses: Course designed specifically to fill any gaps between the PLTW courses and related program courses.</p> <p>Retro-Credit Model: Students that successfully complete a higher level course in a sequence are granted program credit for a prerequisite course.</p> <p>Test-out or Challenge Exam: Students are allowed to sit for a challenge exam, which upon successful completion will give them credit for the program course.</p> <p>Scholarship Partner: Students are awarded a scholarship or grant based upon their enrollment in PLTW programs or course(s). Students are eligible to apply for scholarships, specifically designated for PLTW students.</p> <p>Admissions Preference Partner: PLTW courses act as one of the required courses for admissions, such as a science or math equivalency courses. PLTW programs or courses are part of their weighted admissions requirements used when accepting students into the institution or degree program. PLTW enrollment grants automatic enrollment into the institution or degree program.</p>
North Dakota State College of Science Articulation Agreement	<p>Complete the following at AAHS:</p> <p>Culinary Arts I Culinary Arts II Cardinal Café (Culinary Arts III) Portfolio</p>	<p>Earn toward NDSCS Culinary Arts Program:</p> <p>CULN 100 Culinary Fundamentals (3 credits)</p>
Runestone Partnership Tech Prep Agreements	<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 or Accounting II Computer Integrated Manufacturing (CIM) Introduction to Engineering Design (IED) Introduction to Networks Principles of Engineering (POE)</p>	<p>When you enroll in an <i>applicable program at ATCC</i>, 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) MACH1523 Machine Tool Theory I (1 of 3 credits) MACH 2523 Intro to Computer Aided Manufacturing (1 of 3 credits) MACH1505 Blueprint Reading/Geo Tolerancing I (1 of 2 credits) MFGT1550 Engineering Drafting (1 of 2 credits) CVNP1603 Cisco I (3 credits) MEDR1601 Engineering Drawing I (1 of 3 credits) MFGT1560 Mechatronics I (1 of 3 credits)</p>
Post Secondary Enrollment Options (PSEO)	<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
- ! = Teacher 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	3.00	11
0186	* College Composition I	0.75	11,12
0148	* College Composition I (online)	1.00	11,12
0188	* College Composition II	0.75	11,12
0149	* College Composition II (online)	1.00	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
0125-0126	* English 12-1 and 12-2	1.00	12
0121-0122	*English 12-1 and 12-2 (online)	1.00	12

FRESHMAN ACADEMY

1830	Freshman Academy Registration	0.00	9
1800	Freshman Seminar	0.50	9

HEALTH / PHYSICAL EDUCATION REQUIREMENT

1311	Wellness/Fitness	0.50	9,10,11,12
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MATH REQUIREMENTS

0333-0334	* Advanced Algebra	1.00	10,11,12
0347-0348	* Geometry	1.00	10,11
0339-0340	* Geometry (Geometry and Construction)	2.00	10,11
0939-0940			
0335-0336	* Honors Advanced Algebra	1.00	10
0345-0346	* Honors Geometry	1.00	9
0308-0309	Intermediate Algebra	1.00	9,10

SCIENCE REQUIREMENTS

0450-0451	!AP Biology	1.00	10,11,12
0444-0445	!* AP Chemistry	1.00	11,12
0421-0424	Biology	1.00	10
0434-0435	* Chemistry	1.00	11,12
0446-0447	* College Physics and Lab	1.00	11,12
0448-0449			
0414-0415	! Honors Physical Science 9	1.00	9
0400-0401	Physical Science 9	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
0286-0288	* CAS: US History to 1877 & 1877 to Present		
0187-0189	* CAS: Honors English 11 & Composition I/Literature	3.00	11
0216	* College American Government	0.75	12
0215	* College Macroeconomics	0.75	12

0248	*College United States History to 1865 (online)	0.75	11,12
0249	*College United States History Since 1865 (online)	0.75	11,12
0203-0202	Early U.S. 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

1831	BCE Academy Registration	0.00	10,11,12
0715	⊕ 3D Animation	0.50	10,11,12
0718-0719	*3D Animated Movie Making	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	10,11,12
0753	⊕ *Advanced Digital Art	0.50	10,11,12
0717	⊕ *Advanced Pottery & Sculpture	0.50	10,11,12
0196	⊕ *Advanced Theatre Arts	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
0801	Business World 101	0.50	9,10
1870	* CAPS (Business)		
1871	* CAPS (College Principles of Marketing)	1.25	12
1126-1127	⊕ !* Cardinal Café (Culinary Arts III)	1.00	11,12
0725	⊕ *Cardinal Creative	0.50	10,11,12
0812	* College Computer Concepts & Applications (online)	0.75	11,12
0174	Communications & Journalism	0.50	9,10,11,12
0173	Creative Writing	0.50	10,11,12
1124	⊕ Culinary Arts I	0.50	9,10,11,12
1125	⊕ *Culinary Arts II	0.50	10,11,12
0714	⊕ Digital Foundations	0.50	9,10,11,12
0816	Entertainment / Sports Marketing	0.50	9,10
0804	Entrepreneurship / Management	0.50	10,11,12
0820	Game Design I	0.50	9,10,11,12
0783	⊕ *Graphic Design (Communication Arts)	0.50	9,10,11,12
0712	⊕ *Illustration & Animation	0.50	9,10,11,12
1110	⊕ Interior Design	0.50	10,11,12
0809	Introduction to Networks	0.50	9,10,11,12
0195	⊕ Intro 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
0822	Microsoft/Google Applications	0.50	9,10
0192	⊕ *Musical Theatre in the 21st Century	0.50	9,10,11,12
0704	⊕ *Photography	0.50	9,10,11,12
0722	⊕ Pottery & Sculpture	0.50	10,11,12
0716	⊕ *Print Technologies	0.50	9,10,11,12
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

1832	EMTNR Academy Registration	0.00	10,11,12
0925	* Advanced Robotics & Automation	0.50	10,11,12
0934	* Advanced Small Engines	0.50	11,12

Course Offerings Summary

1014	Agriculture, Food & Natural Resources	0.50	9,10
0907	Architecture: Drafting & Design	0.50	10,11,12
0429	Astronomy & Meteorology	0.50	10,11,12
1020	Biotechnology	0.50	11,12
0924	Building Trades	0.50	10,11,12
1860-1861	*CAPS (EMTNR)	1.00	12
1022	Companion Animal Science	0.50	10,11,12
0926-0927	Computer Integrated Manufacturing (CIM)	1.00	10,11,12
0901	Engineering, Manufacturing, & Architecture	0.50	9,10
0425	* Environmental Science	0.50	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
0928	* Industry Trades and Manufacturing	0.50	10,11,12
1019	Intro to Agriscience	0.50	9,10
0912-0913	Intro to Engineering Design (IED)	1.00	10,11,12
0911	Introduction to Robotics	0.50	9,10
1016	Landscape Design	0.50	9,10,11,12
1023	Large Animal Production	0.50	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
0918-0919	* Principles of Engineering (POE)	1.00	10,11,12
0929	Small Engines	0.50	10,11,12
1011	* Wildlife Studies	0.50	11,12
0922	Woods & Cabinetry	0.50	9,10,11,12

HSHS ACADEMY

1833	HSHS Academy Registration	0.00	10,11,12
1307	Basics of Coaching & Officiating	0.50	10,11,12
1852-1853	* CAPS (Healthcare)	1.00	12
1849-1850	* CAPS (College Introduction to Education & Lab)		
	* CAPS (Teacher Education)	1.25	12
0214	Citizens Academy	0.50	9,10,11,12
0224	* Citizens Academy II	0.50	10,11,12
0213	* Civic Service and Engagement	0.50	12
0205	* College General Psychology	0.75	11,12
0407	* Emergency Medical Responder	0.50	11,12
1123	Food Science, Dietetics, & Nutrition	0.50	10,11,12
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

GLOBAL ELECTIVES - LIFE SKILLS & CAREER READINESS

1818-1819	* Career Internship	1.0	12
0670	Culturocity: Navigating Cross-Cultural Communication	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
0825	Personal Finance	0.50	10,11,12
2005	Study Block (Semester 1)	0.00	9,10,11,12
2006	Study Block (Semester 2)	0.00	9,10,11,12
1316	Top 20	0.50	10,11,12

GLOBAL ELECTIVES - MATHEMATICS

0359-0360	* AP Calculus AB	1.00	12
0349-0350	* AP Statistics	1.00	11,12
0361	* College Algebra	0.75	11,12
0374	* Discrete Math I	0.50	10,11,12
0375	* Discrete Math II	0.50	10,11,12
0355-0356	* Honors Pre-Calculus	1.00	11,12
0390-0391	* Probability & Statistics: An Introduction	1.00	11,12

