





ALEXANDRIA
AREA HIGH SCHOOL



2026-27 Course Catalog

Registration information for students entering Grades 9-12





Vision

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

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

Mission

SCHOOL BOARD MEMBERS

Angie Krebs, Chair
Tracy Capistrant, Director
Maureen Eigen, Treasurer
Laura Knudsen, Director
TBD, Director
Shawn Reilly, Director
Alan Zeithamer, Director

DISTRICT ADMINISTRATION

(320) 762-2141

Rick Sansted, Superintendent – ext. 4203
Trish Perry, Asst Superintendent of Teaching & Learning – ext. 4205
Michelle Bethke-Kaliher, Director of Student Support Services – ext. 4297

HIGH SCHOOL STAFF

(320) 762-2142

Chad Duwenhoegger, Principal – ext. 4525
Robert Brakke, Assistant Principal – ext. 4532
Ben Kvidt, Activities Director – ext. 4302
Sarah Reif, School Counselor – ext. 4519
Melissa Firme, School Counselor – ext. 4512
Meghan Orgeman, School Counselor – ext. 4514
Carrie Urness, School Counselor – ext. 4513



Chad Duwenhoegger, Principal



Robert Brakke, Assistant Principal



Ben Kvidt, Activities Director



Sarah Reif, Counselor Freshman Exploration Academy



Melissa Firme, Counselor EMTNR Academy



Meghan Orgeman, Counselor BCE Academy



Carrie Urness, Counselor HSHS Academy

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Alexandria Public Schools-ISD 206 does not discriminate on the basis of race, color, creed, religion, national origin, sex, age, marital status, familial status, status with regard to public assistance, sexual orientation or disability in admission to its programs, services or activities, in access to them, in treatment of individuals or in any aspect of their operations. School District 206 Career and Technical Education department does not discriminate in enrollment or access to any of the programs available. The lack of English language skills shall not be a barrier to admission or participation in the district's activities and programs.

PROJECT COORDINATION:
Jill Johnson, Communications & Marketing Director
AAHS School Counselors

SCHOOL START/END TIME

REGULAR SCHOOL DAYS

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

ADVISORY/OPTIONS HOUR DAYS

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

SCHEDULE

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

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

SAMPLE SCHEDULE KEY

Black = Core Curriculum Coursework
Red = Academy or Global Elective Options

ALEXANDRIA AREA HIGH SCHOOL

9TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

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

10TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

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

11TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

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

12TH GRADE STUDENT SEMESTER SCHEDULE EXAMPLE

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

* 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 <u>AFTER THE 1ST WEEK</u> 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.

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
- English 12 (or College Composition I, College Composition II, or Public Speaking) ..... 1.0 Credit

SOCIAL STUDIES — **3.5 CREDITS**

- Social Studies 9 (or Advanced Placement Human Geography) ..... 0.5 Credit
- World History I and II (or Advanced Placement World History: Modern) ..... 1.0 Credit
- US History (choose one of the following options) ..... 1.0 Credit
  - Early US History and Recent US History
  - College US History online
  - College American Studies
  - Advanced Placement US History
- Economics and Government (or College Macroeconomics and College American Government) ..... 1.0 Credit

MATHEMATICS — **3.0 CREDITS**

- Intermediate Algebra (Honors Intermediate Algebra) ..... 1.0 Credit
- Geometry (or Honors Geometry) ..... 1.0 Credit
- Advanced Algebra (or Honors Advanced Algebra) ..... 1.0 Credit

SCIENCE — **3.0 CREDITS**

- Integrated Science (or Honors Integrated Science) ..... 1.0 Credit
- Biology (or AP Biology) ..... 1.0 Credit
- Chemistry or Physics (choose one of the following options) ..... 1.0 Credit
  - Chemistry
  - AP Chemistry/College General Chemistry I & II
  - Physics
  - Physics in Manufacturing I & II
  - College Physics & Lab
  - College General Chemistry I

HEALTH & PHYSICAL EDUCATION — **1.0 CREDIT**

- Health ..... 0.5 Credit
- Physical Education ..... 0.5 Credit

ARTS (Qualifying classes are marked with a ★ on pages 10-11 and in course descriptions) — **1.0 CREDIT**

PERSONAL FINANCE (Required for the class of 2028 and beyond) — **0.5 CREDITS**

ELECTIVES (Required for the class of 2027) — **14.5 CREDITS**

ELECTIVES (Required for the class of 2028 and beyond) — **14.0 CREDITS**

TOTAL CREDITS — **30 CREDITS**

ALEXANDRIA ACADEMY ADVISORY

All students will be assigned to an Academy Advisory. Alexandria Academy Advisory 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.

4 YEAR COLLEGE/UNIVERSITY PREPARATION:

Many four-year colleges recommend that students complete two years of the same World Language. Students interested in attending competitive universities are required to have a fourth year of Math. 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
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.		
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 (unless a grade of "S" is assigned at a teacher's discretion)	0	56% and below

CALCULATING GRADE POINT AVERAGE (GPA):

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

CUMULATIVE GPA / CLASS RANK

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

GPA RECOGNITION

Honor Roll: Students with a GPA of 3.0 or higher will be included on the honor roll.
National Honor Society (NHS): A student must have a cumulative GPA of a 3.4 or higher to qualify for consideration (juniors and seniors only) in addition to other criteria. Students who qualify for consideration will be invited to apply for NHS.
Graduation Tassels: Gold Tassel (3.67-4.00 cumulative GPA); Silver Tassel (3.33-3.66 cumulative GPA); Gold and Silver Tassels will be determined at the end of a student's senior year prior to commencement.

GRADING INFORMATION

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

INCOMPLETES

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

COURSE RETAKES

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

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

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

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:

YEAR IN SCOOL	After SEMESTER 1	After SEMESTER 2
Grade 9	3.5	7.5
Grade 10	11	15
Grade 11	18.5	22
Grade 12	26	30

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

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

ATHLETICS

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

ADDITIONAL EXTRACURRICULARS

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

COLLEGE CREDIT OPPORTUNITIES AT ALEXANDRIA AREA HIGH SCHOOL

TRANSFERRING COLLEGE CREDITS:

For planning purposes regarding whether concurrent enrollment courses at AAHS through partnering colleges might transfer to your "end" college of interest, students are encouraged to contact the transfer personnel at their "end" college/s of interest. Refer to the transfer information on those colleges' websites, and use the transferology.com.

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.

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

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

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

College Credit Opportunities at Alexandria Area High School

Concurrent Enrollment

ATCC

Minimum High School GPA
12th grade- 2.8 GPA
11th grade- 3.0 GPA
10th grade- 3.4 GPA

If minimum high school GPA is **NOT** met **one** of the following must be met:
Accuplacer Reading- 250,
MCA Reading- 1047,
ACT Reading- 21

SCSU

12th grade need to meet **one** of the following:
3.0 GPA
Top half of graduating class
Nationally standardized test score below

11th grade need to meet **one** of the following:
3.5 GPA
Top third of graduating class
Nationally standardized test score below

10th grade need to meet **one** of the following:
3.75 GPA or higher
Top tenth of graduating class
Nationally standardized test score below

Nationally Standardized test scores:
ACT: 23 or above composite score
Pre-ACT: 22 or above composite score
PSAT: 1070 or above

SMSU

12th grade need to meet **one** of the following:
3.0 GPA or higher
Top half of graduating class
Score in the 50%ile on nationally standardized test

11th grade need to meet **one** of the following:
3.0 GPA or higher
Top third of graduating class
Score in the 70%ile on nationally standardized test

10th grade need to meet **one** of the following:
3.5 GPA or higher
Top tenth of graduating class
Score in the 90%ile on nationally standardized test

ATCC = Alexandria Technical and Community College
SCSU = St. Cloud State University
SMSU = Southwest Minnesota State University

AAHS College Credit Courses

High School Course	College Course
AP Calculus / College Calculus I	MATH 1426 Calculus I 4 Credits ATCC
AP Chemistry / College General Chemistry I & II	CHEM 1500 General Chemistry I 4 Credits ATCC CHEM 1505 General Chemistry II 4 Credits ATCC
AP Statistics / College Intro to Stats	MATH 1447 Introduction to Statistics 4 Credits ATCC
CAPS College Intro to Education & Lab	ED 101 Introduction to Education & Lab 3 Credits SMSU
CAPS College Principles of Marketing	MKTG 2525 Principles of Marketing 3 Credits ATCC
CAS Composition I / Literature	ENGL 1410 Composition I 3 Credits ATCC
CAS Composition I / Literature	ENGL 2405 Modern American Literature 3 Credits ATCC
CAS US History to 1877	HIST 1401 US History to 1877 3 Credits ATCC
CAS US Hist 1877 to Present	HIST 1402 US History, 1877 to present 3 Credits ATCC
College Algebra	Math 110 College Algebra 3 Credits SMSU
College American Government	POL 220 American National Governement 3 Credits SMSU
College Composition I	ENGL 1410 Composition I 3 Credits ATCC
College Composition I online	ENGL 1410 Composition I 3 Credits ATCC
College Composition II	ENGL 1420 Composition II 3 Credits ATCC
College Composition II online	ENGL 1420 Composition II 3 Credits ATCC
College French III (French 102)	FREN 102 Beginning French II 4 Credits SCSU
College French IV (French 201)	FREN 201 Intermediate French I 4 Credits SCSU
College Intro to Computers	ITEC 1430 Intro to Computers 3 Credits ATCC
College General Chemistry I	CHEM 1500 General Chemistry I 4 Credits ATCC
College General Psychology	PSYC 1445 General Psychology 3 Credits ATCC
College Macroeconomics	ECON 202 Principles of Macroeconomics 3 Credits SMSU
College Physics	PHYS 120 Introductory Physics 3 Credits SMSU
College Physics Lab	PHYS 120L Introductory Physics Lab 1 Credit SMSU
College Principles of Management	BUS 2220 Principles of Management 3 Credits ATCC
College Public Speaking	COMM 1415 Public Speaking 3 Credits ATCC
College Spanish III (Spanish 201)	SPAN 201 Intermediate Spanish I 4 Credits SCSU
College Spanish IV (Spanish 202)	SPAN 202 Intermediate Spanish II 4 Credits SCSU
College Tool Safety and First Aid	CARP 1631 Tool Safety and First Aid 3 Credits ATCC
College US History to 1877 online	HIST 1401 US History to 1877 3 Credits ATCC
College US History, 1877 to Present online	HIST 1402 US History, 1877 to Present 3 Credits ATCC
Nrs Assist/Hm Hlth Aide	PNSG 1640 Nursing Assistant/Home Health Aide 3 Credits ATCC

College Credit may be Earned in the Following ways:

College Credit Opportunities at Alexandria Area High School

	AAHS College Credit Courses	College Credit may be Earned in the Following ways:
Advanced Placement (AP)	AP Environmental Science AP World History: Modern AP US History AP Calculus /College Calculus AP Human Geography AP Statistics AP Biology AP Chemistry/ College General Chemistry I & II AP Music Theory AP Studio Art AP Precalculus	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: https://apstudents.collegeboard.org/getting-credit-placement/search-policies
College Level Exam Program (CLEP) 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	**AAHS Course** AP US History Honors Advanced Algebra AP Calculus (one or both semesters) AP Biology AP Chemistry / College General Chemistry I & II Accounting II AP Precalculus	**Suggested CLEP Exam** History of the US I, History of the US II College Algebra, College Math Calculus Biology Chemistry Financial Accounting Precalculus
North Dakota State College of Science Articulation Agreement	**Complete the following at AAHS:** Culinary Arts I Culinary Arts II Cardinal Café (Culinary Arts III)	**Earn toward NDSCS Culinary Arts Program:** CULN 100 Culinary Fundamentals (3 credits)
Post Secondary Enrollment Options (PSEO)	You must meet with your counselor to discuss PSEO 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. **Students must notify their school district of their intent to enroll in PSEO courses during the following school year by May 30 (for fall enrollment) and October 30 (for spring enrollment).**	This option allows any 11th or 12th grade students 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 eligibility and application deadline.



