



2025 - 2026

**COURSE  
SELECTION  
HANDBOOK**

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## School Administrators

Johnston High School (10-12th grades)

515-278-0449

Ryan Woods, Principal

Kyla Burns, Associate Principal

Randy Klein, Associate Principal

Cole Van Vark, Assistant Principal

Johnston Middle School (9th grade)

515-278-0476

Luke Dillon, Principal

Tron England, Associate Principal

Ben Chadwick, Assistant Principal

## School Counselors

Johnston High School (10-12th grades)

515-278-0779

Emma Copeland (last names A - By)

Sarah Love (last names Ca - Ha)

Susan Baker (last names He - Max)

Lindsey Gannon (last names May-Sa)

Brett Whittle (last names Sc - Z)

Johnston Middle School (9th grade)

515-278-1544

Kayla Lunn (last names A-G)

Abbey Moomaw (last names H-N)

Carlie Fitzgerald (last names O-Z)

All information contained in this course selection handbook is subject to change. Due to various internal and external factors that may occur after printing this handbook, please consider the process of student registration a fluid one. Changes in personnel, federal and state requirements, and budgetary constraints are all factors that force the Counseling Department and/or Principal's office to make changes during the process. This may include altering, adding, or dropping course offerings that are listed in this handbook. We appreciate your patience and understanding.

Last Revised and Approved by JCSD School Board: 1/13/2025

# Welcome

The following pages represent a brief summary of the courses and activities offered to students grades 9-12.

The program is arranged to provide for the individual needs of all students through required courses, elective courses and school activities. Because each student differs in abilities, aptitudes, talents and interests, the school program is designed to permit individual expansion into those areas of learning and activity, which will permit optimum educational growth and personal development.

Members of the faculty and administration are ready to help you with both your educational and personal concerns whenever necessary. If you have any questions, please notify the High School Counseling Office at (515) 278-0779 or the High School Administrative Office at (515) 278-0449. If your student is in ninth grade please contact Johnston Middle School at (515) 278-0476.

## Non-Discrimination Statement

It is the policy of the Johnston Community School District not to illegally discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity, and socioeconomic status (for programs) in its educational programs and its employment practices.

There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy please contact Dr. Nate Zittergruen, Director of Human Resources, 6510 NW 62<sup>nd</sup> Ave, Johnston, Iowa 50131, (515) 278-0470, nate.zittergruen@johnston.k12.ia.us.

## Johnston Community District Mission and Vision

### Mission

We commit all district resources to guide the learning of all students to graduate as confident learners with character, knowledge, and the skills to excel in any endeavor they pursue.

### Vision

Creating a culture of excellence where students come first.

# GRADUATION REQUIREMENTS

Johnston High School is continually striving to enhance the educational quality of its program. This effort includes revising graduation requirements to meet the changing needs of students. The following are minimum graduation requirements for Johnston students. Most students will choose to go beyond the minimum requirements needed for graduation.

The traditional high school experience is four years. Students may either accelerate or slow down their studies to arrive at graduation. For purposes of classification, credits will be determined at the end of the previous school year. Students intending to accelerate their studies need to plan their high school course sequence accordingly. Students should schedule an appointment with their school counselor to arrange their schedules.

Students successfully completing recommended course loads should earn enough credit to graduate in four years. Fewer than the recommended number of classes may result in extra years required to graduate and/or loss of athletic eligibility.

## Required Courses for Graduation

Department/Course	Number of credits* required for graduation (equivalent to:)	Other notes
English	4.0 Credits (8 semesters)	
Financial Literacy	0.5 Credits (1 semester)	
Health	0.5 Credits (1 semester)	Includes state CPR requirement
Mathematics	3.0 Credits (6 semesters)	
PE	2.0 Credits (4 semesters)	Students must take .5 credits of P.E. each year unless they qualify for PE exemption. Refer to the section on PE exemption below.
Science	3.0 Credits (6 semesters)	
Social Studies	3.5 Credits (7 semesters)	One semester each of Principles of Economics and American Government  One year each of World Studies and U.S. History
Elective	8.5 Credits	Credits taken in core area beyond the required number will be counted as elective credit
<b>TOTAL Credits Required for Graduation</b>	<b>25 credits</b>	

\* The term "credit" is the same as the term "unit" in Board Policy 505.5

## EXPLANATION OF CREDITS

0.5 credit is earned per class each semester with the following exceptions:

Block Class	1 credit
School to Work	1 credit
Freshman Chorus	0.25 credit
Mixed Chorus	0.25 credit
Show Choir	0.25 credit
A day/B day PE	0.25 credit

*Driver's Education does not count as a credit toward graduation.*

## GRADUATION

Students classified as a senior may plan on graduation. Seniors who have developed a plan and are accepted and approved by the Johnston High School administration for fulfilling Johnston High School graduation requirements in the summer following their senior year, may participate in commencement ceremonies.

Any student who has met the requirements for graduation and who follows the rules set by the administration for the ceremony will be allowed to participate in commencement ceremonies. If, for any reason, a student does not participate in commencement ceremonies, the student shall still receive his or her final progress report and diploma for completion of graduation requirements.

## EARLY GRADUATION

Generally, students will be required to complete the necessary coursework and graduate from high school at the end of grade 12. Students may graduate prior to this time if they meet the graduation requirements as stated in board policy, have approval of the Board, and a recommendation by the high school principal. Any student desiring early graduation must complete the Early Graduation Contract and submit the application to the Counseling Office prior to the anticipated date of graduation or as deemed appropriate by administration. Interested students need to set up a meeting with their counselor to discuss this option.

Upon completion of graduation requirements, a student will no longer be considered a student and will become an alumnus of the school district. A student who graduates early may participate in Commencement exercises.

# COURSE PLANNING

One of the most important steps in your high school journey is planning your academic path. This involves understanding yourself (your abilities, interests, and values) and the world of work (what careers are available as well as the education and training needed for these careers). It is important that you choose courses that align with your goals and prepare you for future education or training.

## Timeline and Resources for Course Selection

- December/January: 9-11th grade students review four-year plans and REQUEST courses for the following school year
- January/February: Parents and guardians have the opportunity to participate in virtual meetings with counselors to learn about course planning as well as review their child's four-year plan and approve course requests in Infinite Campus
- May: Students may review and change their REQUESTS, based on reasons listed below
- Late July: Students may review and change their REQUESTS, based on reasons listed below
- Mid-August: After schedules are released mid-August, there will be no schedule changes.
- Watch for emails with exact dates and procedures to change REQUESTS.