GLOBAL ELECTIVES - MUSIC

1240-1241	! * AP Music Theory (to be offered 2020-2021)	1.00	11,12
1203-1204	* Runestone Band	1.00	9, 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	10,11,12
1207-1208	* Boys Chorus	1.00	9,10,11,12
1213-1214	* Concert Choir	1.00	9,10,11,12
1209-1210	* Girls Chorus	1.00	9,10,11,12
1215-1216	* Select Women's Choir	1.00	9,10,11,12
1232-1233	* Intermezzo Orchestra	1.00	9
1234-1235	* Philharmonia Orchestra	1.00	10,11,12
1236-1237	* Sinfonia Orchestra	1.00	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
0663-0664	* SMSU Spanish 201	1.00	11,12
0665-0666	* SMSU 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

Sara Carlson, City of Alexandria

Julie Critz, Superintendent

Chad Duwenhoegger, Principal

Nicole Fernholz, Alexandria Area Economic Development Commission

Doug Houska, Geneva Capital

Jill Johnson, Communications & Marketing Supervisor

Angie Krebs, School Board

Christine Reilly, Alexandria Education Foundation

Jeff Restad, Bell Bank

Rick Sansted, Asst. Superintendent - Teaching & Learning

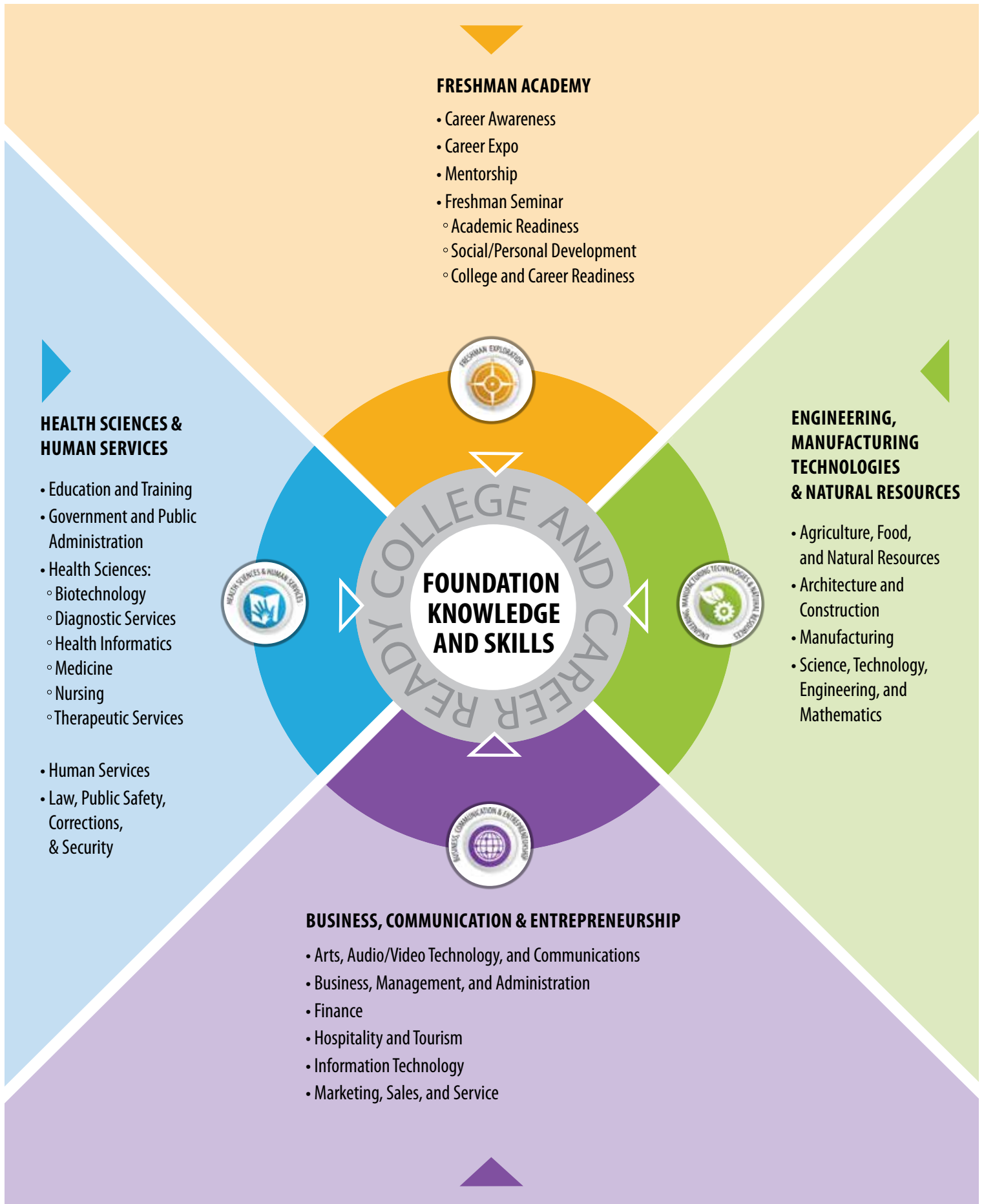
Ross Santell, Alexandria Technical & Community College

Tom Schabel, Alexandria Industries

Al Sholts, Alexandria Industries

Abby Strom, Alexandria Area Economic Development Commission

Carl Vaagenes, Alomere Health



FRESHMAN ACADEMY



Freshman Academy

Career Awareness

Career Expo

Mentorship

Freshman Seminar

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, CLEP, or PLTW 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 \$87 fee for each CLEP test, plus a \$25 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 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)	Physical Science 9 OR Honors Physical Science 9 (Both 1 credit)	Wellness/Fitness (0.5 credit) AND Freshman Seminar (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"> • Advanced Theatre Arts • Art & Design I • Business World 101 • Communications & Journalism • Culinary Arts I • Digital Foundations • Entertainment/Sports Marketing • Game Design I • Graphic Design (Communication Arts) • Illustration & Animation • Introduction to Networks • Intro to Theatre Arts • Microsoft/Google Applications • Musical Theatre in the 21st Century • Photography • Print Technologies • Web Page Design 	<ul style="list-style-type: none"> • Agriculture, Food & Natural Resources • Engineering, Manufacturing & Architecture • Forestry • Intro to Agriscience • Introduction to Robotics • Landscape Design • Woods and Cabinetry 	<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 ◦ Intermezzo Orchestra • Spanish I • Study Block

WELLNESS/FITNESS

Course Number: 1311
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

This course is required for graduation. This course examines parameters that comprise good physical health, nutrition, flexibility, muscular strength, and endurance throughout one's lifetime. The student will become familiar with lifestyle behaviors associated with heart disease, cancer, diabetes, alcohol, relationships. The wellness concept will be explored through the dimensions of the social, mental and emotional aspects.

FRESHMAN SEMINAR

Course Number: 1800
Length/Credit: .5 credit – 1 semester
Grade Level: 9
Prerequisite: None

Freshman Seminar will be a required course for all 9th grade students. The foundation for the course will be to provide students with opportunities for interest and career exploration while also focusing on skill development. The course will stress skills in academic readiness, personal/social development as well as college and career readiness. Areas such as character building, study skills, work skills, goal setting, etiquette and more will be addressed throughout the course.

FRESHMAN ACADEMY ADVISORY BOARD

Claire Anderson, Academy Coach
 Erik Bagley, Indigo Signworks
 Matthew Fischer, Bethany on the Lake
 Kallie Grote, High School English Teacher
 Sara Gronholz, Habitat for Humanity

Nick Jansen, Freshman Seminar/Social
 Mallory Johnson, High School Math Teacher
 Amy Lesnar, Creative Touch Boutique
 Lisa Otte, Dean of Students

Abby Strom,
 Alexandria Area Economic Development Commission
 Julie Trosvig, Alexandria Technical & Community College
 Brian Walli, Brenton

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

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, CLEP, or PLTW 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 \$87 fee for each CLEP test, plus a \$25 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.