Course Offerings Summary

SYMBOL KEY

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

ENGLISH/LANGUAGE ARTS REQUIREMENTS

0175-0189	*CAS: Modern American Literature/Composition I		
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)	0.75	11,12
0188	*College Composition II	0.75	11,12
0149	!*College Composition II (online)	0.75	11,12
0170	*College Public Speaking	0.75	11,12
0117-0118	English 9-1 and 9-2	1.00	9
0101-0102	*English 10-1 and 10-2	1.00	10
0105-0106	*English 11-1 and 11-2	1.00	11
0119-0120	!*English 11-1 and English 11-2 (online)	1.00	11
0125-0126	*English 12-1 and 12-2	1.00	12
0121-0122	!*English 12-1 and 12-2 (online)	1.00	12

HEALTH / PHYSICAL EDUCATION REQUIREMENT

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

MATH REQUIREMENTS

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

SCIENCE REQUIREMENTS

0450-0451	!AP Biology	1.00	10,11,12
0458-0459	!*AP Chemistry/College General Chemistry		
		2.00	11,12
0421-0424	Biology	1.00	10
0434-0435	*Chemistry	1.00	11,12
0462-0463	College General Chemistry I	1.00	11,12
0446-0447	*College Physics	1.00	11,12
0448-0449	*College Physics Lab	1.00	11,12
0471-0472	! Honors Integrated Science	1.00	9
0467-0468	Integrated Science	1.00	9
0432-0433	*Physics	1.00	11,12
0442-0443	*Physics in Manufacturing I & II	1.00	11,12

SOCIAL STUDIES REQUIREMENTS

0222-0223	!AP Human Geography	1.00	9,10,11,12
0250-0251	!AP United States History	1.00	11,12
0226-0227	!AP World History: Modern	1.00	10,11,12
0216	*College American Government	0.75	12
0286-0288	*CAS: US History to 1877 & 1877 to Present		
0175-0189	*CAS: Modern American Literature/Composition I	3.0	11
0215	*College Macroeconomics	0.75	12
0238	*College US History to 1877 (online)	0.75	11,12
0239	*College US History 1877 to Present (online)	0.75	11,12
0203-0202	Early US History and Recent US History	1.00	11
0252	Economics	0.50	12
0253	Government	0.50	12
0200	Social Studies 9	0.50	9
0211-0212	World History I and II	1.00	10

BCE ACADEMY

0826		Accounting I	0.50	10,11,12
0827		*Accounting II	0.50	10,11,12
0753	✪	*Advanced Digital Art	0.50	9,10,11,12
0729	✪	!* Advanced Media Productions: AAHS Daily News	0.50	11,12
0755	✪	*Advanced Photography	0.50	9,10,11,12
0717	✪	*Advanced Pottery & Sculpture	0.50	10,11,12
0196	✪	*Advanced Theatre Arts	0.50	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
0732	✪	*Beyond The Curtain	0.50	9,10,11,12
0831		Business Careers	0.50	9
1870-1871		* CAPS (Business/College Principles of Marketing)	1.25	12
0810		*College Intro to Computers	0.75	10,11,12
0832		*College Principles of Management	0.75	11
0174		Communications & Journalism	0.50	9,10,11,12
0833		Computer Hardware, Networking and Systems	0.50	9,10
0173		Creative Writing	0.50	10, 11, 12
1128		Culinary Arts I	0.50	9,10,11,12
1129		*Culinary Arts II	0.50	10,11,12
1130-1131		!*Culinary Arts III (Cardinal Café)	1.00	11,12
0727	✪	Digital Art	0.50	9,10,11,12
0804		Entrepreneurship/Management	0.50	10,11,12
0731	✪	*Exploring Acting / Performing Arts	0.50	9,10,11,12
0820	✪	Game Design I	0.50	9,10,11,12
0728	✪	*Graphic Design & Illustration	0.50	9,10,11,12
1110	✪	Interior Design	0.50	10,11,12
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
0704	✪	Photography	0.50	9,10,11,12
0722	✪	Pottery & Sculpture	0.50	10,11,12
0830		Programming in Python	0.50	10,11,12
0730	✪	*Theatre Unveiled: Introduction & Application	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

0469-0470		AP Environmental Science	1.00	10,11,12
1037	✪	*Advanced Floral Design	0.50	11,12
0936		*Advanced Metal Fabrication	0.50	11,12
0934		*Advanced Small Engines	0.50	11,12
0904		*Advanced Woods	0.50	9,10,11,12
1014		Agriculture, Food & Natural Resources	0.50	9,10
0907		Architecture: Drafting & Design	0.50	10,11,12
0429		Astronomy & Meteorology	0.50	10,11,12
0944		Aviation	0.50	10,11,12
0924		*Building Trades	0.50	10,11,12
1860-1861		*CAPS (EMTNR)	1.00	12

Course Offerings Summary

0937-0938	*Cardinal Fab	1.00	11,12
0947	*Car Care: Advanced Auto Machanics	0.50	12
0942	*CNC Manufacturing	0.50	10,11,12
0946	*College Tool Safety & First Aid	1.00	11,12
1022	Companion Animal Science	0.50	9,10,11,12
0941	*Engineering and Design	0.50	10,11,12
0901	Engineering, Manufacturing, & Architecture	0.50	9,10
0943	*Engineering Principles	0.50	10,11,12
1029	Floral Design	0.50	9,10,11,12
1021	Forestry	0.50	9,10,11,12
1017	Get Your Green Thumb	0.50	10,11,12
0945	*Heavy Equipment Operations & Management	0.50	12
1018	Horticulture	0.50	11,12
0911	Introduction to Robotics	0.50	9,10,11,12
1016	Landscape Design	0.50	9,10,11,12
0948	*Mechatronics	0.50	10,11,12
0905	Metal Fabrication	0.50	10,11,12
1015	MN Habitat & Wildlife Management	0.50	10,11,12
0426	MN Rocks & Waters	0.50	11,12
1024	Precision Ag	0.50	11,12
0929	Small Engines	0.50	10,11,12
1011	Wildlife Studies	0.50	11,12
0922	Woods	0.50	9,10,11,12

HSHS ACADEMY

1307	Basics of Coaching & Officiating	0.50	10,11,12
1852-1853	*CAPS (Healthcare)	1.00	12
1854-1855	*CAPS (Human Services)	1.00	12
1849-1850	*CAPS (Teacher Education/College Introduction to Education & Lab)	1.25	12
0214	Citizens Academy	0.50	9,10,11,12
0224	*Citizens Academy II	0.50	10,11,12
0205	*College General Psychology	0.75	11,12
0407	*Emergency Medical Responder	0.50	12
0413	*Forensic Science	0.50	10,11,12
1326	Health Careers	0.50	9,10
0406	*Human Anatomy I	0.50	11,12
0416	*Human Anatomy II	0.50	11,12
0217	Human Development I	0.50	9,10,11,12
0218	*Human Development II	0.50	10,11,12
0220	Human Service Careers	0.50	9,10,11,12
0206	Introduction to Psychology	0.50	11,12
0210	*Law & Civil Liberties (to be offered 2026-27)	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

GLOBAL ELECTIVES - HEALTH & PHYSICAL EDUCATION

1305	*Advanced Body Fitness	0.50	10,11,12
1303	*Advanced Team Sports	0.50	11,12
1304	Body Fitness	0.50	9,10,11,12
1324	*Lifetime Recreational Sports/Activities	0.50	10,11,12
1302	*Team Sports	0.50	10,11,12
1306	*U Fit	0.50	10,11,12
1322	*Unified Physical Education	0.50	11,12

GLOBAL ELECTIVES - LIFE SKILLS & CAREER READINESS

1818-1819	*Career Internship	1.00	12
0670	Culturosity	0.50	10,11,12
1808-1809	*Employment Experience (during school day)	1.00	12
1814-1815	*Employment Experience (after school I)	1.00	12
1816-1817	*Employment Experience (after school II)	1.00	12
1806-1807	*Employment Skills Seminar	1.00	12
0669	International Film Studies	0.50	10,11,12
0256	Modern American Pop Culture (to be offered 2026-27)	0.50	11,12
0825	Personal Finance	0.50	11,12
2005	Study Block (Semester 1)	0.00	9,10,11,12
2006	Study Block (Semester 2)	0.00	9,10,11,12
1822	*Teaching Assistant/Student Tutor	0.50	10,11,12
1316	Top 20	0.50	10,11,12
(see counselor)	Youth Skills Training (YST)	0.50-2.00	11,12

GLOBAL ELECTIVES - MATHEMATICS

0383-0384	*AP Calculus/College Calculus I	1.00	12
0380-0381	*AP Precalculus	1.00	11,12
0349-0350	*AP Statistics/College Intro to Stats	1.00	11,12
0361	*College Algebra	0.75	11,12
0390-0391	*Probability & Statistics	1.00	11,12

GLOBAL ELECTIVES - MUSIC

1240-1241	*AP Music Theory (to be offered 2026-2027)	1.00	11,12
1239	Sound Production and Technology	0.50	10,11,12
1221-1222	*Symphonic Band	1.00	9,10,11,12
1205-1206	*Viking Band	1.00	9,10,11,12
1219-1220	*Wind Ensemble	1.00	9,10,11,12
1246-1247	*Cardinal Choir	1.00	9,10,11,12
1213-1214	*Concert Choir	1.00	10,11,12
1249-1250	Tenor/Bass Choir	1.00	9,10,11,12
1251-1252	Treble Choir	1.00	9,10,11,12
1236-1237	*Sinfonia Orchestra	1.00	9,10,11,12
1234-1235	Philharmonia Orchestra	1.00	9,10,11,12
1248	Unified Music	0.50	10,11,12

GLOBAL ELECTIVES - WORLD LANGUAGES

0655-0656	*College French III	1.00	11,12
0657-0658	*College French IV	1.00	12
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
0680-0681	*College Spanish III	1.00	11,12
0682-0683	*College Spanish IV	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.