## Course Selection and Change Policy

The master schedule is built off of student requests each year, so it is critical that students carefully select their courses with the help of their families, teachers, and counseling team. Our course selection process offers multiple opportunities for review by student and parents, therefore course request changes after deadline will only be considered if they meet one of the school board approved reasons below:

- **Level Change:** The student would like to move from one level of course to another. For example, move from regular World History to AP World History or vice versa. This move must be approved by the parent, teacher and counselor.
- **Computer and/or clerical error.** Course requests will be entered by the student into Infinite Campus and reviewed by parents, if there is an error in the clerical move from course planning into the school's scheduling program, the change will be considered for approval.
- **Special Education/At-Risk/ELL/Special Programming** placement changes. The course request change must be related to the student's need for a course based upon replacement.
- **Failure to meet a course prerequisite.**
- **Seniors who must enroll in a course to meet graduation requirements** or college entrance requirements. Students may need to provide documentation for the change to be considered for approval.



## Course Loads

Sophomores and Juniors must take six (6) JHS credit courses per semester for a total of twelve (12) JHS credit courses over two semesters.

Seniors with 20 or more credits must have at least five (5) JHS credit courses each semester for a total of ten (10) JHS credit courses over two semesters. Seniors with less than 20 credits must take at least six (6) JHS credit courses each semester for a total of twelve (12) JHS credit courses over two semesters.

Study Hall and DMACC online courses do not count towards the minimum course requirement.

## Physical Education Exemption

Students who qualify for a Physical Education (PE) exemption, as outlined below, will be exempt from taking PE each year they qualify for exemption **and** complete the waiver . Effective 2025-2026, PE exemptions will not earn Johnston High School (JHS) credits and will not count towards the total number of courses required for full-time enrollment. Exemptions will satisfy the annual PE requirement for graduation.

The total number of credits (25) required for graduation remains unchanged.

Students interested in a PE exemption should contact their school counselor to complete the necessary waiver form.

The following list of activities qualifies a student for PE Exemption.

1. To enroll in academic courses not otherwise available to the student.
2. To enroll in a work-based learning program or other educational program authorized by the school which requires the student to leave the school premises during the school day, such as off-site DMACC classes and school to work.
3. If a student is involved in an activity sponsored by the school which requires at least as much physical activity per week as one-eighth unit of physical education such as being a member of an athletic team, show choir, marching band or color guard.
4. The student is enrolled in a junior reserve officers' training corps.

## Open Periods

Juniors and seniors may have open periods in their day. Attendance is taken for every period that a student is assigned to a class. If the schedule states "open period" a student may leave campus or remain on campus in an approved location.

Sophomores may have an open period in their day if their parent/guardian provides written permission for them to drop a study hall from first or eighth period only. Sophomore students who drop a first or eighth period study hall class must have transportation to leave campus during those open periods. Sophomore students who do not comply with the open period agreement will be placed back into the dropped study hall class immediately and held to course attendance expectations.

## Dropping Courses

Students will be allowed to drop a course within the first five weeks of each semester, as long as they still maintain the minimum number of required courses, and required JHS paperwork is complete. In the first five weeks of a semester, students may transfer from an AP or Advanced level course to a similar regular level course, without penalty, as long as the student transfers their current grade with them at time of transfer.

As long as a student's minimum course load requirements are maintained, students can drop a DMACC concurrent-enrolled class based on dates determined by DMACC: After 7 weeks into class, will receive a W on DMACC transcript and not show at all on JHS transcript

After 12 weeks into class, will receive an F on DMACC transcript and F on JHS transcript. It is the student's responsibility to be aware of drop dates for DMACC courses regardless of modality. Specific dates will be communicated by the counseling department each semester.

## Retaking Courses

Students may repeat classes previously taken at JMS & JHS. If students choose to repeat a class, the following rules and procedures will be in effect:

- The repeated class must be taken in the same format as originally taken within the district.
- Credit will only be awarded once for a class. Students cannot gain additional credit by repeating a class.
- The grade earned in the repeated class will be used to calculate the student's cumulative GPA.
- The original courses and grades will show on the transcript, but will not be used in any cumulative GPA calculations.
- Students requesting to repeat a class must complete a "Retake" form and return it to the Counseling Office prior to starting the repeated class.
- Repeat courses must be taken within two semesters of completion of the original course.
- Students can not repeat a course that has been used as a prerequisite for the subsequent course.
- Acceptance into a class is subject to availability of seats in the class.
- Requests that don't meet the above guidelines are subject to administrative approval.
- Students are responsible for understanding DMACC's retake policy for concurrent credit courses.

## GRADING POLICY

A dual reporting system is used. Both an unweighted 4.0 scale and a weighted 5.0 scale will be reported. Both weighted and unweighted grade averages will be displayed on transcripts.

Unweighted grades are awarded on an A's= 4.0, B's= 3.0, C's= 2.0, D's= 1.0, F= 0 basis. Individual teachers determine what is needed to achieve these grades. Teachers may award + or - grades, but these are not reflected in the GPA (Grade Point Average).

In the weighted grading calculation, A's= 5.0; B's= 4.0; C's= 3.0; D's= 2.0, F= 0. The following classes are weighted:

- Advanced Placement courses as developed and approved by the College Board.
- PSEO classes that have been approved by the Principal or designee.
- DMACC Classes: Students may choose to take concurrent credit DMACC courses for credit hours. While JHS does not use the "+" or "-" grade designations, DMACC does.
- Transfer transcripts will be evaluated by Principal or designee and weighting assigned based on local weighted course standards.