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP[®]

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) • CAPS (College Principles of Marketing) 	
11,12	<ul style="list-style-type: none"> • AP Studio Art • Cardinal Café (Culinary Arts III) 	<ul style="list-style-type: none"> • Cardinal Café (Culinary Arts III) • College Computer Concepts and Applications (online) 	<ul style="list-style-type: none"> • College Computer Concepts and Applications (online)
10,11,12	<ul style="list-style-type: none"> • 3D Animation • Acting & Improvisation • Advanced Digital Art • Advanced Pottery and Sculpture • Art & Design II • Cardinal Creative • 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 • Cardinal Creative • Culinary Arts II • Entrepreneurship/Management • M1 - Advertising & Sales • M2 - Digital Marketing & Community Promotions 	<ul style="list-style-type: none"> • 3D Animation • Media Productions • Video Production
9,10,11,12	<ul style="list-style-type: none"> • Advanced Theatre Arts • Art & Design I • Communications & Journalism • Culinary Arts I • Digital Foundations • Game Design I • Graphic Design/Communication Arts • Illustration & Animation • Intro to Theatre Arts • Musical Theatre in the 21st Century • Photography • Print Technologies • Web Page Design 	<ul style="list-style-type: none"> • Business World 101 • Culinary Arts I • Entertainment / Sports Marketing • Microsoft/Google Applications • Web Page Design 	<ul style="list-style-type: none"> • Digital Foundations • Game Design I • Graphic Design (Communication Arts) • Illustration & Animation • Introduction to Networks • Microsoft/Google Applications • Print Technologies • Web Page Design

BCE ACADEMY ADVISORY BOARD

Claire Anderson, Academy Coach
 Erin Berns, LifeSTAGE Wealth Management
 Chad Duwenhoegger, High School Principal
 Jan Finazzo, High School Business Teacher
 Tyler Golberg, CYBERSprout

Megan Jacob, High School Business Teacher
 Nathan Knick, High School Art Teacher
 Shari Laven, Viking Bank
 Chad Meyer, Garden Center Lanes/Fat Daddy's
 Meghan Orgeman,
 High School Guidance Counselor

Sara Stadtherr, City of Alexandria
 Abby Strom, Alexandria Area Economic
 Development Commission

3D 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 20-30 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 ANIMATION

Course Number: 0715
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

Since the creation of Toy Story, 3-D animation has exploded in Hollywood as the “go to” form of cartoon motion picture animation. Animated movies are just one of many avenues for which 3-D animation programs are being used. With ties to engineering, marketing, broadcast graphics, interior design, gaming, visualizations, and architecture; animation programs can make the imagination come to life. During this course, students will be engaged in creating broadcast graphics, solving problems in engineering and design, and creating characters, settings, and storylines that don’t even exist yet. The possibilities this program has are limitless.



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. 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.



ACTING AND IMPROVISATION

Course Number: 0193
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Intro to Theatre Arts

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 POTTERY AND SCULPTURE

Course Number: 0717
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Pottery and Sculpture; \$15 course fee

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 that include The Empty Bowls Project, The Cardinal Store, The Cardinal Café, and the Greenhouse Flower Sale.



ADVANCED THEATRE ARTS

Course Number: 0196
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: Intro to Theatre Arts



This course is a semester-long course 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.

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; \$15 course fee



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, 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; \$15 course fee



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 WORLD 101

Course Number: 0801
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10
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) & CAPS (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 College & Career Center)
Prerequisite for College Credit: Accuplacer Rdng 63 or ACT Rdng 16 or MCA Rdng 1046



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 (3 hours) on alternating AB days. With an emphasis on Marketing business concepts, students will spend the semester applying their acquired knowledge as they engage with partner-driven projects, solving business problems and experiencing the challenges of project-based work.

The college marketing portion will introduce product development, pricing, distribution, and promotion; consumer behavior; economic, legal, social, technological and competitive environments of marketing; collecting and using marketing information; ethical and social responsibilities; and international marketing. College Principles of Marketing will be transcribed as BUSA 2043 Principles of Marketing (3 credits) at RCC. Students will be collaborating with academy partners in the community, and will need parent permission and their own transportation to travel off-site.

CARDINAL CAFÉ (CULINARY ARTS III)

Course Number: 1126-1127
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, and 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.

CARDINAL CREATIVE

Course Number: 0725

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Digital Foundations or Graphic Design (Communication Arts) or Yearbook or Web Design or Illustration & Animation or Video Production or Photography or 3D Animation or Print Technologies

Cardinal Creative is a digital art course that will allow students to work on different AAHS based branding and promotion projects. These projects could include design work for events and activities such as Prom, Homecoming, Sports, Clubs, Cardinal Store, Yearbook, and other events. This class is meant to provide a setting which mimics that of a design firm. Students will get assigned different projects depending on deadlines and interests. Students will gain the ability to juggle timelines for different projects, present to clients, collaborate in teams, take creative direction from a supervisor, and develop rationale for projects. Programs used in this class will include Adobe Photoshop, Illustrator, InDesign, and AfterEffects. Students will learn how to go from ideation to finished products by prototyping concepts and preparing files for productions. This class will work closely with other courses including Print Technologies, Yearbook and Photography.



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, children's stories, digital storytelling, one-act plays, and photo stories. 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.



COLLEGE COMPUTER CONCEPTS & APPLICATIONS (ONLINE)

Course Number: 0812

Length/Credit: .75 credit – 1 semester

Grade Level: 11,12

Prerequisite: 0808 Microsoft Office or 0822 Microsoft/Google Applications recommended

Prerequisite for College Credit: Accuplacer Rdng 63 or ACT Rdng 16 or MCA Rdng 1046

This course provides a basic understanding of computer history, concepts, and microcomputer applications using Windows-based computers. Topics covered include computer hardware and software, operating systems and utilities, the system unit, input and output devices, secondary storage, communications and connectivity, the Internet and the Web, security and privacy, ethics, and computer use in organizations. Through hands-on experience, students acquire an understanding of Microsoft Windows and Microsoft Office including Word, Excel, Access, and PowerPoint that are used in business. No prior knowledge of software packages or microcomputers is necessary. This course is part of Riverland Community College's Business Concentration and Associate in Science Business degrees which are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).



CULINARY ARTS I

Course Number: 1124

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. Through this simulation, students will also learn basic employability skills (job application, resume writing and interviewing).



CULINARY ARTS II

Course Number: 1125

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Culinary Arts I

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 food careers. Foods prepared may include pastry, quick breads, yeast breads, fruits, vegetables, foreign foods, casseroles and soups.



COMMUNICATIONS & JOURNALISM

Course Number: 0174

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This course does not meet any English credit requirements.

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 are needed to be successful in these fields. This course is recommended for students wanting to explore careers in Broadcast, Journalism, Business Communication, Public Speaking, Web Communication, etc.

DIGITAL FOUNDATIONS

Course Number: 0714

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 Flash 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 Commercial Art & Design as well as Illustration & Animation.

ENTERTAINMENT / SPORTS MARKETING

Course Number: 0816

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10

Prerequisite: None

This is a unique and innovative course designed for students with an interest in the entertainment and sports industry. Students are provided with a framework for understanding key marketing issues facing organizations in the entertainment and sports industry, including event planning, promotion, marketing, advertising, and career opportunities. This course also covers recent developments in the entertainment industry, including music, movies, television, theatre, and high school/college/professional sports. Students will use case studies, hands-on projects, and computer simulations to apply and practice entertainment and sports marketing strategies.

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 (COMMUNICATION ARTS)

Course Number: 0783

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Digital Foundations

This semester course allows students to explore the elements and 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 and logos, advertisements, and related graphic design documents.

ILLUSTRATION & ANIMATION

Course Number: 0712

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Digital Foundations

In this semester course, students will study the history of cartoon animation and how it has developed over time. Students will explore some of the life, styles, and processes of various cartoon and illustrative artists such as Walt Disney, Chuck Jones, Charles Schultz, and Dr. Seuss. Students will focus on the design process, elements and principles of design, and developing their own illustrative style. Projects will include both hand drawn and computer illustrations. The second portion of this course will include the creation of both hand drawn and computer created animation using iMovie, Adobe Photoshop, and Adobe Flash. Students will utilize the elements and principles of media arts when creating their animations.

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 the interior and exterior of their "Dream Home."

INTRODUCTION TO NETWORKS

Course Number: 0809

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

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) addressing and 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. Students in grades 10-12 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 CVNP 1603 Cisco I (3 credits) at ATCC.

INTRO 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, technical theatre production, 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. Students will study and see a professional production of a classic or contemporary play. 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

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: Business World 101 or M1- Advertising & Sales or Entertainment / Sports Marketing recommended

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.

MICROSOFT / GOOGLE APPLICATIONS

Course Number: 0822

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10

Prerequisite: None

This course is essential for success in high school, college, and on the job. Learn to be more efficient and save time inside and outside of the classroom. In a computer-based world one needs to be proficient in online and desktop environments using tools that are prevalent in schools and businesses today. Students will learn Microsoft applications such as Word, Excel, and PowerPoint as well as the Google counterparts.

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, or enrollment in an AAHS music ensemble

This course is essential for success in high school, college, and on the job. Learn to be more efficient and save time inside and outside of the classroom. In a computer-based world one needs to be proficient in online and desktop environments using tools that are prevalent in schools and businesses today. Students will learn Microsoft applications such as Word, Excel, and PowerPoint as well as the Google counterparts.



PHOTOGRAPHY

Course Number: 0704

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: \$10 course fee

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

Students will create free-standing, hand-made pieces using sculptural techniques, including coil and slab building, 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. There is a \$15 fee for this course to cover the cost of materials.