- This option provides opportunity for students to earn credits towards graduation in an alternative learning environment.

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



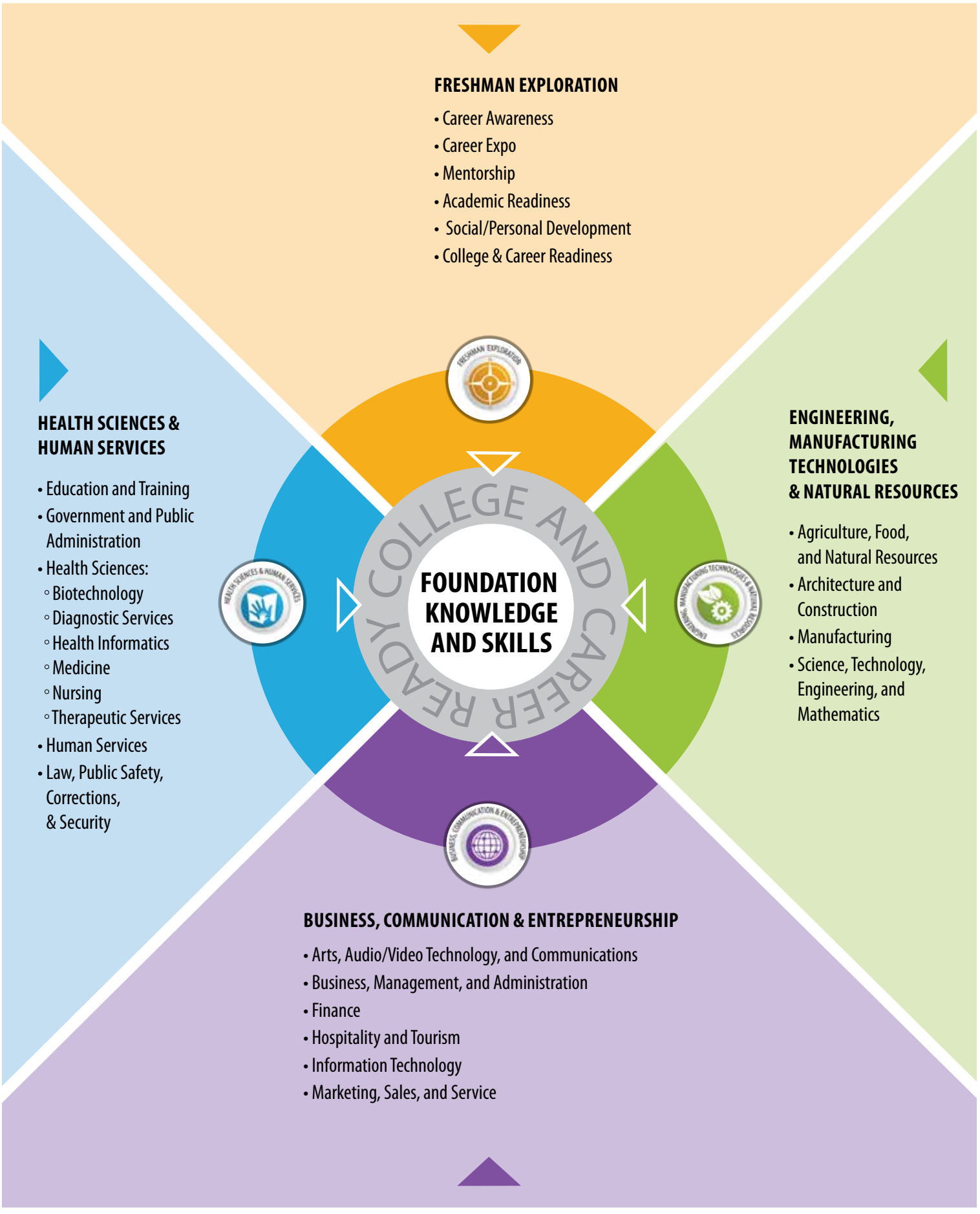
- Engineering, Manufacturing Technologies, and Natural Resources



- Health Sciences and Human Services

ACADEMIES OF ALEXANDRIA CHAMPION COMMITTEE REPRESENTATIVES

Shannon Patience, AAHS Academy Coach
Mark Anderson, Knute Nelson
Tara Bitzan, Alexandria Lakes Area Chamber of Commerce
Mandy Brower, The Dashery - Downtown Business Merchants
Chad Duwenhoegger, High School Principal
Nicole Fernholz, Alexandria Area Economic Development Commission
Doug Houska, Viking Bank
Sean Johns, Alexandria Technical & Community College
Trish Perry, Asst. Superintendent - Teaching & Learning
Jill Johnson, Communications & Marketing Director
Angie Krebs, School Board
Bobbie Osterberg, City of Alexandria
Jeff Restad, Bell Bank
Rick Sansted, Superintendent
Marty Schultz, City of Alexandria
Brent Urke, Douglas Machine
Courtney Murphy, Alexandria Area Economic Development Commission Representative
Carl Vaagenes, Alomere Health


FRESHMAN EXPLORATION
• Career Awareness
• Career Expo
• Mentorship
• Academic Readiness
• Social/Personal Development
• College & Career Readiness
HEALTH SCIENCES & HUMAN SERVICES
• Education and Training
• Government and Public Administration
• Health Sciences:
◦ Biotechnology
◦ Diagnostic Services
◦ Health Informatics
◦ Medicine
◦ Nursing
◦ Therapeutic Services
• Human Services
• Law, Public Safety, Corrections, & Security
ENGINEERING, MANUFACTURING TECHNOLOGIES & NATURAL RESOURCES
• Agriculture, Food, and Natural Resources
• Architecture and Construction
• Manufacturing
• Science, Technology, Engineering, and Mathematics
COLLEGE AND CAREER READY
FOUNDATION KNOWLEDGE AND SKILLS
BUSINESS, COMMUNICATION & ENTREPRENEURSHIP
• Arts, Audio/Video Technology, and Communications
• Business, Management, and Administration
• Finance
• Hospitality and Tourism
• Information Technology
• Marketing, Sales, and Service

FRESHMAN EXPLORATION ACADEMY

Freshman Exploration

Career Awareness

Career Expo

Mentorship

Academic Readiness

Social/Personal Development

College & Career Readiness

INFOGRAPHIC KEY

College Credit Opportunity

Counts Toward Arts Credit

Watch for these symbols in the course descriptions.

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

FRESHMAN EXPLORATION ADVISORY BOARD

Shannon Patience, AAHS Academy Coach
Gretta Brunelle, High School Math Teacher
Chad Duwenhoegger, High School Principal
Marv Hoffman, Midwest Machinery
Chelsey Justice, Lakeshore Psychology
DeeDee Larson, Rural MN CEP
Collette Loch, High School Spanish Teacher
Courtney Murphy, Alexandria Area Economic Development Commission Representative
Nicole Olson, Habitat for Humanity
Sarah Reif, School Counselor
Josh Tatge, Ameriprise Financial
Julie Trosvig, Alexandria Technical & Community College

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

Freshman Elective Opportunities

Academy	Business, Communication & Entrepreneurship (includes Art Electives)	Engineering, Manufacturing Technologies & Natural Resources	Health Sciences & Human Services	Global Electives
9	• Advanced Digital Art • Advanced Photography • Art & Design I • Beyond The Curtain • Business Careers • Communications & Journalism • Computer Hardware, Networking and Systems • Culinary Arts I • Digital Art • Exploring Acting / Performing Arts • Game Design I • Graphic Design & Illustration • Photography • Theatre Unveiled: Introduction & Application • Web Page Design	• Advanced Woods • Agriculture, Food & Natural Resources • Companion Animal Science • Engineering, Manufacturing & Architecture • Engineering & Design • Floral Design • Forestry • Introduction to Robotics • Landscape Design • Woods	• Citizens Academy • Health Careers • Human Development I • Human Service Careers	• Body Fitness • French I • Music Arts ◦ Choir ◦ Band ◦ Orchestra • Spanish I

HEALTH

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

The health education program is designed to empower students with life skills to improve or maintain a higher level of social, mental/emotional, and physical wellness. Students in this course will discover information and learn the skills required to make effective health decisions in key aspects of their lives. Students will learn through small group projects, small and large group discussions, teacher presentations, and individual reading and research.

PHYSICAL EDUCATION

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

In this course students will examine physical activity and discover how it can positively affect their life. Students will engage in a variety of physical activities including lifetime/ leisure activities, wellness activities, and team activities. This course will provide students the resources to reach a high level of physical health throughout their lifetime.

BCE ACADEMY



Business, Communication & Entrepreneurship

BCE Career Pathways:

Arts, Audio/Video Technology, and Communications

Business, Management, and Administration

Finance

Hospitality and Tourism

Information Technology

Marketing, Sales, and Service

INFOGRAPHIC KEY



College Credit Opportunity

Counts Toward Arts Credit



CLEP®

Watch for these symbols in the course descriptions.

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BCE ACADEMY ADVISORY BOARD

Shannon Patience, AAHS Academy Coach
Shannon Berns, Du Nord Consulting
Ryan Blakesley, Viking Bank
Bill Bring, Bring Corp
Chad Duwenhoegger, High School Principal
Jan Finazzo, High School Business Teacher
Megan Jacob, High School Business Teacher
Chad Meyer, Garden Center Lanes/Fat Daddy's
Courtney Murphy, Alexandria Area Economic Development Commission Representative
Meghan Orgeman, School Counselor
James Pence, The Arts Collaborative
Bryan Richter, XS Consulting
Rita Scholten, High School Spanish Teacher
Sarah Spieker, High School English Teacher
Chris Uhde, Leighton Broadcasting
Joy Wrolson, First Congregational United Church of Christ

Grade	Arts, Audio/Video Technology & Communications	Business, Management & Administration Finance Hospitality & Tourism Marketing, Sales & Service	Information Technology
12		• CAPS (Business/College Principles of Marketing)	
11,12	• Advanced Media Productions: AAHS Daily News • Advanced Theatre Arts • AP Studio Art • Culinary Arts III (Cardinal Café)	• Culinary Arts III (Cardinal Café) • College Principles of Management	• Advanced Media Productions: AAHS Daily News
10,11, 12	• Advanced Pottery and Sculpture • Art & Design II • Creative Writing • Culinary Arts II • Interior Design • Media Productions • Pottery and Sculpture • Video Production • Yearbook	• Accounting I • Accounting II • College Intro to Computers • Culinary Arts II • M1 - Advertising & Sales • M2 - Digital Marketing & Community Promotions	• College Intro to Computers • Media Productions • Programming in Python • Video Production
9,10 11,12	• Advanced Digital Art • Advanced Photography • Art & Design I • Beyond The Curtain • Communications & Journalism • Computer Hardware, Networking and Systems • Culinary Arts I • Digital Art • Exploring Acting/Performing Arts • Game Design I • Graphic Design & Illustration • Photography • Theatre Unveiled: Introduction & Application • Web Page Design	• Business Careers • Culinary Arts I • Web Page Design	• Computer Hardware, Networking and Systems • Game Design I • Graphic Design & Illustration • Web Page Design

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.