# POST-SECONDARY PLANNING

## Recommended Curriculum for Students Planning on Postsecondary Education

<b>Courses</b>	<b>JHS Graduation Requirement</b>	<b>Minimum Suggested College Preparation</b>
English	4.0 Credits	4.0 Credits
Social Studies	3.5 Credits	3.5 Credits
Math	3.0 Credits	3.0 Credits (Algebra 2)
Science	3.0 Credits	3.0 Credits (Chemistry or Physics)
Financial Literacy	0.5 Credits	0.5 Credits
World Language	0.0 Credits	2.0 Credits (1)
Health	0.5 Credits	0.5 Credits
PE	2.0 Credits	2.0 Credits
Electives	8.5 Credits	8.5+ Credits (2)
<b>TOTAL Credits</b>	<b>25 Credits</b>	<b>26.5+ Credits (3)</b>

1. World Language may not be required for students attending a two-year college. Most four-year colleges and universities require two years of the same world language for admission. In addition, some majors/colleges will require 4 years for graduation. Please check with the post-secondary school you are interested in before registering for these classes. JHS encourages students to discuss world language options/requirements with their school counselor.
2. Electives chosen should include courses that relate to the student's area of interest, increase the student's breadth of knowledge or be additional courses in academic areas.
3. The best college preparation is achieved by taking the most high school courses and/or the most demanding high school courses.

### Regent Admission Index (RAI Score)

Iowa high school graduates must achieve a Regent Admission Index (RAI) score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission as freshmen to Iowa State University, the University of Northern Iowa, and the College of Liberal Arts and Sciences at the University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis. Students may visit the Iowa Board of Regents website ([iowaregents.edu](http://iowaregents.edu)) for more information and to access a RAI calculator.

\*If a course can be counted towards a student's RAI, it will be designated as a yes under the RAI column in this handbook for each course. JHS strongly encourages students to meet with their high school counselor to make sure they are able to meet admission/RAI score requirements. Please see a list of current core courses offered at JHS that are approved for RAI in appendix of this handbook.

## National Collegiate Athletic Association (NCAA)

Students interested in playing college division I or II athletics must register and be cleared by the NCAA in order to participate. The NCAA will review a student's test scores, academic record and NCAA approved courses in order for a student to be cleared. Specific requirements are present for Division I and Division II athletics and not all JHS courses can be counted towards NCAA eligibility. Students are strongly encouraged to meet with their high school counselor to discuss requirements for eligibility and be mindful of NCAA approved courses prior to course registration. Courses that count for NCAA will be marked with a yes under the NCAA heading.

## Xello

Xello is a new Career Information System online program JHS students are using to help them prepare for their bright futures. It offers a variety of activities from middle school to the end of high school, all able to provide individual experiences to help students learn about their future choices. These activities help students build self-knowledge, explore their options, and create achievable plans. They develop the 21st-century skills needed to thrive in the world of work. It's important for students to take ownership in planning for their future. But the caring adults in their life play an essential supporting role. Use your Xello Family account to see your child's work in future-readiness. Xello is available to all students anytime they want to dive deeper into it. Use this opportunity to discuss and support their future goals and plans. Students will enter through the Clever App on their ipads and families can go to [xello.com](http://xello.com).

## Extended Learning Program (ELP)

The ELP program is designed to serve students whose academic strengths require individual programming to meet their educational needs beyond the core curriculum.

The identification procedure includes multiple criteria: student application, parent feedback, teacher recommendations, standardized test scores, an informal interview with an ELP teacher, and other factors as they become available. Identification is based upon evidence of very high performance, or potential for performance, in creative thinking and/or critical thinking overall, or in a specific subject area.

Student motivation and initiative figure significantly into the identification procedure, so interested students should meet with the building ELP teacher, for more information if needed.

**ELP Middle School teacher:** Cheryl Smith ([Cheryl.smith@johnston.k12.ia.us](mailto:Cheryl.smith@johnston.k12.ia.us))

**ELP High School teacher:** Cheryl Smith- ([Cheryl.smith@johnston.k12.ia.us](mailto:Cheryl.smith@johnston.k12.ia.us))

**Instructional Coach- ELP Specialist:** Nikki Paradise-Williams ([nparadise-williams@johnston.k12.ia.us](mailto:nparadise-williams@johnston.k12.ia.us))

# EARNING COLLEGE CREDIT

## Advanced Placement (AP) Courses

The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. The program consists of college-level courses developed by the AP Program through College Board. The courses are taught in high schools and the schools can choose to offer corresponding AP exams that are administered once a year.

A student that takes an Advanced Placement test may earn college credit, placement, or both by earning a qualifying AP exam score. The placement and credit is determined and granted by the receiving college program. For more information, please see the AP College Board website for more information: <https://apstudents.collegeboard.org/>

Please know that an AP course can be both AP as well as concurrent credit. However, not all AP courses are concurrent credit.

## DMACC - JHS Concurrent Enrollment Courses

Johnston High School partners with Des Moines Area Community College (DMACC) to offer students the chance to earn college credit while still in high school. This is possible for certain Johnston High School courses that are officially recognized by DMACC and taught by certified instructors. Courses that qualify for concurrent credit will be clearly marked in the course descriptions within the following sections of this handbook.

### Important Considerations for College Credit:

**Transferability:** While DMACC credits are widely accepted, it's crucial to check with your specific college or university. Each institution may have its own rules about how these credits are applied.

**Transcript Submission:** You are responsible for sending your DMACC Concurrent Credit transcript to your chosen college or university.

### Iowa State Law and Proficiency Requirements:

To enroll in a concurrent credit course, whether at JHS, online through DMACC, or on a DMACC campus, you must demonstrate proficiency in reading, math, and science on the Iowa Statewide Assessment of Student Progress (ISASP). For more information on this law and alternative ways to meet the proficiency requirement, please refer to Board policy 604.6.



## DMACC Liberal Arts Associates of Arts (A.A.)

Obtaining an Associates of Arts (AA) Degree from DMACC while at Johnston High School provides an excellent foundation for further educational and career success, while offering considerable savings in both time and money.

- **Cost Savings** - Johnston partners with DMACC to offer concurrent enrollment programs in a wide range of departments at no cost to students
- **Lower College Costs** - Completing or working towards an AA degree early can save you money by reducing the amount of time you'll spend in a 4-year university.
- **Exposure to College Level Work** - You'll gain experience in handling college-level coursework, which can make the transition to college/careers easier
- **Improved Study Skills** - Completing an AA degree requires better time management, critical thinking, and independent learning
- **Direct Entry into Workforce** - Should you decide not to pursue further education immediately, an AA degree can provide you with qualifications to be better prepared to enter the work world.
- **Confidence and Independence** - Completing an AA degree early can boost your confidence and provide a sense of independence, knowing you've already achieved a significant academic milestone.