PRINT TECHNOLOGIES

Course Number: 0716

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: \$10 course fee

This semester long course is an introduction to a variety of printing technologies. Students will explore printing mediums including screen printing, vinyl decal printing, and 3D printing (if time allows). Throughout the course, students will be collaborating in small groups called "businesses" to execute projects and tasks. Students will learn the elements and principles of design, as well as developing their technical skills within each medium. This course is great for students who like to work hands-on to create artwork.



VIDEO PRODUCTION

Course Number: 0708
Length/Credit: .5 credit
Grade Level: 10,11,12
Prerequisite: None

Video Production is a course that will provide a "hands on" experience in creating & producing video products for our school & community. Students will participate in all areas of video production: storyboarding, camera operation, shooting techniques, lighting, post production & video distribution.



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.



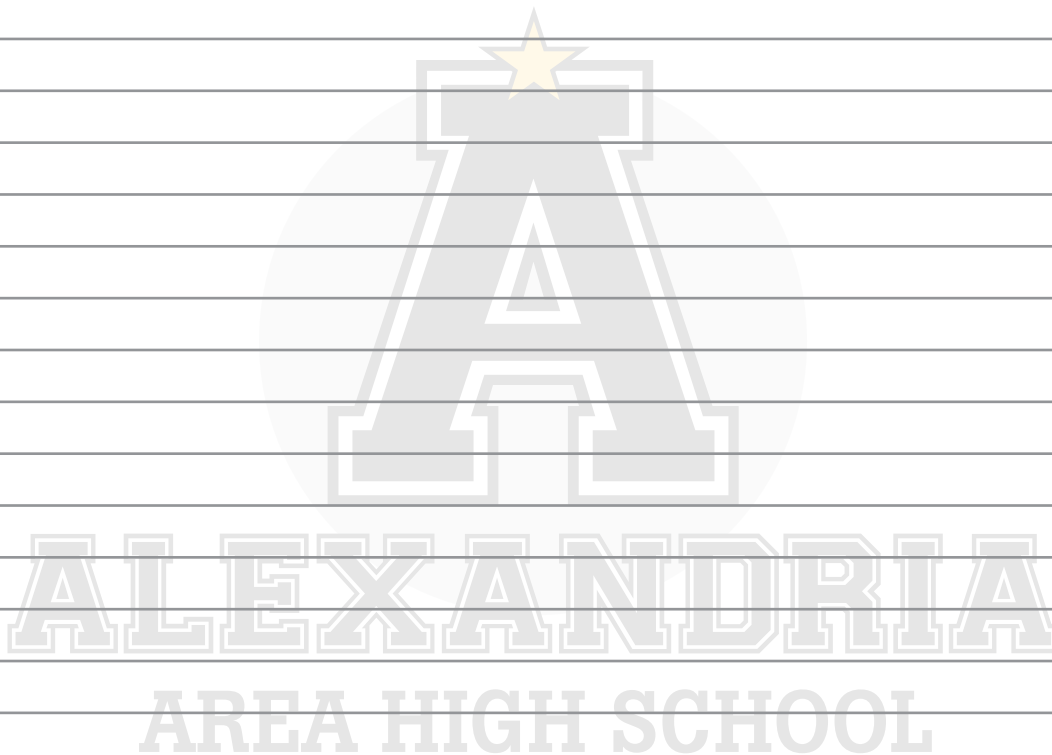
WEB PAGE DESIGN

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 as for adding special features. Learn the fundamentals of editing images, of the HTML tagging language, and of graphic editing software.



Notes



EMTNR ACADEMY



Engineering, Manufacturing Technologies & Natural Resources

EMTNR Career Pathways:

Agriculture, Food and Natural Resources

Architecture and Construction

Manufacturing

Science, Technology, Engineering, and Mathematics

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, CLEP, or PLTW 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 \$87 fee for each CLEP test, plus a \$25 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.

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP

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 • Biotechnology • Environmental Science • Horticulture • MN Rocks & Waters • Wildlife Studies 	<ul style="list-style-type: none"> • Advanced Small Engines • Environmental Science • MN Rocks & Waters 	<ul style="list-style-type: none"> • Advanced Small Engines 	<ul style="list-style-type: none"> • Advanced Small Engines • Biotechnology • Environmental Science • MN Rocks & Water
10, 11,12	<ul style="list-style-type: none"> • Astronomy & Meteorology • Companion Animal Science • Get Your Green Thumb • Large Animal Production • MN Habitat & Wildlife Management • Small Engines 	<ul style="list-style-type: none"> • Architecture: Drafting & Design • Building Trades • Computer Integrated Manufacturing • Industry Trades & Manufacturing • Intro to Engineering Design • MN Habitat & Wildlife Management • Small Engines 	<ul style="list-style-type: none"> • Advanced Robotics & Automation • Building Trades • Computer Integrated Manufacturing • Foundations in Manufacturing • Industry Trades & Manufacturing • Intro to Engineering Design • Metal Fabrication • Principles of Engineering • Small Engines 	<ul style="list-style-type: none"> • Advanced Robotics & Automation • Architecture: Drafting & Design • Astronomy & Meteorology • Building Trades • Computer Integrated Manufacturing • Foundations in Manufacturing • Industry Trades & Manufacturing • Intro to Engineering Design • Metal Fabrication • MN Habitat & Wildlife Management • Principles of Engineering • Small Engines
9,10, 11,12	<ul style="list-style-type: none"> • Agriculture, Food, and Natural Resources • Engineering, Manufacturing & Architecture • Forestry • Intro to Agriscience • Landscape Design 	<ul style="list-style-type: none"> • Agriculture, Food, and Natural Resources • Engineering, Manufacturing & Architecture • Landscape Design • Woods and Cabinetry 	<ul style="list-style-type: none"> • Engineering, Manufacturing & Architecture • Introduction to Robotics • Woods and Cabinetry 	<ul style="list-style-type: none"> • Agriculture, Food, and Natural Resources • Engineering, Manufacturing & Architecture • Intro to Agriscience • Introduction to Robotics • Woods and Cabinetry

EMTNR ACADEMY ADVISORY BOARD

Claire Anderson, Academy Coach
 Todd Carlson/Kaitlin Sahli,
 Alexandria Industries
 Todd Dahlseid, High School Science Teacher
 Chad Duwenhoeffer, High School Principal
 Tom Ellison,
 High School Industrial Technology Teacher
 Todd Emmons, Innovative Builders

Ryan Hjelle, Ellingson's
 Shawn Green, Aagard Group
 Jason Lattimer, Douglas Machine
 Todd Kemper, Standard Iron
 Mandy Kor, High School English Teacher
 Linda Maiers, High School Guidance Counselor
 Todd Peterson, 3M Abrasives
 Jeff Pokorney, High School Agriculture Teacher

Jeff Reed, Glenwood Area Fisheries-MN DNR
 Jacob Schumacher,
 High School Industrial Technology Teacher
 Abby Strom, Alexandria Area Economic
 Development Commission
 Dustin Tomoson, Ringdahl Architects
 Brent Urke, Douglas Scientific

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 grade C or better

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. Students would be able to work on a super mileage car and prepare it for competition.

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.

BIOTECHNOLOGY

Course Number: 1020
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

This advanced course provides students experiences in industry-appropriate applications of biotechnology related to plant and animal agriculture. Students will receive a comprehensive introduction to foundational concepts and research techniques in the biotechnology industry. Skills and topics taught include micropipetting, electrophoresis, genetic engineering and polymerase chain reaction. The greenhouse will be used for real-life application of the concepts as students conduct agriscience research projects and perform basic genetics and plant breeding exercises.

BUILDING TRADES

Course Number: 0924
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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 and 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).



COMPANION ANIMAL SCIENCE

Course Number: 1022

Length/Credit: .5 credit – 1 semester

Grade Level: 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.

COMPUTER INTEGRATED MANUFACTURING (CIM)

Course Number: 0926-0927

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: None

The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality, and efficiency. Utilizing the activity-project-problem-based activities, students will analyze, design, and build manufacturing systems. While implementing these designs, students will continually hone their interpersonal skills, creative abilities, and understanding of the design process. Students who earn a B or better will receive articulated college credit at ATCC (valid for 5 years). Upon enrollment in an applicable program at ATCC students will be able to transfer this high school course, earning 1 of 3 credits toward MACH 1523 Machine Tool Theory I and 1 of 3 credits toward MACH 2523 Intro to Computer Aided Manufacturing.



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.

ENVIRONMENTAL SCIENCE

Course Number: 0425

Length/Credit: .5 credit – 1 semester

Grade Level: 11,12

Prerequisite: Biology

Environmental Science is a course that examines the current conditions of our planet in the 21st century and allows you to decide how a society puts a planet in peril. This class provides students with scientific principals and concepts required to understand the interrelationships of the natural world in order to analyze both natural and human-made environmental issues. Science journals, internet and research will be utilized to stay abreast of current research and students will be required to develop and communicate opinions and solutions for many of these problems.