ACCOUNTING II

Course Number: 0827
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Accounting I

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

CLEP Consider taking the Financial Accounting CLEP test.

ADVANCED DIGITAL ART

Course Number: 0753
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: Digital Art

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



ADVANCED MEDIA PRODUCTIONS: AAHS DAILY NEWS

Course Number: 0729
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Video Production or Media Productions; or Instructor Signature

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

ADVANCED PHOTOGRAPHY

Course Number: 0755
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Photography

This course is designed for students ready to expand their creative and technical skills beyond the basics, building on foundational knowledge from Photography. Students will explore advanced digital camera techniques, studio lighting, photo composition, and creative editing using Adobe Photoshop and Lightroom. They will engage in themed projects, critique sessions and portfolio development to refine their artistic vision and storytelling through images. Emphasis will be placed on personal style, mastering exposure and lighting, and experimenting with genres. At the conclusion of the course, students will produce a professional-quality portfolio.

ADVANCED POTTERY AND SCULPTURE

Course Number: 0717
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Pottery and Sculpture

Course Fee: $20

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

ADVANCED THEATRE ARTS

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

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

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

Course Number: 0778-0779
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Instructor signature
Course Fee: $15

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

ART & DESIGN I

Course Number: 0701
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

ART & DESIGN II

Course Number: 0703
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Art & Design I
Course Fee: $15

An advanced level course in studio art with an emphasis on developing a greater understanding of the Elements of Art and Principles of Design. Studio experiences in the classroom will give students an opportunity to experience a wide variety of advanced media (pencil, pen and ink, pastel, and acrylic and oil paints) while developing student individual style and creative problem solving skills. Students will demonstrate their ability to respond, analyze and interpret 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.

BEYOND THE CURTAIN

Course Number: 0732
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: Theatre Unveiled, Intro to Theatre Arts; or Instructor Signature

Are you interested in having a role behind the scenes of a production? This course will explore the backstage and business elements of theatre. Students will dive deeper into lights, sound, set design, marketing, directing, and more.

BUSINESS CAREERS

Course Number: 0831
Length/Credit: .5 credit – 1 semester
Grade Level: 9
Prerequisite: None

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

CAPS (BUSINESS/COLLEGE PRINCIPLES OF MARKETING)

Course Number: 1870-1871
Length/Credit: 1.25 High School Credit / 3 College Credits – 1 semester
Grade Level: 12
Prerequisite: Application available in the College & Career Center

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

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

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



COLLEGE INTRO TO COMPUTERS

Course Number: 0810
Length/Credit: .75 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8

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

COLLEGE PRINCIPLES OF MANAGEMENT

Course Number: 0832
Length/Credit: .75 credit – 1 semester
Grade Level: 11
Prerequisite: One of the following: M1, M2 or Entrepreneurship
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section on page 8.

Learners gain an understanding of business management concepts and the history of management. The learner explores the changing environment of business and its effect on business and managerial processes. Students will also partner with a local business or nonprofit organization to lead a project management initiative. College Principles of Management will be transcribed as BUS 2220 (3 credits) at ATCC.



COMMUNICATIONS & JOURNALISM

Course Number: 0174
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

COMPUTER HARDWARE, NETWORKING, AND SYSTEMS

Course Number: 0833
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10
Prerequisite: None

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

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. Key skill components developed will include organization, content, word choice, and style.

CULINARY ARTS I

Course Number: 1128
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

CULINARY ARTS II

Course Number: 1129
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Culinary Arts I (with a C or higher)
Course Fee: $20

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

CULINARY ARTS III (CARDINAL CAFÉ)



Course Number: 1130-1131
Length/Credit: 1.0 credit – 1 semester
Grade Level: 11,12
Prerequisite: Culinary Arts II and Instructor signature

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

DIGITAL ART



Course Number: 0727
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

ENTREPRENEURSHIP/MANAGEMENT

Course Number: 0804
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

EXPLORING ACTING/PERFORMING ARTS



Course Number: 0731
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: Theatre Unveiled, Intro to Theatre Arts; or Instructor Signature

If you are interested in learning how to speak or perform on a stage (of any kind) or in front of an audience (of any size), this course is for you. This course will focus on developing acting and performance skills through elements of theatre history, acting exercises, character building, musical theatre, and more.

GAME DESIGN I

Course Number: 0820
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

GRAPHIC DESIGN & ILLUSTRATION



Course Number: 0728
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: Digital Art

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

INTERIOR DESIGN



Course Number: 1110
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None
Course Fee: $30 (Supplies: stencils, architectural ruler, graph paper)

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

M1 - ADVERTISING & SALES

Course Number: 0802
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

M2 - DIGITAL MARKETING & COMMUNITY PROMOTIONS

Course Number: 0819
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

MEDIA PRODUCTIONS

Course Number: 0709
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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



PHOTOGRAPHY

Course Number: 0704
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

POTTERY & SCULPTURE

Course Number: 0722
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None
Course Fee: $20

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

PROGRAMMING IN PYTHON

Course Number: 0830
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

THEATRE UNVEILED: INTRODUCTION & APPLICATION

Course Number: 0730
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

This introductory theatre class will cover the foundations, evolution and applications of theatre concepts on and off the stage. This course will allow students to develop foundational skills that can apply to a variety of occupations including acting, marketing, public speaking, teaching, and more! This class is also a prerequisite for all other theatre courses.

VIDEO PRODUCTION

Course Number: 0708
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

WEB PAGE DESIGN

Course Number: 0806
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

YEARBOOK

Course Number: 0710
Length/Credit: .5 credit – 1 semester. Semester 2 by application only
Grade Level: 10,11,12
Prerequisite: Application available in the College & Career Center

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



EMTNR ACADEMY

Engineering, Manufacturing Technologies & Natural Resources

EMTNR Career Pathways:

Agriculture, Food and Natural Resources

Architecture and Construction

Manufacturing

Science, Technology, Engineering, and Mathematics

INFOGRAPHIC KEY

College Credit Opportunity

Counts Toward Arts Credit

Watch for these symbols in the course descriptions.

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

EMTNR ACADEMY ADVISORY BOARD

Shannon Patience, AAHS Academy Coach
Harrison Aakre, High School Science Teacher
Bryan Anderson, LGC Biosearch Technologies
Rachel Buse, Tradesmen Construction
Mitch Denny, High School English
Chad Duwenhoegger, High School Principal
Megan O'Neill, Innovative Builders
Melissa Firme, School Counselor
Ryan Hjelle, Ellingson Plumbing, Heating, AC & Electrical
Ron Johnson, Juettner Motors
Todd Kemper, Standard Iron
Jason Lattimer, Douglas Machine
Courtney Murphy, Alexandria Area Economic Development Commission Representative
Todd Peterson, 3M Abrasives
Jeff Pokorney, High School Agriculture Teacher
Jeff Reed, Glenwood Area Fisheries-MN DNR
Jeremy Smith, Aagard
Mike Swartz, High School Industrial Technology
Dustin Tomoson, Ringdahl Architects
Tom Welle, Alexandria Industries
Matt Zimmerman, High School Industrial Technology Teacher

Grade	Agriculture, Food & Natural Resources	Architecture & Construction	Manufacturing	Science, Technology, Engineering & Math
12	• CAPS (EMTNR) • Car Care: Advanced Auto Mechanics • Heavy Equipment Operations & Management	• CAPS (EMTNR) • Car Care: Advanced Auto Mechanics • Heavy Equipment Operations & Management	• CAPS (EMTNR) • Car Care: Advanced Auto Mechanics • Heavy Equipment Operations & Management	• CAPS (EMTNR) • Car Care: Advanced Auto Mechanics • Heavy Equipment Operations & Management
11,12	• Advanced Floral Design • Advanced Small Engines • Cardinal Fab • College Principles of Management • Horticulture • MN Rocks & Waters • Wildlife Studies	• Advanced Metal Fabrication • Advanced Small Engines • Cardinal Fab • College Principles of Management • College Tool Safety & First Aid • MN Rocks & Waters	• Advanced Metal Fabrication • Advanced Small Engines • Cardinal Fab • College Principles of Management • College Tool Safety & First Aid	• Advanced Metal Fabrication • Advanced Small Engines • Cardinal Fab • College Principles of Management • College Tool Safety & First Aid • MN Rocks & Water
10, 11,12	• AP Environmental Science • Astronomy & Meteorology • Get Your Green Thumb • MN Habitat & Wildlife Management • Precision Ag • Small Engines	• AP Environmental Science • Architecture: Drafting & Design • Building Trades • CNC Manufacturing • Metal Fabrication • MN Habitat & Wildlife Management • Small Engines	• Building Trades • CNC Manufacturing • Engineering Principles • Mechatronics • Metal Fabrication • Small Engines	• AP Environmental Science • Architecture: Drafting & Design • Astronomy & Meteorology • Aviation • Building Trades • CNC Manufacturing • Engineering and Design • Engineering Principles • Mechatronics • Metal Fabrication • MN Habitat & Wildlife Management • Small Engines
9,10, 11,12	• Agriculture, Food, and Natural Resources • Companion Animal Science • Engineering, Manufacturing & Architecture • Floral Design • Forestry • Landscape Design	• Advanced Woods • Agriculture, Food, and Natural Resources • Engineering and Design • Engineering, Manufacturing & Architecture • Landscape Design • Woods	• Advanced Woods • Engineering and Design • Engineering, Manufacturing & Architecture • Introduction to Robotics • Woods	• Advanced Woods • Agriculture, Food, and Natural Resources • Engineering, Manufacturing & Architecture • Introduction to Robotics • Woods

AP ENVIRONMENTAL SCIENCE

Course Number: 0469-0470
Length/Credit: 1.0 credit – Full year
Grade Level: 10,11,12
Prerequisite: Successful completion of Physical Science 9/Integrated Science

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

ADVANCED FLORAL DESIGN

Course Number: 1037
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Floral Design

This course will cover many of the more advanced techniques and hands-on activities you will need to know in order to become a Florist. Complex arrangement techniques will be learned and demonstrated using both artificial and fresh flowers. A large portion of this course will be spent learning about various occasions and designing a portfolio for a wedding, where students will be able to be creative and demonstrate their knowledge of the industry. Students will also have the opportunity to create fresh floral arrangements as a public product. Students must have passed Floral Design in order to enroll in this course.