Johnston DMACC Degree Tracker can be found in the appendix of course handbook.

# OFF-CAMPUS OPTIONS

## Career Academy Programs (DMACC)

Johnston High School seniors can earn college credit through DMACC's Career Academy programs. These programs offer a variety of career-focused courses at the Ankeny and Southridge campuses. A list of approved Career Academy courses is available in the Off-Campus section of this course selection handbook. Students interested in enrolling will need to complete DMACC's Career Academy application the winter of their junior year.

### Program Requirements:

- **Time Commitment:** Students must be off campus for three JHS periods per day to attend DMACC classes.
- **Transportation:** Students are responsible for their own transportation to and from the DMACC campus.
- **Academic Standing:** To participate, students must maintain good academic standing at JHS, including attendance and grades in both JHS and DMACC courses.
- **Performance Standards:** Students who are credit deficient or fail to earn a C- or better in their Career Academy courses may not be allowed to continue in the program during the second semester.

Please visit the Counseling Office for more information and program brochures.

## DMACC Online Courses

Johnston Middle and High School is proud to partner with Des Moines Area Community College (DMACC) to offer online college courses to students in grades 9-12. These courses provide an opportunity for motivated students to earn college credit while still in high school.

To enroll in a DMACC online course, students must complete a Memorandum of Understanding annually and consult with their counselor. It's important to note that the transferability of these credits to other colleges may vary, so students should research their intended college's credit transfer policies.

High school credit will be awarded based on the number of college credits earned. For example, a 3-credit college course will count as 0.5 high school elective credits. These credits will contribute to graduation requirements but will not count towards minimum enrollment numbers. Grades earned in these courses will appear on the student's JCSD transcript and are subject to JCSD eligibility guidelines.

A list of approved DMACC Online courses is provided annually and can be found in the Off-Campus section of the course selection handbook.

## Central Campus & Waukee APEX

Johnston High School seniors who have completed 20 credits (9-12) may take one "course" at Central Campus or Waukee APEX. For courses to be considered, they must not be offered at Johnston High School or be available through the Post-Secondary Enrollment Options Act. The course must be approved by a school counselor as well as the building principal. Any students attending Central Campus or Waukee APEX must provide their own transportation.

## **Agriculture Education at DC-G High School**

Johnston High School students interested in Agriculture courses can enroll through a partnership with Dallas Center-Grimes High School. These classes will be held at DC-G.

Students should meet with their counselor to discuss transportation and scheduling details. Students are responsible for their own transportation to DC-G.

## **Post-Secondary Enrollment Options (PSEO)**

THE FOLLOWING PROVISIONS WILL BE IN EFFECT ONLY AS PROVIDED BY THE IOWA LEGISLATURE. Junior and Senior students are eligible to enroll for high school/college credit under the Post-Secondary Enrollment Act. In addition, ninth or tenth grade students who are identified as a gifted and talented student according to the school district's criteria and procedures may now participate under this. Credit earned under this Act will count for both high school and college credit. Students may enroll at Iowa Regents universities, Iowa community colleges or Iowa private colleges. The courses that students select must not be offered at Johnston High School. The cost for taking these courses will be paid for by the Johnston Community Schools. However, a student enrolling in a course that drops or fails the class will be responsible for reimbursing the district for the cost of the class.

High school credit earned will be based on the college credit awarded. Each three (3) credit course will provide .5 high school credits. These credits will count toward graduation as though they were taken in the high school.

Students enrolling under this process must provide their own transportation. It is also the responsibility of each student to plan a schedule that will work. However, counseling services are available to students both in the high school and through the post-secondary institution. Students and parents are encouraged to get a more detailed description of this Act in the Counseling Office prior to enrolling in courses. Students must contact the Post-Secondary Enrollment Option Coordinator in the Johnston High School Counseling Office to secure forms and to enroll. Registration and enrollment depends on notification and regulation provided by each post-secondary institution.

It is the intent of Johnston High School to help students take courses at postsecondary institutions if they are eligible, but post-secondary institutions may not all agree to participate in the program. Some colleges have minimum ACT requirements to participate. Please contact a school counselor for assistance in enrolling.

## **Student Participation and Transportation Agreement**

Johnston High School has included a Participation and Transportation Agreement in this Course Selection Handbook. As our teachers move to provide more authentic learning experiences we realize some of these may take place off of our campus. This agreement allows parents/guardians to grant students permission to drive to selected educational experiences. Teachers will provide details of any such trip and allow parents to sign off on students transporting themselves to the scheduled event. Form in Appendix of handbook.

## Student Confidentiality Agreement

Enclosed in this Course Selection Handbook is also a Student Confidentiality Agreement. As our teachers work in partnership with various industries to provide educational experiences, we want to provide security for our industry partners. Students who participate in certain educational activities with industry partners will be asked to sign the Confidentiality Agreement. Form in Appendix of handbook.

## ATHLETICS, ACTIVITIES AND ORGANIZATIONS

For a complete list of activities, clubs and organizations please visit the Johnston Community School District website: <https://www.johnstoncsd.org/activities/clubs/>.

## SCHOLARSHIP RULES FOR EXTRACURRICULAR ACTIVITIES

Students that are involved in athletics have a “Scholarship Rule” that regulates student-eligibility. The complete rule for students participating in athletics (boys and girls) can be found on the following website: [www.ighsau.org](http://www.ighsau.org) under the category called Policy/Guideline updates-Guidance on Scholarship rule 36.15 (2). The following information and examples will hopefully better explain the rules. If you have specific questions related to this information, please contact Heather Semelmacher, Activities/Athletic Director at 515-278-2407.

### Athletics

- All students must be enrolled and receive credit in at least four JHS courses at all times.
- If not passing all of their classes at the end of the semester, the student is ineligible for the next 30 calendar days (eligible on Day 31) in the next interscholastic athletic event in which the student participates. Day 1 is established by the IHSAA and the IGHS AU for the fall, spring, summer, and beginning of winter sports. Day 1 is established by each school following the conclusion of the first semester for winter sports.
- Students must begin and end the season in good-standing in order to satisfy the eligibility requirements.

### Cheerleading, Dance Team and Other School Activities

If at the end of a semester a participant receives an “F,” the student is ineligible to participate for the next 30 calendar days.