Project Lead The Way (PLTW) Pre-Engineering

The PLTW Program offers a sequence of courses, when combined with high level math and science skill acquisition, that introduces students to the scope, rigor and discipline of engineering technology prior to entering college. The sequence and comprehensive curriculum will allow students to explore their interests in engineering as a career.

Project Lead The Way courses offered during the 2017-18 school year are:

- Computer Integrated Manufacturing (CIM)
- Introduction to Engineering Design (IED)
- Principles of Engineering (POE)

The Project Lead The Way (PLTW) program at Alexandria Area High School has been awarded site certification by national Project Lead The Way.



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 I.D. and tree inventory techniques such as timber cruising, log scaling and determining basal area. Make your own inventory stick and learn how to use it. 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.

INDUSTRY TRADES & MANUFACTURING

Course Number: 0928

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Instructor signature or successful completion of at least two of the following: Building Trades; Metal Fabrication, Woods and Cabinetry, Geometry in Construction.

This class is designed for students who are interested in the Construction or Manufacturing Industry. Throughout the semester, this class will introduce area trade opportunities including: General Contractor, Construction, Cabinetry, Electrical, HVAC, Landscaping, etc. Content will be presented through guest speakers, jobsite visits, and hands-on labs. The rest of the class will allow the students to study and create their own manufacturing project that utilizes the many technologies provided by our school. Content will include in-depth training in the manufacturing process from raw material to finished products. Projects will be determined by students' career interests and approved by the Industrial Technology Department. Connections with local industry resources will be strongly encouraged. Students may take this elective one or more semesters.

INTRODUCTION TO AGRISCIENCE

Course Number: 1019

Length/Credit: .5 Credit – 1 semester

Grade Level: 9,10

Prerequisite: None

Corn, combines, and commodities - in this course students will learn how plants like corn and tomatoes have grown, how equipment like combines and drones are used to help harvest them and then how farmers market and sell the commodities they produce to make a living. Topics to be covered include careers, plant science, agriculture mechanics, and agriculture business. 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.

INTRODUCTION TO ENGINEERING DESIGN (IED)

Course Number: 0912-0913

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: None

The major focus of the course is learning how to take an idea through a design process that will eventually be manufactured or produced. As you learn about various aspects of engineering and engineering design, such as how engineers communicate through drawing, you will apply what you learn through various activities, projects, and problems. In addition, you will use 3D drafting software to help you design solutions to different design projects. Working in teams, you will learn about documenting your solutions, solving problems, and communicating your solutions to other students and members of the professional community of engineering and engineering design. Students who earn a B or better will receive articulated college credit at ATCC (valid for 5 years). Upon enrollment in an applicable program at ATCC students will be able to transfer this high school course, earning 1 of 2 credits toward MACH 1505 Blueprint Reading/Geo Tolerancing I and 1 of 2 credits toward MFGT 1550 Engineering Drafting.

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.

LARGE ANIMAL PRODUCTION

Course Number: 1023

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: None

This course will focus on large animal production. It is designed to explore the animal science industry and the food system of the United States in order to foster an understanding of the steps involved in producing livestock products for consumers, as well as cover food safety issues. This course will involve the study of the biological processes, production and management practices of economically important food animals such as beef, dairy, swine, sheep and goats.

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.

PRINCIPLES OF ENGINEERING (POE)

Course Number: 0918-0919

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12

Prerequisite: Algebra skills

This course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. At the end of course, students will be given an opportunity to take a test for PLTW certification and college credit. Students who earn a B or better will receive articulated college credit at ATCC (valid for 5 years). Upon enrollment in an applicable program at ATCC students will be able to transfer this high school course, earning 1 of 3 credits toward MEDR 1601 Engineering Drawing I and 1 of 3 credits toward MFGT 1560 Mechatronics I.

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 AND CABINETRY

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

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, CLEP, or PLTW 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 \$87 fee for each CLEP test, plus a \$25 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.

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP

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) • Organic Chemistry 	<ul style="list-style-type: none"> • CAPS (College Introduction to Education & Lab) • CAPS (Teacher Education) 	<ul style="list-style-type: none"> • Civic Service & Engagement 	<ul style="list-style-type: none"> • Civic Service & Engagement 	<ul style="list-style-type: none"> • Civic Service & Engagement
11,12	<ul style="list-style-type: none"> • College General Psychology • Emergency Medical Responder • Human Anatomy I • Human Anatomy II • Intro to Psychology • Nrs Assist/Hm Hlth Aide • Prevention & Care of Injuries 	<ul style="list-style-type: none"> • College General Psychology • Intro to Psychology • Prevention & Care of Injuries 	<ul style="list-style-type: none"> • College General Psychology • Intro to Psychology • Law & Civil Liberties 	<ul style="list-style-type: none"> • College General Psychology • Intro to Psychology • Law & Civil Liberties 	<ul style="list-style-type: none"> • College General Psychology • Emergency Medical Responder • Human Anatomy I • Human Anatomy II • Intro to Psychology • Law & Civil Liberties • Prevention & Care of Injuries
10,11,12	<ul style="list-style-type: none"> • Food, Science, Dietetics & Nutrition • 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

HSHS ACADEMY ADVISORY BOARD

Claire Anderson, Academy Coach
 Andrea Nelson Allyn, Heartland Orthopedic Specialists
 Shelby Dvergsten, High School English Teacher
 Chad Duwenhoegger, High School Principal
 Tom Egan, Douglas County Sheriff
 Jim Gripne, Alexandria Police Department
 Mary Hegland, High School English Teacher
 Rhonda Issendorf, High School Social Studies Teacher
 Alan Iverson, Anderson Funeral Home
 Tom Jacobson, The Law Firm of Swenson Lervick
 Syverson Trosvig Jacobson Cass, P.A.

Lee Johnson, Douglas County Jail
 Jeff Karrow, Alexandria Fire Department
 Amy Loch, Douglas County Services
 Eddie Reif, Alomere Health
 Marty Schultz, City of Alexandria
 Meg Simon, High School Science Teacher
 Abby Strom, Alexandria Area Economic Development Commission
 Sandy Tubbs, Horizon Public Health
 Angie Urman, Knute Nelson
 Carrie Urness, High School Guidance Counselor

BASICS OF COACHING AND OFFICIATING

Course Number: 1307
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

This course is designed to give students the background knowledge they would need for coaching and officiating careers. Students will be able to use what they learn to coach or officiate youth-level sports that include, but are not limited to: basketball, soccer, football, baseball, volleyball, and softball. Students will demonstrate proper mechanics and rules of these selected team sports. Students will be able to identify and demonstrate professional characteristics and personal qualities needed to become a coach. Students will be able to develop their own coaching philosophy.

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 applications. 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, 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 course will meet two blocks back to back semester one.

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

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; must complete and submit application (available in the College & Career Center)



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 two-block, full year course, will prepare students through a semester of foundational studies moving towards a semester of 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. This course will meet two blocks back to back semester one.

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 city government officials, police officers, social workers, and psychologists. Students will experience a mock trial, court room scenarios, eyewitness testimony, civic engagement opportunities, and forensic investigation. They will study the importance of personal safety and crime prevention.

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 competition. Students will gain insights as to the inner-workings of the criminal justice system, government/public administration and law fields. Students will have the unique opportunity to participate in a mini-internship to explore various career opportunities within the 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, settling disputes, and civil cases.

CIVIC SERVICE & ENGAGEMENT

Course Number: 0213
Length/Credit: .5 credit – 1 semester
Grade Level: 12
Prerequisite: Application (available in the College & Career Center)

This course will offer students a project-based study in the area of civic service. Students will have investigated related career opportunities through the Human Service Careers course. This course is an advanced opportunity to apply what students have learned from previous HSHS academy courses. The class will begin with a broad introduction to the opportunities in the pathways of human services, government and public administration; law, public correction and security. Prior to having field experiences, students will review the professional skills and responsibilities that are required while working with local partners. All students will have hands-on, active-learning opportunities with a full immersion in real world projects sponsored by our local partners. Student will do work for local, national and international organizations in government, and the for-profit and not-for-profit sectors. Students will participate in several field and job shadow experiences to explore various career opportunities within the academy pathways of Human Services; Government and Public Administration; Law, Public Correction and Security fields. In the final weeks of the course, students will select a field and an impact project that will make a positive change in the community. Because the job shadow, field experience and impact projects will take place off the AAHS campus, students will be required to provide their own transportation to and from their chosen sites.