ADVANCED METAL FABRICATION

Course Number: 0936
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Metal Fabrication

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

ADVANCED SMALL ENGINES

Course Number: 0934
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Small Engines

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

ADVANCED WOODS

Course Number: 0904
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: Woods

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

AGRICULTURE, FOOD, & NATURAL RESOURCES

Course Number: 1014
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10
Prerequisite: None

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

ARCHITECTURE: DRAFTING & DESIGN

Course Number: 0907
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

ASTRONOMY & METEOROLOGY

Course Number: 0429
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

AVIATION

Course Number: 0944
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None
Course Fee: $90-$165 to take a written exam at the end of the course.
This is optional and for students who want the certification.

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

BUILDING TRADES

Course Number: 0924
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Woods

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

CAPS (EMTNR)

Course Number: 1860-1861
Length/Credit: 1.0 credit – 1 semester
Grade Level: 12
Prerequisite: Application (available in the College & Career Center)

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

CAR CARE: ADVANCED AUTO MECHANICS

Course Number: 0947
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Advanced Small Engines; Application (available in the College and Career Center)

This class is a hands-on elective designed for students pursuing an automotive or transportation career pathway. This semester-long course builds upon foundational skills gained in Small Engines and Advanced Small Engines, giving students real world shop experience in vehicle repair, diagnostics, and maintenance through direct involvement with the Car Care Program and its Spark Plug volunteer program.

CARDINAL FAB

Course Number: 0937-0938
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Application (available in the College and Career Center)

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

CNC MANUFACTURING

Course Number: 0942
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Engineering and Design

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

COLLEGE TOOL SAFETY AND FIRST AID

Course Number: 0946
Length/Credit: .75 credit – 1 semester
Grade Level: 11,12
Prerequisite: Woods; Application (available in the College and Career Center)
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section on page 8.

In this advanced course, students will learn how to select and properly use and identify tools used to perform cabinetry/furniture type work along with carpentry construction tools. Students will also perform maintenance on hand tools, portable power tools, and woodworking machines safely and efficiently in the context of cabinetry and construction settings and projects. They will learn maintenance skills and how to fix equipment in a machine shop setting. Students will learn and study safe work habits, basic first aid, CPR, respirator and forklift operation. Students over the age of 18 will have the opportunity to become forklift certified. All students will become first aid and CPR certified. This course will be transcribed as CARP 1631 (3 credits through ATCC).

COMPANION ANIMAL SCIENCE

Course Number: 1022
Length/Credit: . 5 credit – 1 semester
Grade Level: 9, 10,11,12
Prerequisite: None

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

ENGINEERING AND DESIGN

Course Number: 0941
Length/Credit: .5 credit – 1 semester
Grade Level: 9 10,11,12
Prerequisite: Engineering, Manufacturing & Architecture

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

ENGINEERING, MANUFACTURING & ARCHITECTURE

Course Number: 0901
Length/Credit: .5 Credit – 1 semester
Grade Level: 9,10
Prerequisite: None

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

ENGINEERING PRINCIPLES

Course Number: 0943
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Engineering and Design

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

FLORAL DESIGN



Course Number: 1029
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

FORESTRY

Course Number: 1021
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

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.

HEAVY EQUIPMENT OPERATIONS & MANAGEMENT

Course Number: 0945
Length/Credit: .5 credit – 1 semester
Grade Level: 12
Prerequisite: Instructor signature/permission

This course is for high school students interested in learning the fundamentals of operating and maintaining heavy machinery used in construction, agriculture, and industrial environments. Through a combination of hands-on practice and classroom instruction, students will gain knowledge in the safe operation of various types of heavy equipment, including excavators, skidsteers, dozers, etc. Students will also explore essential maintenance procedures, troubleshooting techniques, and preventive care to ensure machinery operates efficiently and safely. By the end of the course, students will have developed practical skills and foundational knowledge that can be applied in careers in construction, industrial operations, and equipment management.

HORTICULTURE

Course Number: 1018
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

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

INTRODUCTION TO ROBOTICS

Course Number: 0911
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
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.

MECHATRONICS

Course Number: 0948
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Introduction to Robotics

This advanced level course combines mechanical principles with robotics, hydraulics/pneumatics, programming and electronics. Basic electronic principles are covered utilizing the Festo Mechlab computer-based electronics program and building platform. This course includes programming, PLC, logic; incorporating and maintaining equipment.

METAL FABRICATION

Course Number: 0905
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.

MN HABITAT & WILDLIFE MANAGEMENT

Course Number: 1015
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

MN ROCKS & WATERS

Course Number: 0426
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

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

PRECISION AG

Course Number: 1024
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

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

SMALL ENGINES

Course Number: 0929
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

WILDLIFE STUDIES

Course Number: 1011
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: MN Habitat & Wildlife Management

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

WOODS

Course Number: 0922
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

HSHS ACADEMY



Health Sciences & Human Services

HSHS Career Pathways:

Education and Training

Government and Public Administration

Health Sciences

Human Services

Law, Public Safety, Corrections, & Security

INFOGRAPHIC KEY



College Credit Opportunity

Counts Toward Arts Credit



CLEP®

Watch for these symbols in the course descriptions.

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

HSHS ACADEMY ADVISORY BOARD

Shannon Patience, AAHS Academy Coach
Julie Anderson, Douglas County Sheriff's Office
Whitney Barthel, Anderson Funeral Home
Chad Duwenhoegger, High School Principal
Shelby Dvergsten, High School English Teacher
Michelle Flaten, High School Social Studies Teacher
Justin Girard, Alexandria Police Department
Chelsey Justice, Lakeshore Psychology
Sarah Moore, Legial Services of NW MN
Courtney Murphy, Alexandria Area Economic Development Commission Representative
Eddie Reif, Alomere Health
Marty Schultz, City of Alexandria
Meg Simon, High School Science Teacher
Ann Stehn, Horizon Public Health
Brittney Thoreson, Knute Nelson
Jill Urke, Alomere Health
Carrie Urness, School Counselor

Grade	Health Sciences	Education and Training	Government and Public Administration	Human Services	Law, Public Safety, Corrections and Security
12	• CAPS (Healthcare) • Emergency Medical Responder • Organic Chemistry	• CAPS (Teacher Education/ College Introduction to Education & Lab)	• CAPS (Human Services)	• CAPS (Human Services)	• CAPS (Human Services) • Emergency Medical Responder
11,12	• College General Psychology • College Principles of Management • Human Anatomy I • Human Anatomy II • Introduction to Psychology • Nrs Assist/Hm Hlth Aide • Prevention & Care of Injuries	• College General Psychology • College Principles of Management • Introduction to Psychology • Prevention & Care of Injuries	• College General Psychology • College Principles of Management • Introduction to Psychology • Law & Civil Liberties	• College General Psychology • College Principles of Management • Introduction to Psychology • Law & Civil Liberties	• College General Psychology • College Principles of Management • Human Anatomy I • Human Anatomy II • Introduction to Psychology • Law & Civil Liberties • Prevention & Care of Injuries
10,11, 12	• Forensic Science • Human Development II • Social Issues in Human Services	• Basics of Coaching and Officiating • Human Development II • Social Issues in Human Services	• Citizens Academy II • Human Development II • Social Issues in Human Services	• Citizens Academy II • Human Development II • Social Issues in Human Services	• Citizens Academy II • Forensic Science • Human Development II • Social Issues in Human Services
9,10, 11,12	• Health Careers • Human Development I • Human Service Careers	• Human Development I • Human Service Careers	• Citizens Academy • Human Development I • Human Service Careers	• Citizens Academy • Human Development I • Human Service Careers	• Citizens Academy • Human Development I • Human Service Careers



BASICS OF COACHING AND OFFICIATING

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

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

CAPS (HEALTHCARE)

Course Number: 1852-1853
Length/Credit: 1.0 credit – 1 semester
Grade Level: 12
Prerequisite: Health Careers and Human Anatomy I and preferably Human Anatomy II; Application (available in the College & Career Center). Students need a Social Security number and driver's license or State ID in order to complete a background check at the start of class.

This course will offer students a project-based study in the area of health sciences. With the use of patient care mannequins, students will learn how to assess vital signs and treat other minor ailments. CPR and First Aid training will be provided and students will become certified in these areas following the successful completion of the training. With the help of the medical staff from the community, simulation lessons will occur on topics such as suturing, casting and splinting, labor and delivery, operating room, and emergency medicine. Students will participate in several field experiences and a job shadow experience to explore various career opportunities within the healthcare field. This semester-long course meets for two consecutive blocks. Due to the impact projects that will take place off campus, students will be required to provide their own transportation to and from the site. A Mantoux test is required at the start of the class and will be offered to students at school.



CAPS (HUMAN SERVICES)

Course Number: 1854-1855
Length/Credit: 1.25 credit – 1 semester
Grade Level: 12
Prerequisite: Human Service Careers and preferably Social Issues in Human Services; Application (available in the College & Career Center)

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

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

Course Number: 1849-1850
Length/Credit: 1.25 credit – 1 semester
Grade Level: 12
Prerequisite: Social Issues in Human Services or Human Service Careers and Human Development I.
Prerequisite for College Credit: Application (available in the College & Career Center)
See eligibility qualifiers in concurrent enrollment section page 8.

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

CITIZENS ACADEMY

Course Number: 0214
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

The elective course will provide an introduction to the criminal justice system. Students will learn about criminal law, crimes against the person, the juvenile justice system, courtroom scenarios, eyewitness testimony, mock trial and civic engagement opportunities. They will also learn about the importance of personal safety & crime prevention. Guest speakers and field experiences will correlate with various topics being studied.

CITIZENS ACADEMY II

Course Number: 0224
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Citizens Academy

The course will provide an overview of the criminal justice system and the focus on the major steps involved in a trial including investigations, proceedings before trials, the trial itself and sentencing and corrections. Field experiences and guest speakers will correlate with various units throughout the semester. Students will further develop their mock trial skills through mini-mock trials and a culminating mock trial at the end of the semester.

COLLEGE GENERAL PSYCHOLOGY

Course Number: 0205
Length/Credit: . 75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: Introduction to Psychology is recommended. See eligibility qualifiers in concurrent enrollment section page 8.

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

EMERGENCY MEDICAL RESPONDER

Course Number: 0407
Length/Credit: .5 credit – 1 semester
Grade Level: 12
Prerequisite: Human Anatomy I

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

FORENSIC SCIENCE

Course Number: 0413
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Citizens Academy

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

HEALTH CAREERS

Course Number: 1326
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10
Prerequisite: None

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

HUMAN ANATOMY I

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

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

HUMAN ANATOMY II

Course Number: 0416
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Human Anatomy I

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



HUMAN DEVELOPMENT I

Course Number: 0217
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

HUMAN DEVELOPMENT II

Course Number: 0218
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Human Development I recommended

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

HUMAN SERVICE CAREERS

Course Number: 0220
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

This course is designed to develop an understanding of human need and why we have jobs in the human services field. The course includes a broad overview of the terminology, careers, and required skills needed in the field of human services. Students will have the opportunity to explore careers in the field such as education, counseling and mental health, family and community services, government and public administration, legal services, law enforcement and corrections. This course will offer students an opportunity to learn from the professionals in the field through guest speakers, class discussions, hands-on applications, research and presentations as well as service learning field trips (when available).