- Example 1: A 10<sup>th</sup> grade student is involved in the Dance Team. Student tried out and made the squad for their 11<sup>th</sup> grade year. At the end of the second semester they received an “F” in one class. Student would be ineligible to perform for the first 30 calendar days during her 11th grade year (still be allowed to practice, but not perform).
- Example 2: An 11th grade student is involved in Mock Trial. At the end of the first semester student received an “F.” They would be ineligible to perform for the first 30 calendar days during his 11th grade year.

## **Vocal Music, Instrumental Music, Speech, Drama and Other School Activities**

If at the end of a semester a participant receives an “F,” the student is ineligible to participate in any competitive event within a period of 30 calendar days. Evaluative activities are not impacted by the eligibility rule (see definitions of competitive and evaluative in #2).

Evaluative is defined as “an event in which a rating is given.” Competition is defined as “receiving a place” rather than a rating.

- Example 1: An 11th grade student is eligible in Innovation Show Choir, and the student receives an “F” at the end of the first semester. The student would be ineligible for the first 30 calendar days of competition following the first semester (for example, the Johnston Invitational would be evaluative because it is an exhibition, but the Urbandale Show Choir Invite would be competitive and the student would not compete).
- Example 2: A 10th grade student was involved in Marching Band. At the end of the 2nd semester, the student received an “F.” They would be ineligible to compete the competition marching band events in the fall for the first 30 calendar days (not eligible to compete in the Urbandale Marching Band Competition, but would be able to participate in the Johnston Invite and the halftime of the varsity football games since it is not for places and would be considered evaluative).

## **Attendance Expectations for Athletics and Activities**

- A student with an unknown absence may not practice or participate that day.
- Any student that has missed 4 or more periods (M, Tues, Fri) or two or more periods (Wed, Thurs) is not eligible to participate that day.
- Any student that has an unserved detention or Saturday School (after they have had the opportunity to serve) is not eligible to participate in athletics or activities until they have served their detention.



# ACADEMIC HONORS AND AWARDS

Johnston High School intends to honor and recognize those students who excel in the classroom. A variety of awards is bestowed, a few of them being:

## Academic Letter

The highest academic honor bestowed is an Academic J. An academic J will be awarded to students in grades 9-11 who have achieved a 3.70 G.P.A. or better for the first **AND** second semester of the previous school year.

## National Honor Society

The National Honor Society is an honorary organization. Students are selected for membership by the Faculty Council on the basis of scholarship, service, leadership, and character. Membership is never considered solely on the basis of scholarship. Selection of members is during the second semester of sophomore and junior year. Only students who have been in Johnston High School the equivalent of one semester may be considered for membership, and have a cumulative grade point of 3.50. At the time of selection, all students who are scholastically eligible are notified of the procedure to follow for further consideration of membership into the National Honor Society.

## STANDARDIZED TEST OPPORTUNITIES

Standardized tests tell a student their skills level in comparison to others. The results can be used during course planning in an effort to improve current skill levels. Skill areas of particular strength or weakness can also be considered in coordination with possible career areas of interest.

GRADE 9	Iowa Statewide Assessment of Student Progress (ISASP) (Required)	Given annually by the state of Iowa. Students are measured in the areas of Reading, Language/Writing and Mathematics. The assessments are aligned with the Iowa Core standards and provide a clear and accurate assessment of student learning outcomes. Student growth, proficiency and readiness indicators will be reported.
GRADE 10	Iowa Statewide Assessment of Student Progress (ISASP) (Required)	Given annually by the state of Iowa. Students are measured in the areas of Reading, Language/Writing, Mathematics AND Science. The assessments are aligned with the Iowa Core standards and provide a clear and accurate assessment of student learning outcomes. Student growth, proficiency and readiness indicators will be reported.
GRADE 11	Iowa Statewide Assessment of Student Progress (ISASP) (Required)	Given annually by the state of Iowa. Students are measured in the areas of Reading, Language/Writing and Mathematics. The assessments are aligned with the Iowa Core standards and provide a clear and accurate assessment of student learning outcomes. Student growth, proficiency and readiness indicators will be reported.
GRADE 10 GRADE 11	PSAT (optional)	<u>PSAT</u> – practice test for SAT, used by National Merit Scholarship Corporation to select award winners (top 2%), gives comparison to juniors for math, verbal, and writing, created by SAT. Testing priority is given to 11th graders.
GRADE 11 GRADE 12	ACT (optional)	<u>ACT</u> – gives students comparison of skills to peers in math, science reasoning, English, and reading. Identifies career areas of interest, created to predict likelihood of student success in first semester of college. This test may be used by colleges as an admission requirement or for consideration of scholarships.
GRADE 11 GRADE 12	SAT (optional)	<u>SAT</u> – gives student comparison of skills to peers in math, verbal, and writing, created to predict likelihood of student success in first semester of college. This test may be used by colleges as an admission requirement or for consideration of scholarships.