COLLEGE GENERAL PSYCHOLOGY

Course Number: 0205
Length/Credit: .75 High School Credit / 3 College Credits - 1 semester
Grade Level: 11,12

Prerequisite: Accuplacer Reading score of 78 or ACT Reading score of 21 or MCA Rdng 1047

This course is a basic introduction to psychology. Topics include its history, research methods, biological factors in behavior, sensation and perception, motivation and emotion, learning, intelligence, personality theories, human development, social behavior, and abnormal psychology. This course 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: 11,12
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.

FOOD SCIENCE, DIETETICS & NUTRITION

Course Number: 1123
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

A lab based class where students will study the science of food, ingredient functions and interactions, nutrition, the western diet, food safety and sanitation. This class will address the issues of producing, processing, evaluating, marketing, and using food including studying foods of the future. Students will have the opportunity to experiment with creating new food products such as candy, beverages, and cereal. Guest speakers will share career information, current and predicted food science products and techniques.

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, participate in field experiences, onsite observations and interviews.

HUMAN ANATOMY I

Course Number: 0406
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Biology or AP Biology or Instructor's approval

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 planned 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, 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: Accuplacer Reading score of 55 or higher or MCA Rdng 1047 or ACT Rdng 21; Age 16 by the time of Certification Test (January & June); limited to 18 students per semester

This semester long course presents curriculum to develop skills, attitudes, and knowledge essential in giving direct and supportive care as a Nursing Assistant in 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. (A Mantoux test can be acquired from your doctor's office or a Public Health facility.) 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)

This class is an elective course where students will learn how to prevent and care for various injuries through lecture and lab settings. The course will also focus on the role of sports in society today and the psychological aspects of sports and competition.

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 mental illness, drug abuse, poverty, terrorism, deviance, discrimination, family, violence and immigration. 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[®]

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, CLEP, or PLTW 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 \$87 fee for each CLEP test, plus a \$25 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



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: 3.0 Cumulative GPA and top 1/3 class rank for juniors, top 1/2 class rank for seniors

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).

COLLEGE AMERICAN STUDIES

Course Number: 0187, 0189, 0286, 0288

Length/Credit: 3.0 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 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
- LIT 100 Literature: Human Diversity (3 credits) at SMSU

CLEP Consider taking the American Literature, College Composition, College Composition Modular, History of the US I & History of the US II CLEP test.

COLLEGE COMPOSITION I

Course Number: 0186

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

Grade Level: 11,12

Prerequisite: Accuplacer reading score of 78 or ACT Reading score of 21 and ACT English score of 18.

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.

CLEP Consider taking the College Composition and College Composition Modular CLEP test(s).

COLLEGE COMPOSITION I (ONLINE)

Course Number: 0148

Length/Credit: 1.0 High School Credit / 4 College Credits – 1 semester

Grade Level: 11,12

Prerequisite: Accuplacer reading score of 78 or ACT Reading score of 21 and ACT English score of 18; gr 11 - 3.0 cumulative GPA; gr 12 - 2.5 cumulative GPA

**** 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.**

Composition I is a writing-intensive course that prepares students for writing effectively in a variety of academic and professional situations. Students will learn and employ a variety of rhetorical strategies, including (but not limited to) description, narration, exposition, exemplification, classification, process analysis, comparison/contrast, and definition through formal papers written in edited Standard English, which will result in a total of at least 5,000 words. In addition, students may also be asked to write journals, a resume and letter of application, and to review grammar. Students will regularly engage in all stages of the writing process; learn how to successfully participate in an online, academic environment; and hone their ability to identify thesis, audience, tone, unity, coherence, and emphasis in their reading and writing. The course will also include a literature component to present basic terminology and foster critical thinking skills. This course will be transcribed as ENGL 1410 Composition I (3 credits) at CLC.

COLLEGE COMPOSITION II

Course Number: 0188

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

Grade Level: 11,12

Prerequisite: Successful completion of Composition I or a score of 3 or higher on the AP English Literature & Composition Exam

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.

CLEP Consider taking the College Composition and College Composition Modular CLEP test(s).



COLLEGE COMPOSITION II (ONLINE)

Course Number: 0149

Length/Credit: 1.0 High School Credit / 4 College Credits – 1 semester

Grades: 11, 12

Prerequisite: Successful completion of Composition I or a score of 3 or higher on the AP English Literature & Composition Exam; gr 11 -3.0 cumulative GPA; gr 12 -2.5 cumulative GPA

** 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.

Composition II focuses on research-based writing and information literacy. Students will learn and employ rhetorical strategies such as analysis (of ideas or human situations into comparable or constituent parts), cause and effect reasoning, inductive/deductive reasoning, and argument/persuasion. Subjects may include reaction, evaluation, and interpretation of literature and/or socio-cultural phenomena. Students will learn the principles of the academic research process such as developing a topic, understanding and applying outside sources, and defining and supporting a critical lens. During that process, students will learn how to locate, access, evaluate, and synthesize traditional and online library resources. Throughout the course, students will demonstrate a command of the writing and revision process and the APA (American Psychological Association) and the MLA (Modern Language Association) formats. Students will demonstrate these skills through formal papers written in edited Standard English, which will result in a total of at least 5,000 words. This course will be transcribed as ENGL 1411 Composition II (3 credits) at CLC.



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. Accuplacer Reading score of 78 or ACT Reading score of 21 or MCA Rdnng score of 1047

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, articles, 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, and poetry. 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, novel, poetry and drama. 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 chronologically surveys the dominant themes, authors, and periods 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 non-fiction novels, essays, and articles; write business letters, 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 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.

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 non-fiction novels, essays, and articles; write business letters, 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.

WELLNESS/FITNESS

Course Number: 1311

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: None

This course is required for graduation. This course examines parameters that comprise good physical health, nutrition, flexibility, muscular strength, and endurance throughout one's lifetime. The student will become familiar with lifestyle behaviors associated with heart disease, cancer, diabetes, alcohol, relationships. The wellness concept will be explored through the dimensions of the social, mental and emotional aspects.





MATHEMATICS



EDUCATION REQUIREMENT:

- 3 credits of mathematics are required for graduation.
- Intermediate Algebra
 - Geometry
 - Advanced Algebra



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, and periodic functions and relations; 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 including linear, exponential growth and decay, and periodic.

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

GEOMETRY

Course Number: 0347-0348

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11

Prerequisite: Fundamentals of Intermediate Algebra or 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.

GEOMETRY (GEOMETRY AND CONSTRUCTION)

Course Number: 0339-0340-0939-0940

Length/Credit: 2.0 credits – Full Year

Grade Level: 10,11

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

Geometry and Construction is designed specifically for student interested in Pre-Engineering, Architecture, Interior Design, Landscape Architecture, Construction and Building Trades, and Surveying. By integrating Geometry and Construction into one learning environment, students experience the direct correlation between math and construction. Word problems from a math book become real-world experiences in the building process. Students learn tool safety, problem solving, drawing interpretation, and are exposed to practical skills in building and carpentry trades through the large building project all while learning the core geometry concepts. Students will use coordinate geometry in the study of area perimeter, volume, transformations, congruence, Pythagorean theorem, similar figures, trigonometry, quadrilateral properties, circle properties, logic, and functions. Students do not need to have previous construction experience. This class meets two periods back to back each semester.

HONORS ADVANCED ALGEBRA

Course Number: 0335-0336

Length/Credit: 1.0 credit – Full Year

Grade Level: 10

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, and periodic functions and relations; 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 including linear, exponential growth and decay, and periodic. 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

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

Intermediate Algebra develops the use of variables, exponential notation, graphing and operations on polynomials over the rational and real number systems. All of these skills are needed to continue in mathematics.



SCIENCE



EDUCATION REQUIREMENT:

3 credits of Science are required for graduation, including a biology credit. In addition, students in the graduating class of 2016 and beyond must complete a chemistry or physics credit as part of the 3-credit requirement.

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.

ADVANCED PLACEMENT CHEMISTRY

Course Number: 0444-0445

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

At the end of the course, students will be given the opportunity to take the Advanced Placement Chemistry exam in May. A score of 3, 4, or 5 may grant college credit. Advanced Placement Chemistry is designed to be the equivalent of a college introductory Chemistry course. The major areas of study include the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and thermodynamics. Students may earn college credit if they choose to take the Advanced Placement Chemistry Exam in the spring and earn a score meeting college requirements. Since this is a college level chemistry course, students will be challenged in an accelerated learning environment and should expect to spend a minimum of one hour of study beyond the normal school day. If you are interested in registering for this course, please see Mr. Meighan.

CLEP Consider taking the Chemistry CLEP test.



BIOLOGY

Course Number: 0421-0424

Length/Credit: 1.0 credit – Full Year

Grade Level: 10

Prerequisite: None

Concepts covered in this course will include cells and mechanisms of heredity, biological change over time, interdependence of organisms, material cycles and energy flow in living systems, the behavior of organisms and the historical significance of major scientific advances. All of the above concepts will be connected through the investigation and analysis of cells, organisms and ecosystems.