INTRODUCTION TO PSYCHOLOGY

Course Number: 0206
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

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

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. Offered every other year 2026-27, 2028-29, etc.

NURSES ASSISTANT & HOME HEALTH AIDE (CNA)



Course Number: 1328
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: Age 16 by the time of Certification Test (January & June); limited to 20 students per semester. Students need a Social Security number and Driver's License or State ID in order to complete the background check prior to clinical training.

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

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

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

ORGANIC CHEMISTRY

Course Number: 0412
Length/Credit: .5 credit – 1 semester
Grade Level: 12
Prerequisite: AP Chemistry; Chemistry with instructor signature

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

PREVENTION & CARE OF INJURIES

Course Number: 1314
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Successful completion of Health (1501) and Physical Education (1308)

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

SOCIAL ISSUES IN HUMAN SERVICES

Course Number: 0221
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Human Service Careers

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



CORE CURRICULUM

ENGLISH/LANGUAGE ARTS

MATHEMATICS

SCIENCE

SOCIAL STUDIES

INFOGRAPHIC KEY

College Credit Opportunity

Counts Toward Arts Credit

CLEP

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ENGLISH/ LANGUAGE ARTS

EDUCATION REQUIREMENT:

4 credits in Language Arts are required for graduation.

COLLEGE AMERICAN STUDIES

Course Number: 0175, 0189, 0286, 0288
Length/Credit: 3.0 High School Credits / 12 College Credits – Full Year
Grade Level: 11
Prerequisite: "B+" or higher grade average in English 10 is highly recommended to be successful in this class.
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

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

This course will be transcribed as:
- HIST 1401 US History to 1877 (3 credits) at ATCC
- HIST 1402 US History, 1877 to present (3 credits) at ATCC
- ENGL 1410 College Composition I (3 credits) at ATCC
- ENGL 2405 Modern American Literature (3 credits) at ATCC

COLLEGE COMPOSITION I

Course Number: 0186
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

This class can meet part of the credit requirement for English 11 or 12. This course deals with the fundamentals of expository writing based on reading or personal experience. It stresses organization, the process of writing, English grammar, mechanics, and style. Emphasis is on the strategies of exposition as well as effective description and narration. This course will be transcribed as ENGL 1410 College Composition I (3 credits) at ATCC.

COLLEGE COMPOSITION I (ONLINE)

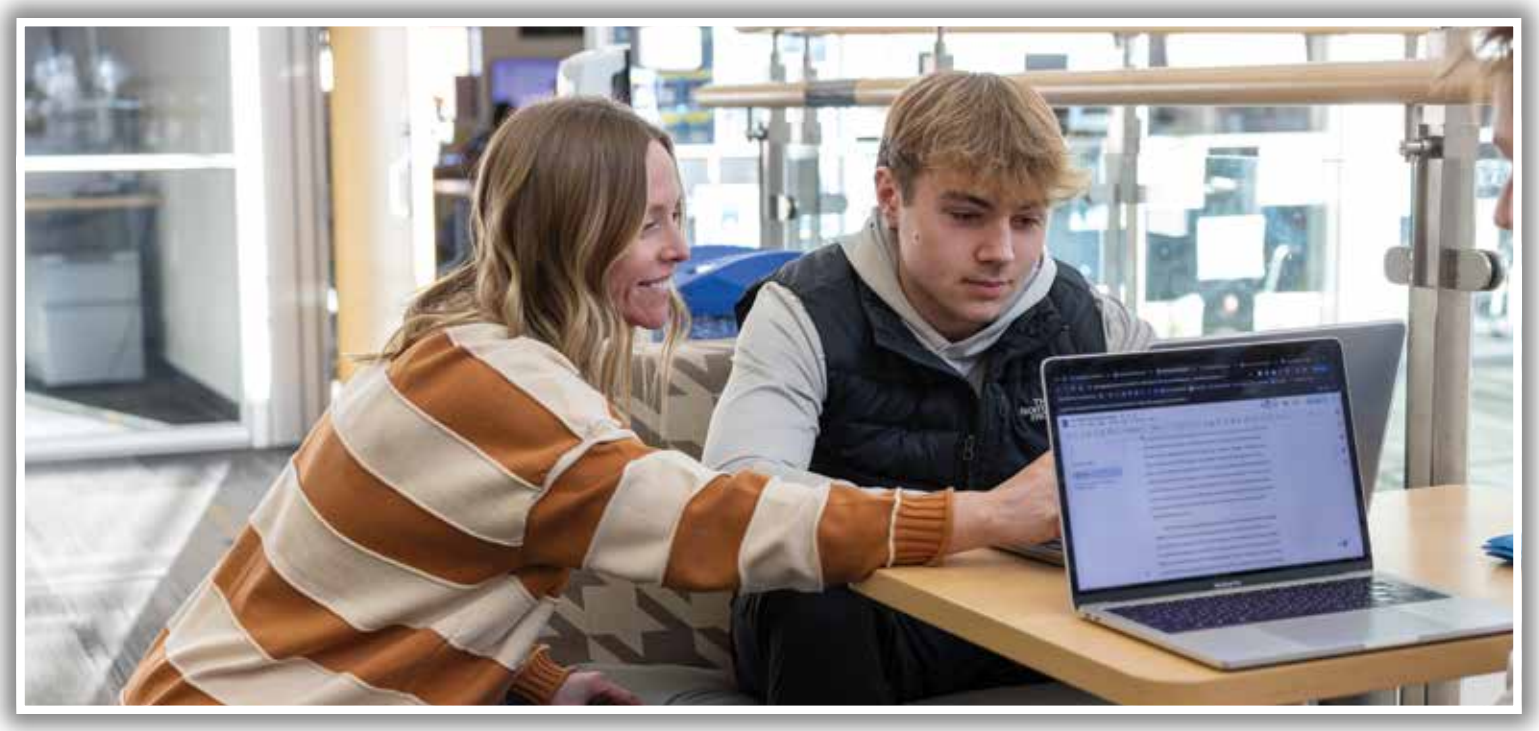
Course Number: 0148
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: Instructor signature from current English teacher. See eligibility qualifiers in concurrent enrollment section page 8.

This class can meet part of the credit requirement for English 11 or 12. This course deals with the fundamentals of expository writing based on reading or personal experience. It stresses organization, the process of writing, English grammar, mechanics, and style. Emphasis is on the strategies of exposition as well as effective description and narration. This course will be transcribed as ENGL 1410 College Composition I (3 credits) at ATCC.

COLLEGE COMPOSITION II

Course Number: 0188
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: Grade of C or better in Composition I

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



COLLEGE COMPOSITION II (ONLINE)

Course Number: 0149
Length/Credit: .75 High School Credit / 3 College Credits - 1 semester
Grades: 11, 12
Prerequisite: Instructor signature from current English teacher. Grade of C or better in College Composition I.

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

COLLEGE PUBLIC SPEAKING

Course Number: 0170
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: College Composition I recommended.
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

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

ENGLISH 9-1 and 9-2

Course Number: 0117-0118
Length/Credit: 1.0 credit – Full Year
Grade Level: 9
Prerequisite: None

English 9 covers reading, writing, and communication. It also exposes students to a variety of literature selections and genres, including novels, essays, narratives, short stories, poetry, and a Shakespearean play. Independent reading time is provided to strengthen students' individual reading skills. Writing focuses cover numerous multi-paragraph compositions, a research paper, and a speech. Grammar and mechanics of writing are reviewed and taught in conjunction with writing assignments throughout the year.

ENGLISH 10-1 and 10-2

Course Number: 0101-0102
Length/Credit: 1.0 credit – Full Year
Grade Level: 10
Prerequisite: English 9

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

ENGLISH 11-1 AND 11-2

Course Number: 0105-0106
Length/Credit: 1.0 credit – Full Year
Grade Level: 11
Prerequisite: English 10

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

ENGLISH 11-1 AND 11-2 (ONLINE)

Course Number: 0119-0120
Length/Credit: 1.0 credit – Full Year
Grade Level: 11
Prerequisite: English 10, Instructor signature from current English teacher.

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

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

ENGLISH 12-1 and 12-2

Course Number: 0125-0126
Length/Credit: 1.0 credit – Full Year
Grade Level: 12
Prerequisite: English 11
In this year-long course, students will analyze and apply concepts of rhetoric, memoir, and documentary; study film techniques and write film analysis essays; read a variety of fiction and non-fiction texts, essays, and articles; create presentations; and develop their interpersonal skills.

ENGLISH 12-1 and 12-2 (ONLINE)

Course Number: 0121-0122
Length/Credit: 1.0 credit – Full Year
Grade Level: 12
Prerequisite: English 11, Instructor signature from current English teacher.
There are mandatory attendance days throughout the semester. In addition, there are a few mandatory attendance days throughout the semester. Daily attendance may be required for students whose grade falls below a C. The AAHS attendance policy will apply to required attendance days for online classes.

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

HEALTH

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

ADDITIONAL GRADUATION REQUIREMENTS

The health education program is designed to empower students with life skills to improve or maintain a higher level of social, mental/emotional, and physical wellness. Students in this course will discover information and learn the skills required to make effective health decisions in key aspects of their lives. Students will learn through small group projects, small and large group discussions, teacher presentations, and individual reading and research.

PHYSICAL EDUCATION

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

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

MATHEMATICS

EDUCATION REQUIREMENT:

3 credits of mathematics are required for graduation.

ADVANCED ALGEBRA

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

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

GEOMETRY

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

Students will study the following geometric concepts: plane geometry; reasoning and proof; perpendicular and parallel lines; congruent triangles; quadrilaterals; similarity; right triangles and trigonometry; circles; transformations; area of polygons; and surface area and volume.

HONORS ADVANCED ALGEBRA

COLLEGE CREDIT

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

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

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

HONORS GEOMETRY

Course Number: 0345-0346
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10
Prerequisite: Intermediate Algebra or Honors Intermediate Algebra

Students will study the following geometric concepts: plane geometry; reasoning and proof; perpendicular and parallel lines; congruent triangles; quadrilaterals; similarity; right triangles and trigonometry; circles; transformations; area of polygons; and surface area and volume. Honors Geometry will be more rigorous than Geometry as it will cover more material with greater depth.

INTERMEDIATE ALGEBRA

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

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



SCIENCE

EDUCATION REQUIREMENT:

3 credits of Science are required for graduation.

ADVANCED PLACEMENT BIOLOGY

Course Number: 0450-0451
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11,12
Prerequisite: Instructor signature from current Science teacher

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

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

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

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

ADVANCED PLACEMENT CHEMISTRY / COLLEGE GENERAL CHEMISTRY I & II

Course Number: 0458-0459
Length/Credit: 2.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Instructor signature from current Science teacher. See eligibility qualifiers in concurrent enrollment section page 8.