# JOHNSTON CURRICULUM

ART	ENGLISH	MATHEMATICS	SCIENCE
SEMESTER LONG	SEMESTER LONG	SEMESTER (block)	SEMESTER LONG
Art Foundations (9th)	Teen Experience: Teen Issues in Literature (F1)	Algebra 2	Astronomy (9th)
Clay 1	Journalism (F1)	AP Calculus AB ◆	Biotechnology
Clay 2	On The Road: Travel Literature & Writing (F1)	AP Calculus BC	Botany
Clay 3	Pushing the Limits (F1)	AP Statistics ◆	Chemistry in Community
Design 1	Sport, Comp & Culture (F1)	Computer Science	Environmental Science
Design 2	Working it Out: Communicating in Careers (F1)	Consumer Math	Forensic Science
Drawing 1	Everyday Applied Literature (F2)	Geometry	Zoology
Drawing 2	Culture Clash (F2)	Pre-Calculus	
Art of Craft	Gender Studies & Literature (F2)	Tech Math I	YEARLONG
Painting 1	Heroic Men & Women (F2)	Trigonometry	Anatomy & Physiology ◆
Painting 2	Reading the Screen (F2)	YEARLONG	AP Biology ◆
Peer Art	Creative Writing & Literature (F2)	Algebra 1	AP Chemistry
Darkroom Photography	Advanced Speech (Cap)	Algebra 2	AP Environmental Science ◆
Digital Photography	Creative Explorations (Cap)	AP Computer Science A ◆	AP Physics: C Mechanics
Advanced Photography	Digital Storytelling (Cap)	Bridges to Algebra (9th)	Biology
YEARLONG	Acting (elective)	Cyber Security 1 ◆	Biology in the Environment
AP Art & Design ◆	Creative Writing (elective)	Geometry (9th)	Chemistry
	Debate (elective)		Physical Science (9th)
	Dragon TV (elective)	<b>MUSIC</b>	Physics
	JMS Student Media	SEMESTER LONG	
<b>BUSINESS/MEDIA</b>	YEARLONG	Music Theory	<b>SOCIAL STUDIES</b>
SEMESTER LONG	AP Language & Comp ◆	YEARLONG	SEMESTER LONG
Applied Technologies (9th)	AP Literature & Comp ◆	9th Grade Band	American Government
Business Applications (9th)	English 9	High School Band	American National Government ◆
Business Publishing (9th)	Advanced English 9	Concert Choirs	Principles of Economics
Entertainment Marketing	English 10	Mixed Chorus	Psychology
Financial Literacy	Advanced English 10	Show Choir	Social Issues
Graphic, Sound & Animated Design	Newspaper (elective)		Sociology
Introduction to Business (9th)	Honors Newspaper (elective)	<b>WORLD LANGUAGE</b>	Topics of History (9th)
Law for Bus. & Pers. Use	Yearbook (elective)	YEARLONG	YEARLONG
Social Media Marketing/ Advertising & Sales	Honors Yearbook (elective)	French 1-4 & AP	AP Psychology ◆
Web Design	Dragon TV PLUS (elective)	Spanish 1 - 4	US History
YEARLONG		Spanish 5 ◆	AP US History ◆
Accounting 1		Heritage Spanish 1 & 2	World Studies
Accounting 2			AP World History ◆
Entrepreneurship			
School to Work (Internship) ◆			

<b>FAMILY &amp; CONSUMER SCIENCE</b>	<b>PE &amp; HEALTH</b>	<b>INDUSTRIAL TECH/ PLTW</b>	<b>NON-DEPARTMENTAL</b>
SEMESTER LONG	SEMESTER LONG	SEMESTER LONG	ELL
Sewing Design 1	P.E. 9	Basic Car Maintenance	ELP
Sewing Design 2	Health	Blueprint Reading for Welders ♦	EMT - Emergency Medical Technician ♦
Housing & Interior Design	Individual/Personal Fitness	Graphic Technologies/ Communication (9th)	iJAG - Iowa Jobs for America's Graduates ♦
Culinary Arts 1	Individual/Dual Recreation Activities	Introduction to Woodworking	Reading Lab
Culinary Arts 2	Team Games/Activities & Sports	Intro to Welding/Safety & Health of the Welder ♦	
Culinary Arts 3	Intro to Strength Training	Small Engines (9th)	
ProStart 1	Strength Training for Performance ♦	Woodworking Manufacturing	<b>DIVERSE LEARNERS</b>
ProStart 2	Peer P.E.	YEARLONG	4+
Life Skills 1	Kinesiology	Civil Engineering & Architecture ♦	Skill Development
Life Skills 2: Adult Living		Computer Integrated Manufacturing ♦	Essential
Child Development & Guidance		Construction Technology ♦	Foundational
Exploring Parenting		Digital Electronics ♦	
		Intro to Engineering Design ♦	
		Principles of Engineering ♦	<b>OFF- CAMPUS</b>
		Welding 1 (Block) ♦	DMACC Online ♦
		Welding 2 (Block) ♦	DMACC Career Academy ♦