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 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 for College Credit: 3.0 Cumulative GPA and top 1/3 class rank for juniors, top 1/2 class rank for seniors; successful completion of Physical Science & Intermediate Algebra and Advanced Algebra

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 Physics 120 Introductory Physics (3 credits) and Physics 120L Introductory Physics Lab (1 credit) at SMSU.

HONORS PHYSICAL SCIENCE 9

Course Number: 0414-0415

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.

This survey course of engineering exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community. Also integrated into this course are the 9th grade Minnesota Academic Standards for chemistry and physics. Chemistry content discussed includes the following topics: classification of matter, structure of atoms and molecules, chemical formulas and equations, and chemical reactions, and nuclear chemistry. In addition, students will learn various skills that include measurement, essential laboratory methods, and the use and care of laboratory equipment. Laboratory safety and proper handling and disposal of chemicals is emphasized at all times.



PHYSICAL SCIENCE 9

Course Number: 0400-0401

Length/Credit: 1.0 Credit – Full Year

Grade: 9

Prerequisite: None

Physical Science integrates Earth Science, Chemistry and Physics into a two semester course. The Earth Science is building off of the skills learned in 8th grade. The intro to Chemistry includes the following topics: classification of matter, structure of atoms and molecules, chemical formulas and equations, and chemical reactions, and nuclear chemistry. In addition, students will learn various skills that include measurement, essential laboratory methods, and the use and care of laboratory equipment. Laboratory safety and proper handling and disposal of chemicals is emphasized at all times. The Physics portion of the course provides an introductory survey of selected topics that deals with the interaction of matter and energy. Specific topics include energy, motion, forces, heat and temperature, work, power and simple machines, electromagnetic waves, light and sound. Throughout the year, students will perform various experiments and interpret their results by answering questions and/or solving problems that are assigned with each experiment. Students will have the opportunity to practice and enhance their learning through a variety of activities and supplemental sources. Student assessment is based upon the quality and accuracy of completed assignments. In addition, tests are administered after each unit, and quizzes are given occasionally to measure students' progress.

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 physical science concepts to design and build an electric car using equipment related to manufacturing industries. 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:

3½ credits of social studies, including U.S. history, geography, government and citizenship, world history and economics.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Course Number: 0222-0223

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

Grade Level: 9,10,11,12

Prerequisite: Instructor signature

Prerequisite for College Credit: Accuplacer Rdng 56 or ACT Rdng 21 or ACT English 18 or MCA Rdng 1047; gr 11 - 3.0 cumulative GPA; gr 12 - 2.5 cumulative GPA

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. This course will be transcribed as GEOG 1459 Cultural Geography (3 credits) at Central Lakes College for qualified juniors and seniors.



ADVANCED PLACEMENT UNITED STATES HISTORY

Course Number: 0250-0251

Length/Credit: 1.0 credit – Full Year

Grade Level: 11

Prerequisite: 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.



COLLEGE AMERICAN GOVERNMENT

Course Number: 0216

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

Grade Level: 12

Prerequisite for College Credit: 3.0 Cumulative GPA and 1/3 class rank for juniors, top 1/2 class rank for seniors.

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 Political Science 120 American National Government (3 credits) at SMSU.



COLLEGE UNITED STATES HISTORY TO 1865 (ONLINE)

Course Number: 0248

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

Grade Level: 11, 12

Prerequisite: Accuplacer Reading score of 56 or ACT Reading score of 21 or ACT English score of 18 or MCA Reading score of 1047; gr 11 - 3.0 cumulative GPA, gr 12 - 2.5 cumulative GPA

**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.



COLLEGE AMERICAN STUDIES

Course Number: 0187, 0189, 0286, 0288

Length/Credit: 3.0 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 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
- LIT 100 Literature: Human Diversity (3 credits) at SMSU

CLEP Consider taking the American Literature, College Composition, College Composition Modular, History of the US I & History of the US II CLEP test.



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 1472 United States to 1865 (3 credits) at Central Lakes College.

COLLEGE UNITED STATES HISTORY SINCE 1865 (ONLINE)

Course Number: 0249

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

Grade Level: 11, 12

Prerequisite: Accuplacer Reading score of 56 or ACT Reading score of 21 or ACT English score of 18 or MCA Reading score of 1047; gr 11 - 3.0 cumulative GPA; gr 12 - 2.5 cumulative GPA

**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 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 1473 United States History Since 1865 (3 credits) at Central Lakes College.

COLLEGE MACROECONOMICS

Course Number: 0215

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

Grade Level: 12

Prerequisite for College Credit: 3.0 Cumulative GPA and top 1/3 class rank for juniors, top 1/2 class rank for seniors.

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 Economics 202 Principles of Macroeconomics (3 credits) at SMSU.



EARLY U.S. HISTORY

Course Number: 0203

Length/Credit: .5 credit – 1 semester

Grade Level: 11

Prerequisite: None

1850's to 1920's: An opportunity to explore the basic underlying philosophies that have gone into the making of the modern United States. The period covered will start with the Colonial Period, the Westward Movement, Immigration, the Civil War, and the Industrial Revolution, with special emphasis on the Declaration of Independence and the United States Constitution.

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 student 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 U.S. HISTORY

Course Number: 0202

Length/Credit: .5 credit – 1 semester

Grade Level: 11

Prerequisite: None

1930's to Present: The central purpose of this semester course is to help the student better understand and appreciate America's past from 1930's to the present. The philosophy underlying the instruction of the course is that the study of history should involve research, inquiry and interpretation. As such, the student of American history will be required to actively examine, question, study and interpret information about important historical events, personalities and issues in America's past.

SOCIAL STUDIES 9

Course Number: 0200

Length/Credit: .5 credit – 1 semester

Grade Level: 9

Prerequisite: None

The ninth grade social studies course will be taught through the context of the United States and various countries and cultures around the world. It will address: 1) Citizenship and Government, 2) Economics, 3) Geography. Current events will be tied in with all these disciplines.

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 includes 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 includes 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

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, CLEP, or PLTW 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 \$87 fee for each CLEP test, plus a \$25 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.

INFOGRAPHIC KEY



College Credit
Opportunity



Counts Toward
Arts Credit



CLEP

ENGLISH/LANGUAGE ARTS

PHILOSOPHY

Course Number: 0190

Length/Credit: .5 credit - 1 semester

Grade Level: 11,12

Prerequisite: This course is an elective only and does not meet any English credit requirements.

Who are you? What is knowledge and how it is attained? Is civil disobedience ever justifiable? What is a just society? Does free will exist? Are human actions pre-determined? In class, students read articles, stories, essays, and plays which provoke written and oral 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 thinkers such as Plato, Aristotle, Berkeley, Thoreau, and Descartes.

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 continue to underscore the importance of physical activity and a healthy lifestyle. Advanced Team Sports (ATS) will place more of an emphasis on skills, strategy, officiating and ethics in sports. Students will develop team practices and continue the development of sport specific skills.

BODY FITNESS

Course Number: 1304

Length/Credit: .5 credit – 1 semester

Grade Level: 9,10,11,12

Prerequisite: Successful completion of Wellness/Fitness (1311)

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. Student will experience fun and enjoyment while recognizing the value of physical activity.

LIFE-TIME RECREATIONAL SPORTS / ACTIVITIES

Course Number: 1324

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Successful completion of Wellness/Fitness (1311)

This class is designed for students interested in activities that are recreational and have a lifetime emphasis. Activities may include golf, tennis, badminton, bowling, biking, scuba, curling, broom-ball, spin class, racquetball and others. There is a \$40 fee for this course. There are scholarships available if there is financial need, see instructor.

TEAM SPORTS

Course Number: 1302

Length/Credit: .5 credit – 1 semester

Grade Level: 10,11,12

Prerequisite: Successful completion of Wellness/Fitness (1311)

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 Wellness/Fitness (1311)

This course will give students the opportunity to improve the fitness through Yoga, Pilates, Body Pump, P90x, and other low impact aerobic fitness activities.

LIFE SKILLS & CAREER READINESS

CAREER INTERNSHIP

Course Number: 1818-1819

Length/Credit: 1.0 credit – 1 semester

Grade Level: 12

Prerequisite: Application

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.

LIFE SKILLS & CAREER READINESS
Continued.....

**CULTUROUSITY: NAVIGATING
CROSS-CULTURAL COMMUNICATION**

Course Number: 0670
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

As global business continues to expand and bring everyone closer, the critical element of a successful business outcome may be the appreciation and respect for regional, country, and cultural differences. This course is designed to develop the student's confidence in interacting with people from different cultures in a variety of contexts. It enhances awareness of cross-cultural communication and diverse ways of living. The course covers different cultural practices in verbal and nonverbal communication, different value orientations, different ways of managing interpersonal relationships, and different business customs and practices. It includes American, 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.