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

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

BIOLOGY

Course Number: 0421-0424
Length/Credit: 1.0 credit – Full Year
Grade Level: 10
Prerequisite: None

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

CHEMISTRY

Course Number: 0434-0435
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Successful completion of Integrated Science; Successful completion of Intermediate Algebra recommended

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

COLLEGE GENERAL CHEMISTRY I

Course Number: 0462-0463
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Successful completion of Integrated Science, Honors or Advanced Algebra
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

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

COLLEGE PHYSICS & LAB

Course Number: 0446-0447, 0448-0449
Length/Credit: 1.0 High School Credit / 4 College Credits – Full Year
Grade Level: 11,12
Prerequisite: Successful completion of Integrated Science & Intermediate Algebra and Advanced Algebra
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

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

HONORS INTEGRATED SCIENCE

Course Number: 0471-0472
Length/Credit: 1.0 Credit – Full Year
Grade: 9
Prerequisite: Recommendation from current Science teacher (previous math and science scores will be considered). *If interest exceeds class size limit, criteria will be used to build a class list.

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

INTEGRATED SCIENCE

Course Number: 0467-0468
Length/Credit: 1.0 credit – Full Year
Grade: 9
Prerequisite: None

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

PHYSICS

Course Number: 0432-0433
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Successful completion of Physical Science/Integrated Science and Intermediate Algebra recommended

Students will shoot water balloons, drop eggs, 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/Integrated Science and Intermediate Algebra recommended

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

SOCIAL STUDIES

EDUCATION REQUIREMENT:

3.5 credits of social studies are required for graduation.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

Course Number: 0222-0223
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: Instructor signature from current social studies teacher

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

ADVANCED PLACEMENT UNITED STATES HISTORY

Course Number: 0250-0251
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Instructor signature from current social studies teacher

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

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

ADVANCED PLACEMENT WORLD HISTORY: MODERN

Course Number: 0226-0227
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11,12
Prerequisite: Instructor signature from current social studies teacher

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

COLLEGE AMERICAN GOVERNMENT

Course Number: 0216
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 12
Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

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

COLLEGE AMERICAN STUDIES

Course Number: 0175, 0189, 0286, 0288
Length/Credit: 3.0 High School Credits / 12 College Credits – Full Year
Grade Level: 11
Prerequisite: "B+" or higher grade average in English 10 is highly recommended to be successful in this class.
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This College American Studies course will meet A and B days. Teachers from English and Social Studies departments will team-teach the course, which will fulfill all the requirements of English 11 and Early/Recent U.S. History. This course will take a deeper look at American literature, expository composition skills, and U.S. History from the time of early colonization to present. The course will stress organization, the process of writing, English grammar, mechanics, and style. Above average reading and writing skills are essential for successful completion. The rigor of this course will be college level for all students enrolled, whether taking it for high school credit only or college credit.
This course will be transcribed as:
- HIST 1401 US History to 1877 (3 credits) at ATCC
- HIST 1402 US History, 1877 to present (3 credits) at ATCC
- ENGL 1410 College Composition I (3 credits) at ATCC
- ENGL 2405 Modern American Literature (3 credits) at ATCC

COLLEGE MACROECONOMICS

Course Number: 0215
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 12
Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

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

COLLEGE UNITED STATES HISTORY TO 1877 (ONLINE)

Course Number: 0238
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

There are two mandatory attendance days and multiple online small group discussions students are required to participate in during the semester. The AAHS attendance policy will apply to required attendance days for online classes.

This course will acquaint students with the basic chronological narrative and themes of America's past from native North America through the Civil War. Social, political, economic and cultural developments will be covered. A multi-cultural perspective will be incorporated into the course; taking into account those Americans denied access to positions of political and economic power in the past. Analytical skills focusing on reading, writing and use of primary documents will be emphasized. This course will be transcribed as HIST 1401 US History to 1877 (3 credits) at ATCC.

COLLEGE UNITED STATES HISTORY, 1877 TO PRESENT (ONLINE)

Course Number: 0239
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11, 12
Prerequisite: See eligibility qualifiers in concurrent enrollment section page 8.

There are two mandatory attendance days and multiple online small group discussions students are required to participate in during the semester. The AAHS attendance policy will apply to required attendance days for online classes.

This course will survey the history of the American people since Reconstruction. Social, political, economic and cultural developments will be covered. A multi-cultural perspective will be incorporated into the course; taking into account those Americans denied access to positions of political and economic power in the past. Analytical skills focusing on reading, writing and the use of primary documents will be emphasized. This course will be transcribed as HIST 1402 US History, 1877 to present (3 credits) at ATCC.

EARLY UNITED STATES HISTORY

Course Number: 0203
Length/Credit: .5 credit – 1 semester
Grade Level: 11
Prerequisite: None
This course will provide students an opportunity to explore the basic underlying philosophies that have gone into the making of the modern United States from Pre-Columbian North American through 1877. The standards will be covered through a chronological or thematic approach.

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.

GOVERNMENT

Course Number: 0253
Length/Credit: .5 credit – 1 semester
Grade Level: 12
Prerequisite: None

The purpose of this course is to familiarize students with the intricate workings of the American governmental system. Students will analyze the government of the US and compare it with world governments. Students will gain a practical understanding of the purposes of government, its institutions, and their role in a democratic society.

RECENT UNITED STATES HISTORY

Course Number: 0202
Length/Credit: .5 credit – 1 semester
Grade Level: 11
Prerequisite: None

This course will provide students an opportunity to explore the basic underlying philosophies that have gone into the making of the modern United States from Imperialism through current events. The standards will be covered through a chronological or thematic approach.

SOCIAL STUDIES 9

Course Number: 0200
Length/Credit: .5 credit – 1 semester
Grade Level: 9
Prerequisite: None

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

WORLD HISTORY I

Course Number: 0211
Length/Credit: .5 credit – 1 semester
Grade Level: 10
Prerequisite: None

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

WORLD HISTORY II

Course Number: 0212
Length/Credit: .5 credit – 1 semester
Grade Level: 10
Prerequisite: None

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



GLOBAL ELECTIVES

ENGLISH/LANGUAGE ARTS

HEALTH & PHYSICAL EDUCATION

LIFE SKILLS & CAREER READINESS

MATHEMATICS

MUSIC ARTS

WORLD LANGUAGES

INFOGRAPHIC KEY



College Credit Opportunity



Counts Toward Arts Credit



CLEP®

Watch for these symbols in the course descriptions.

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

ENGLISH/LANGUAGE ARTS

PHILOSOPHY

Course Number: 0190
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

Fear, fate, free will, love, knowledge, self, and much more are some of the philosophical tenets that will be discussed in Socratic seminars, presentations and other student-centered formats. Students will study and research novels, films, articles and other works to gain knowledge and deepen their understanding of philosophy and themselves. This course is a student-centric class that relies heavily on participation, sharing thoughts, facts and opinions in a constructive and respectful manner.

HEALTH & PHYSICAL EDUCATION

ADVANCED BODY FITNESS

Course Number: 1305
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Body Fitness

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

ADVANCED TEAM SPORTS

Course Number: 1303
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Team Sports

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

BODY FITNESS

Course Number: 1304
Length/Credit: .5 credit – 1 semester
Grade Level: 9,10,11,12
Prerequisite: None

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

LIFETIME RECREATIONAL SPORTS / ACTIVITIES

Course Number: 1324
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Successful completion of Physical Education
Course Fee: $50

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

TEAM SPORTS

Course Number: 1302
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Successful completion of Physical Education

This course will introduce students to the importance of physical activity as a component to a healthy lifestyle. This class will place emphasis on several different types of team sports. Students will be presented with the rules and regulations of each sport and practice the skills necessary to be successful. Each student will have the opportunity to lead a team by being a captain for one sport.

U FIT

Course Number: 1306
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Successful completion of Physical Education

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

UNIFIED PHYSICAL EDUCATION

Course Number: 1322
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: Application (available in the College & Career Center)

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



LIFE SKILLS & CAREER READINESS

CAREER INTERNSHIP

Course Number: 1818-1819
Length/Credit: 1.0 credit – 1 semester
Grade Level: 12
Prerequisite: Application available in the College & Career Center & Senior Portfolio

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

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

CULTUROSITY

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

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

EMPLOYMENT EXPERIENCE

Course Number:

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

Length/Credit: 1.0 credit for each hour enrolled – Full Year
Grade Level: 12
Prerequisite: Students must have earned 21.0 credits at the beginning of Semester 1 and 25.0 credits at the beginning of Semester 2 to be eligible for 1808-1809 Employment Experience
Co-requisite: Concurrent enrollment in the Employment Skills Seminar required

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

EMPLOYMENT SKILLS SEMINAR

Course Number: 1806-1807
Length/Credit: 1.0 credit – Full Year
Grade Level: 12
Prerequisite: Must have confirmed and approved employment, off campus privileges, and driver's license to maintain class status.
Co-requisite: Concurrent enrollment in Employment Experience

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

INTERNATIONAL FILM STUDIES

Course Number: 0669
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

MODERN AMERICAN POP CULTURE

Course Number: 0256
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

Modern American Pop Culture is a course that looks at the relationship between U.S. History and the cultural influences that shape it and are shaped by it. The course covers four units throughout the class; music, television, film, and sports culture. In all units there will also be analysis readings, other film clips, and discussion. All films chosen are PG-13 rating or lower. All television scenes are from network shows. Offered every other year 2027-28, 2029-30, etc.

PERSONAL FINANCE

Course Number: 0825
Length/Credit: .5 credit – 1 semester
Grade Level: 11,12
Prerequisite: None

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

STUDY BLOCK

Course Number: 2005 (S1), 2006 (S2)
NO CREDIT: 1 semester
Grade Level: 9,10,11,12
Prerequisite: Students should make sure that they have earned enough credits toward graduation to afford to have a non-credited study block before registering for a study block.

UNLESS IN-SCHOOL STUDY TIME IS A NECESSITY, STUDENTS ARE STRONGLY ADVISED TO EXPLORE AN ELECTIVE INSTEAD OF A STUDY BLOCK. Study Blocks are of benefit to students who are *self-motivated*, and are best utilized by students who are highly involved in extra-curricular activities, or who carry a demanding academic load, or a demanding work load outside of the school day, and thus, *need in-school time to study*.
**Students participating in co-curricular activities may be able to take 1-2 study blocks per year, but need to be cautious regarding which semester/s they are scheduled to maintain eligibility standards. Plan carefully with your counselor.

TEACHING ASSISTANT / STUDENT TUTOR

Course Number: 1822
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: Application (available in the College & Career Center)

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

TOP 20

Course Number: 1316
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

YOUTH SKILLS TRAINING (YST)

Course Number: (see counselor)
Length/Credit: .5 - 2.0 credits – 1 semester to Multiple semesters
Grade Level: 11,12
Prerequisite: Application (available in the College & Career Center)

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

MATHEMATICS

ADVANCED PLACEMENT CALCULUS/ COLLEGE CALCULUS I

Course Number: 0383-0384
Length/Credit: 1.0 credit – Full Year
Grade Level: 12
Prerequisite: AP Precalculus / Precalculus
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

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. 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. This course will be transcribed as MATH 1426 Calculus I (4 credit through ATCC).
CLEP Consider taking the Calculus CLEP test.