♦ Indicates class also receives DMACC Credit

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# ART

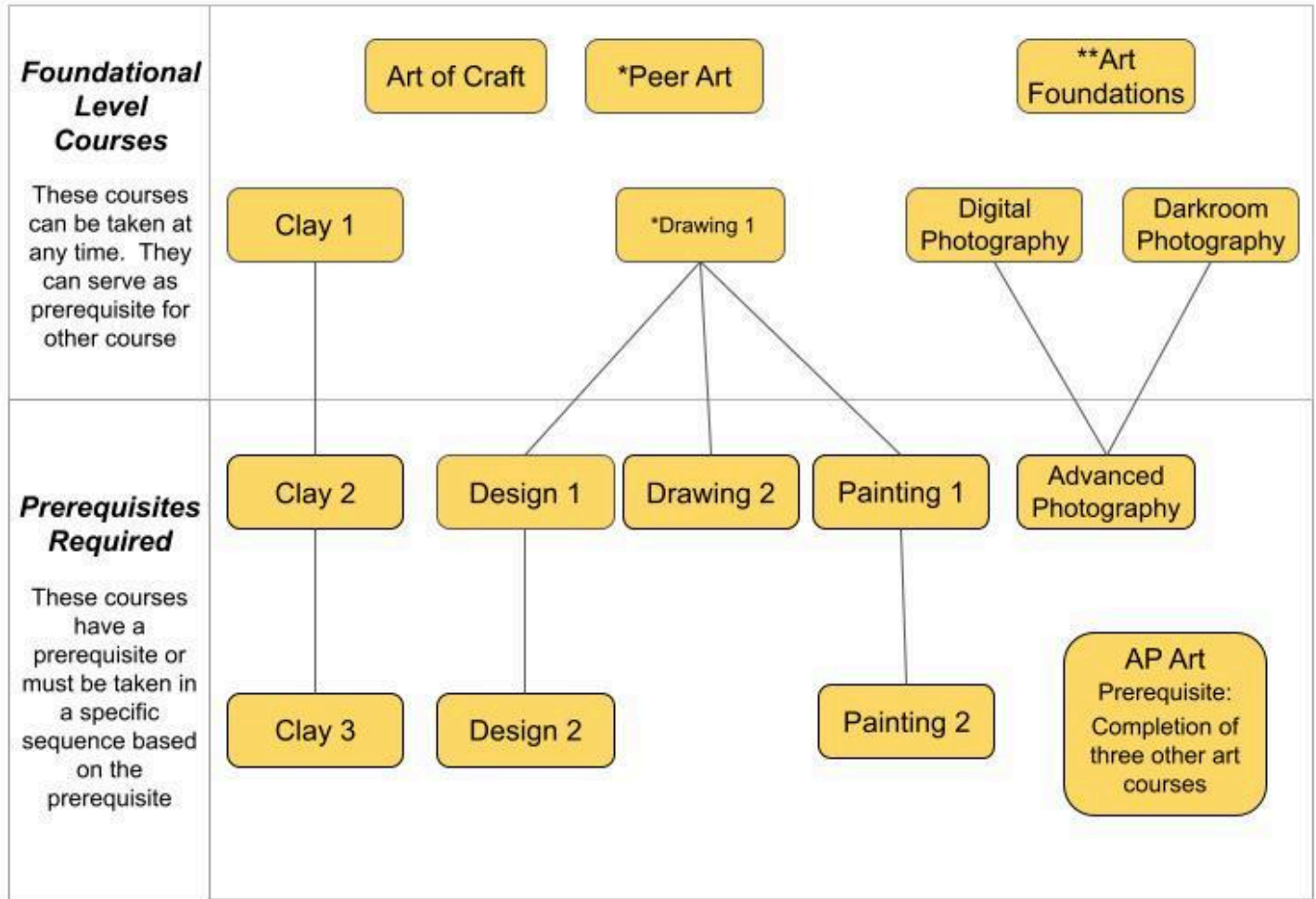




# ART

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
AP Art & Design (DMACC Concurrent Enrollment)			X	X		X	1.0	No	No	Yes
Advanced Photography		X	X	X	X		0.5	No	No	Yes
Art Foundations	X				X		0.5	No	No	No
Art of Craft	X	X	X	X	X		0.5	No	No	No
Clay 1		X	X	X	X		0.5	No	No	No
Clay 2		X	X	X	X		0.5	No	No	Yes
Clay 3			X	X	X		0.5	No	No	Yes
Darkroom Photography		X	X	X	X		0.5	No	No	No
Digital Photography	X	X	X	X	X		0.5	No	No	No
Design 1		X	X	X	X		0.5	No	No	Yes
Design 2		X	X	X	X		0.5	No	No	Yes
Drawing 1	X	X	X	X	X		0.5	No	No	No
Drawing 2		X	X	X	X		0.5	No	No	Yes
Painting 1		X	X	X	X		0.5	No	No	Yes
Painting 2		X	X	X	X		0.5	No	No	Yes
Peer Art	X	X	X	X	X		0.25	No	No	No

## Art and Design Course Selection Flowchart



### JCSD Course Selection Handbook Flow Chart Key



Required course (square)



Elective course (round)



Connects to required prerequisite.



Connects to prerequisite. Can take either course to meet requirement.

\*\* Only available at JMS (9th grade)

\* Available at JHS and JMS (9th grade)

## AP Art & Design (DMACC Concurrent Credit)

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Three art courses	Type of Course: Elective
Offered to grades: 11th-12th	Other: 2 DMACC Credits SDV 164 (Spring)/ Not NCAA eligible/does not count towards RAI score

In AP Art and Design, you'll develop the skills that artists and designers use while creating a portfolio of college-level work with the opportunity to submit your portfolio for evaluation (instead of taking a year-end paper-and-pencil AP Exam). A qualifying portfolio score can earn you college credit, advanced placement, or both. Students will pursue a sustained investigation while creating a body of related works that demonstrate an inquiry-based investigation of materials, processes, and ideas.

Prerequisites: Successful completion of at least three art courses (clay, drawing, design, photo, craft, painting, or advanced photo).

## Advanced Photography

Credit: 0.5	Length of Class: One semester
Prerequisites: Digital AND Darkroom Photography	Type of Course: Elective
Offered to grades: 10th-12th	Other: Not NCAA eligible/does not count towards RAI score

This course is designed to build upon the basic photography and digital applications of its prerequisite courses. Further exploration and refinement of the camera, darkroom techniques, and digital programs culminate in the forming of an individual portfolio.

## Art Foundations

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

This course is designed as an introduction to art as a form of expression. Students will do studio projects on basic drawing, painting, printmaking, clay, sculpture, and graphic design. Art history, art criticism, aesthetics and art production, with emphasis on the understanding and use of the elements and principles of design, will be covered through the studio projects. Technical and problem-solving skills will be developed throughout the course.

Art of Craft	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

This course is designed as an introduction to the artistry of craft. This class includes traditional crafting arts such as fiber arts and textiles, mosaic, jewelry, bookbinding, and more. Students will explore techniques and learn the history of artisanship from various cultures and societies while implementing their own ideas and designs into various works of art.

Clay 1	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Clay 1 is an 18-week exploration into the nature of the ceramic arts. The course provides investigation into traditional and contemporary techniques of clay and ceramic material, exploring them both aesthetically and functionally. Coiling, slab construction, build-up and the potter wheel are all used to solve a number of 3-dimensional problems of a personally expressive nature. Thinking and drawing are studied briefly in the beginning of the semester to ensure both understanding and success in the clay experiences that follow.

Clay 2	
Credit: 0.5	Length of Class: One semester
Prerequisites: Clay 1	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Clay 2 is an advanced semester course of study designed to build upon the concepts presented in the prerequisite course. Students experience ceramics history and investigate traditional and contemporary applications and techniques of ceramics through research and the development of individual work. Ceramics experiences will focus mainly on structures made on the potter's wheel, but will also include the expansion of skills in hand-building, including creating part of the human form in clay, and other sculptural works. Students will use mostly high-fire clay, including the introduction of a porcelain clay body. The Japanese tradition of Raku firing will be included later in the semester to give the students a unique experience with outdoor kilns and experimental glazes and techniques. The experiences in Clay 1 and Clay 2 should leave the student with an emerging three-dimensional visual studies portfolio.

### Clay 3

Credit: 0.5	Length of Class: One semester
Prerequisites: Clay 2	Type of Course: Elective
Offered to grades: 11-12	Other: Not NCAA eligible/does not count towards RAI score

Clay 3 is an advanced course of study designed to build upon the skills and concepts presented in Clay 1 and Clay 2. Students will seek to define their artistic voice through a choice-based, mostly student-led curriculum. Students will choose what techniques and concepts they would like to explore in their projects, along with specified projects to build skill. Group critiques will be an important part of the course to help students grow as artists and improve upon their previous work. The course will also include a collaborative community legacy piece and a community outreach event. Students will be encouraged to participate in a local student art show and a field trip to working potters' studios will be included in the course. The experiences in Clay 1, Clay 2 and Clay 3 classes should leave the student with an emerging three-dimensional visual studies portfolio, along with an artist statement that reflects their artistic vision.