EMPLOYMENT SKILLS SEMINAR

Course Number: 1806-1807
Length/Credit: 1.0 credit – Full Year
Grade Level: 12
Prerequisite: None
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.

PERSONAL FINANCE

Course Number: 0825
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
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.

TOP 20

Course Number: 1316
Length/Credit: .5 credit
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.



MATHEMATICS

ADVANCED PLACEMENT CALCULUS

Course Number: 0359-0360

Length/Credit: 1.0 credit – Full Year

Grade Level: 12

Prerequisite: Honors 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 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 (may take concurrently)

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 designed as 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: 3.0 Cumulative GPA and top 1/3 class rank for juniors, top 1/2 class rank for seniors.

Students will learn to identify rates of change in different models of linear relationships and know characteristics of polynomial, exponential, and periodic functions and relations; 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 including linear, exponential growth and decay, and periodic. This course will be transcribed as Mathematics 110 College Algebra (3 credits) at SMSU.

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



DISCRETE MATH I

Course Number: 0374

Length/Credit: .5 credit -1 semester

Grade Level: 10,11,12

Prerequisite: Intermediate Algebra or Honors Intermediate Algebra; recommendation of current math teacher; students may take Discrete Math I or Discrete Math II or both; Discrete Math I is NOT required before Discrete Math II

Discrete Math introduces students to mathematics that is commonly used in science and industry. Most of the topics discussed are not algebra based but nonetheless will challenge students to think, problem solve, and collaborate to come up with an optimal solution to the posted problem. **Discrete Math I:** This course will build on the concepts and skills introduced in Intermediate and Advanced Algebra. It will include various topics from probability and statistics, algebra, digital science, savings and borrowing models. Discrete Math I will include more algebra based topics than Discrete Math II and will be perfect for students who need College Algebra as a post-secondary requirement.

DISCRETE MATH II

Course Number: 0375

Length/Credit: .5 credit -1 semester

Grade Level: 10,11,12

Prerequisite: Intermediate Algebra or Honors Intermediate Algebra; recommendation of current math teacher; students may take Discrete Math I or Discrete Math II or both; Discrete Math I is NOT required before Discrete Math II

Discrete Math introduces students to mathematics that is commonly used in science and industry. Most of the topics discussed are not algebra based but nonetheless will challenge students to think, problem solve, and collaborate to come up with an optimal solution to the posted problem. **Discrete Math II:** The focus of this course will be non-algebra based topics such as circuits, paths, and scheduling. Well known problems such as the Konigsberg Bridge problem and the Traveling Salesman problem will be explored as well as how these problems apply to our lives today. Voting Models will also be a focus.

HONORS PRE-CALCULUS

Course Number: 0355-0356

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: B or higher recommended in Honors Advanced Algebra; recommendation of current math teacher

This course emphasizes trigonometric functions. Other topics covered include: conic sections, parametric equations, complex numbers, and vectors.

CLEP Consider taking the Pre-calculus CLEP test.



PROBABILITY & STATISTICS: AN INTRODUCTION

Course Number: 0390-0391

Length/Credit: 1.0 credit – Full Year

Grade Level: 11,12

Prerequisite: Intermediate Algebra

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 academics. 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 - 2018-19, 2020-21, 2022-23, etc.

Band

RUNESTONE BAND

Course Number: 1203-1204

Length/Credit: 1.0 credit – Full Year

Grade Level: 9,10,11,12

Prerequisite: Basic Placement Audition with Band Director

Co-requisite: Participation in Pep Band is required

Runestone 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 Runestone 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.



SYMPHONIC BAND

Course Number: 1221-1222

Length/Credit: 1.0 credit – Full Year

Grade Level: 10,11,12 and select 9

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: 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 credit – Full Year

Grade Level: 10,11,12

Prerequisite: Audition with Band Director

Co-requisite: Participation in Pep Band is required

Wind Ensemble is a performing group with an established instrumentation (at the discretion of the director). This group is reserved for students 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 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.



Choir

BOYS CHORUS

Course Number: 1207-1208

Length/Credit: 1.0 credit – Full Year

Grade Level: 9,10,11, 12

Prerequisite: Basic Placement Audition

Membership is open to any male student who enjoys singing and wishes to further develop his 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 no less than four concerts each year (including regional festival participation).



CONCERT CHOIR

Course Number: 1213-1214

Length/Credit: 1.0 credit – Full Year

Grade Level: 9,10,11,12

Prerequisite: Audition

Membership is open to students' grades 9-12 by audition and selection. Auditions are typically competitive and are based on vocal control and musical literacy. Previous membership in 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 high school choral literature.



GIRLS CHORUS

Course Number: 1209-1210

Length/Credit: 1.0 credit - Full Year

Grade Level: 9,10,11, 12

Prerequisite: Basic Placement Audition

Membership is open to any female student who enjoys singing and wishes to further develop her 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 no less than four concerts each year (including regional festival participation).



MUSIC ARTS *Continued....*

SELECT WOMEN'S CHOIR

Course Number: 1215-1216
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: Audition



Membership is open to students' grades 9-12 by audition and selection. Auditions are typically competitive and are based on vocal control and musical literacy. Previous membership in choral ensemble is recommended. Select Women's Choir meets every-other day for the entire school year, and performs no less than five concerts each year (including festival participation). An attempt is made to acquaint the student with the best types of high school treble choral literature.

Orchestra

INTERMEZZO ORCHESTRA

Course Number: 1232-1233
Length/Credit: 1.0 credit – Full Year
Grade Level: 9
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, and string orchestra. The Intermezzo Orchestra is open to all 9th grade students who play an orchestral stringed instrument. There is a \$35 fee for rental of school owned instruments.

PHILHARMONIA ORCHESTRA

Course Number: 1234-1235
Length/Credit: 1.0 credit – Full Year
Grade Level: 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 \$35 fee for rental of school owned instruments for viola, cello and bass.

SINFONIA ORCHESTRA

Course Number: 1236-1237
Length/Credit: 1.0 credit – Full Year
Grade Level: 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 \$35 fee for rental of school owned instruments for viola, cello and bass.

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 for College Credits: 66%ile class rank for juniors, 50%ile class rank for seniors

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 French 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 for College Credit: 66%ile class rank for juniors, 50%ile class rank for seniors

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 French 201 Intermediate French I (4 credits) at SCSU.



SMSU SPANISH 201 (COLLEGE SPANISH III)

Course Number: 0663-0664

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

Grade Level: 11,12

Prerequisite for College Credit: 3.0 Cumulative GPA and top 1/3 class rank for juniors, top 1/2 class rank for seniors

SMSU 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 Spanish 201 Intermediate Spanish I (4 credits) at SMSU.



SMSU SPANISH 202 (COLLEGE SPANISH IV)

Course Number: 0665-0666

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

Grade Level: 12

Prerequisite for College Credit: 3.0 Cumulative GPA and top 1/3 class rank for juniors, top 1/2 class rank for seniors.

SMSU 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 Spanish 202 Intermediate Spanish II (4 credits) at SMSU.



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.



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.

CMETS: A cooperative of eight central Minnesota school districts (Albany, Alexandria, Brandon-Evansville, Melrose, Minnewaska, Osakis, Parkers Prairie, and Sauk Centre) formed to provide technological service and support to its members. This cooperative allows districts to enhance curriculum offerings to member schools.

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.

Co-requisite: A co-requisite is a required course that is to be taken at the same time the course in question is to be taken.

Dual Enrollment: Dual enrollment is an enrollment plan that allows a student to earn credit in both a high school and community college or 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.

Free Application for Federal Student Aid (FAFSA): A form used to apply for financial aid.

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®).

GPA: The abbreviation for grade point average.

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 because of the challenging nature of the curriculum.

Mentor: An older person who gives support and guidance to a younger person.

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 prerequisite is a required course that is completed before a student can take a course in question.

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 **first enrolling at an NCAA Division II school on or after August 1, 2019** 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 (initial Division II enrollment beginning August 1, 2018)
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 (initial Division II enrollment beginning August 1, 2018)
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 **first enrolling at an NCAA Division I school on or after August 1, 2016** 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 (initial Division I enrollment beginning August 1, 2016)
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 (initial Division I enrollment beginning August 1, 2016)
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
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
SMSU SPANISH 201
SMSU 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
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 PHYSICS
COLLEGE PHYSICS LAB
ENVIRON SCIENCE
FORENSIC SCIENCE
HONORS PHYSICAL SCIENCE
HUMAN ANATOMY
HUMAN ANATOMY II
MN ROCKS & WATERS
ORGANIC CHEMISTRY
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