ADVANCED PLACEMENT PRECALCULUS

Course Number: 0380-0381
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Honors Advanced Algebra or grade of A or B in Advanced Algebra

This course covers the following topics: polynomial and rational functions; exponential and logarithmic functions; trigonometric and polar functions; and functions involving parameters, vectors and matrices. Students will work with these functions graphically, numerically, analytically and verbally. At the end of the course, students will be given the opportunity to take the AP Precalculus exam. A score of 3, 4 or 5 may grant college credit. This course will prepare students for success in AP Calculus and other college level math courses.

ADVANCED PLACEMENT STATISTICS/COLLEGE INTRODUCTION TO STATISTICS

Course Number: 0349-0350
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Honors Advanced Algebra or grade above B in Advanced Algebra
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8.

This course is equivalent to a one semester, introductory, non-calculus-based college course in statistics. An introductory course, similar to this, is typically required for college majors such as social sciences, health sciences and business. Science, engineering and mathematics majors usually take an upper-level calculus-based course in statistics, for which this AP Statistics course is effective preparation. Topics covered include: exploratory data analysis; planning a study; probability; and statistical inference. 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. The course will be transcribed as MATH 1447 Introduction to Statistics (4 credits) through ATCC.

COLLEGE ALGEBRA

Course Number: 0361
Length/Credit: .75 High School Credit / 3 College Credits – 1 semester
Grade Level: 11,12
Prerequisite: Advanced Algebra or Honors Advanced Algebra

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

This course includes a study of the fundamental concepts of Algebra. Topics include: equations and inequalities; polynomial, rational, exponential, and logarithmic functions and their graphs; and systems of linear equations. The required preparation is three years of high school mathematics, including at least Advanced Algebra. This course will be transcribed as MATH 110 College Algebra (3 credits) through SMSU.

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

PROBABILITY & STATISTICS

Course Number: 0390-0391
Length/Credit: 1.0 credit – Full Year
Grade Level: 11,12
Prerequisite: Advanced Algebra (may take concurrently)

Similar to AP Statistics, this course will cover exploratory data analysis, planning a study, probability, and statistical inference at an introductory level. Projects will involve gathering, analyzing, and making inferences based on real-life data from the career pathways of all academies. 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 - 2026-27, 2028-29, etc.

SOUND PRODUCTION AND TECHNOLOGY

Course Number: 1239
Length/Credit: .5 credit – 1 semester
Grade Level: 10,11,12
Prerequisite: None

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

Band

SYMPHONIC BAND

Course Number: 1221-1222
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11,12
Prerequisite: Audition with Band Director

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 fee for students that use a school owned instrument.

VIKING BAND

Course Number: 1205-1206
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: Participation in 8th grade band or audition with Band Director

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 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: Band Director approval

Wind Ensemble is a performing group with an established instrumentation (at the discretion of the director). This group is reserved for students in grades 10-12 who demonstrate advanced musical ability and proficiency on their instrument. Students will explore a variety of quality band literature and will demonstrate their performance skills through concerts given throughout the year. Marching Band and Jazz Band are offered to students with the music department as optional opportunities. Lessons and Pep Band occur outside of the scheduled class time and both are required for this course. There is a fee for students that use a school owned instrument.

Choir

CARDINAL CHOIR

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

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

CONCERT CHOIR

Course Number: 1213-1214
Length/Credit: 1.0 Credit – Full Year
Grade Level: 10,11,12
Prerequisite: Choir Director approval

Concert Choir is a elective. Membership is open to students grades 10 -12 by audition and selection. Auditions are typically competitive and are based on vocal control and music literacy. Previous membership in a choral ensemble is recommended. Concert Choir meets every-other day for the entire school year, and performs no less than six concerts each year (including Central Lakes Conference festival participation). An attempt is made to acquaint the student with the best types of choral literature.

TENOR/BASS CHOIR

Course Number: 1249-1250
Length/Credit: 1.0 credit – Full Year
Grade Level: 9, 10,11,12
Prerequisite: Basic Placement Audition

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

TREBLE CHOIR

Course Number: 1251-1252
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: Basic Placement Audition

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

Orchestra

PHILHARMONIA ORCHESTRA

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

Orchestra is designed to expand one's appreciation of music through performance techniques. This course provides opportunities to further one's technique through lessons, solos, ensembles, string orchestra and full orchestra. Orchestra is open to all students who play an orchestral stringed instrument. There is a 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: 9,10,11,12
Prerequisite: Orchestra Director approval

Sinfonia is a performing group with an established instrumentation. Orchestra is designed to expand one's appreciation of music through performance techniques. This course provides opportunities to further one's technique through lessons, solos, ensembles, string orchestra, and full orchestra. This orchestra is open to all students who play a stringed instrument of a high collegiate ability.

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.

WORLD LANGUAGES *Continued.....*

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.

COLLEGE FRENCH III (FRENCH 102)

Course Number: 0655-0656
Length/Credit: 1.0 High School Credit / 4 College Credits – Full Year
Grade Level: 11,12
Prerequisite: French II
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8. **IF YOU DO NOT QUALIFY, REGISTER FOR FRENCH III (HIGH SCHOOL CREDIT ONLY 0651-0652)**

French I02 emphasizes the development of communication skills (listening, speaking, reading and writing) to help students function effectively in real-life contexts. It provides a systematic review of grammatical structures necessary for successfully communicating in French. It stresses spontaneous conversation through the use of current videos, journal articles and literature. This course will be transcribed as FREN 102 Beninning French II (4 credits) at SCSU.

COLLEGE FRENCH IV (FRENCH 201)

Course Number: 0657-0658
Length/Credit: 1.0 High School Credit / 4 College Credits – Full Year
Grade Level: 12
Prerequisite: French III or French 102
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8. **IF YOU DO NOT QUALIFY, REGISTER FOR FRENCH IV (HIGH SCHOOL CREDIT ONLY 0653-0654)**

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

SPANISH I

Course Number: 0640-0641
Length/Credit: 1.0 credit – Full Year
Grade Level: 9,10,11,12
Prerequisite: None

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

SPANISH II

Course Number: 0642-0643
Length/Credit: 1.0 credit – Full Year
Grade Level: 10,11,12
Prerequisite: Spanish I

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

SPANISH III

Course Number: 0659-0660
Length/Credit: 1.0 Credit – Full Year
Grade Level: 11,12
Prerequisite: Spanish II

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

SPANISH IV

Course Number: 0661-0662
Length/Credit: 1.0 Credit – Full Year
Grade Level: 12
Prerequisite: Spanish III

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

COLLEGE SPANISH III (SPANISH 201)

Course Number: 0680-0681
Length/Credit: 1.0 High School Credit / 4 College Credits – Full Year
Grade Level: 11,12
Prerequisite: Spanish II
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8. **IF YOU DO NOT QUALIFY, REGISTER FOR SPANISH III (High School Credit only 0659-0660)**

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

COLLEGE SPANISH IV (SPANISH 202)

Course Number: 0682-0683
Length/Credit: 1.0 High School Credit / 4 College Credits – Full Year
Grade Level: 12
Prerequisite: Spanish III or Spanish 201
Prerequisite for College Credit: See eligibility qualifiers in concurrent enrollment section page 8. **IF YOU DO NOT QUALIFY, REGISTER FOR SPANISH IV (HIGH SCHOOL CREDIT ONLY 0661-0662)**

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

GLOSSARY

AAHS: The abbreviation for Alexandria Area High School.

ACT: ACT assessment is a national college admissions test which includes multiple sections. For detailed info visit ACT.org. Most colleges will accept a student's ACT score as part of the admissions evaluation scholorship considerations. Eleventh grade students take this assessment which is administered in the high school.

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

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

CAPS: Center for Advanced Professional Studies.

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

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

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

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

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

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

FAFSA: The Free Application for Federal Student Aid. This form is required for any student who wants to be considered for need-based federal aid. Visit https://fafsa.gov for more information.

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

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

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

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

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

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

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

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

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

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

SAT: A standardized test developed by The College Board that measures verbal, mathematical reasoning and writing skills. Four-year colleges use a students' 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).

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

DIVISION II REQUIREMENTS:
College-bound student athletes will need to meet these academic rules to practice, compete and receive athletics scholarships during their first year.
http://www.ncaa.org/student-athletes/play-division-ii-sports

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

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

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

DIVISION I REQUIREMENTS:
College-bound student athletes will need to meet these academic rules to practice, compete and receive athletics scholarships during their first year.
http://www.ncaa.org/student-athletes/play-division-i-sports

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

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

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

For additional information on the NCAA Clearinghouse, go to
http://www.ncaa.org/student-athletes/future

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

NCAA Core Courses (Continued next page)

NCAA CORE COURSES:

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

Visit https://web3.ncaa.org/hsportal/exec/hsAction and choose List of NCAA courses and/or use the list below as a guide.

English

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

Mathematics

- ADVANCED ALGEBRA
- AP CALCULUS/INTRO TO CALCULUS
- AB COLLEGE CALCULUS I
- COLLEGE ALGEBRA
- GEOMETRY
- HONORS GEOMETRY
- HONORS ADVANCED ALGEBRA
- HONORS INTERMEDIATE ALGEBRA
- INTERMEDIATE ALGEBRA
- AP PRECALCULUS
- PROBABILITY & STATISTICS
- AP STATISTICS/COLLEGE INTRO TO STATISTICS

Additional Core Courses

- FRENCH I
- FRENCH II
- COLLEGE FRENCH III
- COLLEGE FRENCH IV
- PHILOSOPHY
- FRENCH 102
- FRENCH 201
- COLLEGE SPANISH III
- COLLEGE SPANISH IV
- SPANISH I
- SPANISH II
- SPANISH III
- SPANISH IV

Social Studies

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

Natural / Physical Science

- AP ENVIRONMENTAL SCIENCE
- ASTRONOMY & METEOROLOGY
- BIOLOGY
- AP BIOLOGY
- CHEMISTRY
- AP CHEMISTRY/COLLEGE GENERAL CHEMISTRY I & II
- COLLEGE GENERAL CHEMISTRY
- COLLEGE PHYSICS
- COLLEGE PHYSICS LAB
- FORENSIC SCIENCE
- INTEGRATED SCIENCE
- HONORS PHYSICAL SCIENCE 9
- HUMAN ANATOMY I
- HUMAN ANATOMY II
- HONORS INTEGRATED SCIENCE
- MN ROCKS & WATERS
- ORGANIC CHEMISTRY
- PHYSICAL SCIENCE 9
- PHYSICS

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