### Darkroom Photography

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Darkroom Photography is an entry-level course that presents a study of art through black and white film photography. Functions of art, the nature of individual expression, the history of photography and art criticism are explored throughout this course. In addition, students will learn and practice fundamental 35mm camera functions, darkroom techniques, and basic digital applications for film photography.

### Digital Photography

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

Digital Photography is an entry-level course that presents a study of art through digital photography and the basics of Photoshop. Functions of art, the nature of individual expression, the history of photography and art criticism are explored throughout this course. In addition, students will learn and practice fundamental digital SLR camera functions and digital imaging programs.



Design 1	
Credit: 0.5	Length of Class: One semester
Prerequisites: Drawing 1	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Design 1 is a semester-long course that exposes students to the process of creating design work using various technologies. Students will apply knowledge from Drawing 1 of the elements and principles of design to strengthen their visual literacy in how to communicate and persuade using only visual creations. We will explore a range of design techniques and various design software programs. This class will challenge students in a fun and applicable way to make real world design solutions to real world applications like fashion design, comic book illustration, logo designs, and card and poster layouts.

Design 2	
Credit: 0.5	Length of Class: One semester
Prerequisites: Design I	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Design 2 is a semester-long course that delves further into the creative process of design. While using technology, students will hone their ability to create a cohesive portfolio of work that employs complex visual communication and critical thought on the part of the maker and the audience. Students will have more freedom in the projects and technology they use to develop their design portfolios. As in Design 1, the focus will be on real world design solutions while using the Adobe Suite of creative software applications.

Drawing 1	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

Drawing 1 is a course that explores the many different aspects of mark-making using a variety of materials and techniques. Units of learning are based on functions of drawing, building thinking skills, and constructs of creativity. This course explores traditional drawing experiences such as value studies, texture exploration, and the different uses of space. Students will work with pencil, charcoal, pastel, and ink. Students will learn technical and creative drawing skills while exploring and implementing the elements of art.

Drawing 2	
Credit: 0.5	Length of Class: One semester
Prerequisites: Drawing 1	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Drawing 2 is an advanced drawing course designed to build upon and go beyond the skills and concepts explored in Drawing 1. Students will learn advanced drawing techniques as well as abstract creative concepts. Students will focus on developing a creative voice and making a statement with their artwork. Students will work with artists in the community to learn about developing an artistic style, possible career paths, and art installation.

Painting 1	
Credit: 0.5	Length of Class: One semester
Prerequisites: Drawing 1	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Painting is an advanced semester course of study designed to build upon the concepts presented in the prerequisite course. Students experience painting history and contemporary applications of painting through research and the development of a painting portfolio. Painting experiences include water-based and oil based pigments ranging from light-logical color studies to highly expressive and individual applications of paint as a medium. The painting student should leave the course with a number of refined painted works for a portfolio and a basic understanding of painting history.

Painting 2	
Credit: 0.5	Length of Class: One semester
Prerequisites: Drawing 1 and Painting 1	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Painting 2 is an advanced level course designed to expand on the concepts learned in the prerequisite courses. Students will continue to work on the development of their skills in acrylic and watercolor, as well as an introduction to oil painting and experimental painting mediums. Students will study and analyze historic and contemporary painters and their influence on society and the painting genre. Students will develop a portfolio of painted work created through research, experimentation, and intentional development of individual voice and expression.

Peer Art	
Credit: 0.25	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th pending teacher approval	Other: Offered every-other-day Not NCAA eligible/does not count towards RAI score

Peer Art is a course designed to make positive student connections through the visual arts. The emphasis will be to assist special needs students as a “creative coach” in the modified art curriculum. Art projects will include both 2-dimensional and 3-dimensional activities. The class is a unique opportunity to enhance a student’s potential for independence through the visual arts.

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# **BUSINESS & MEDIA**

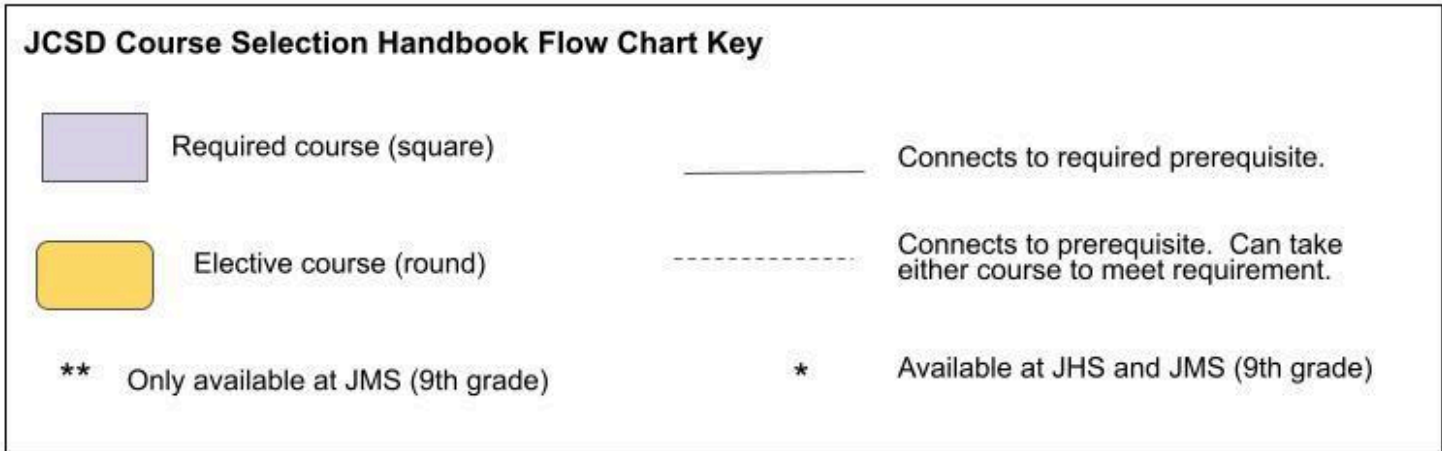
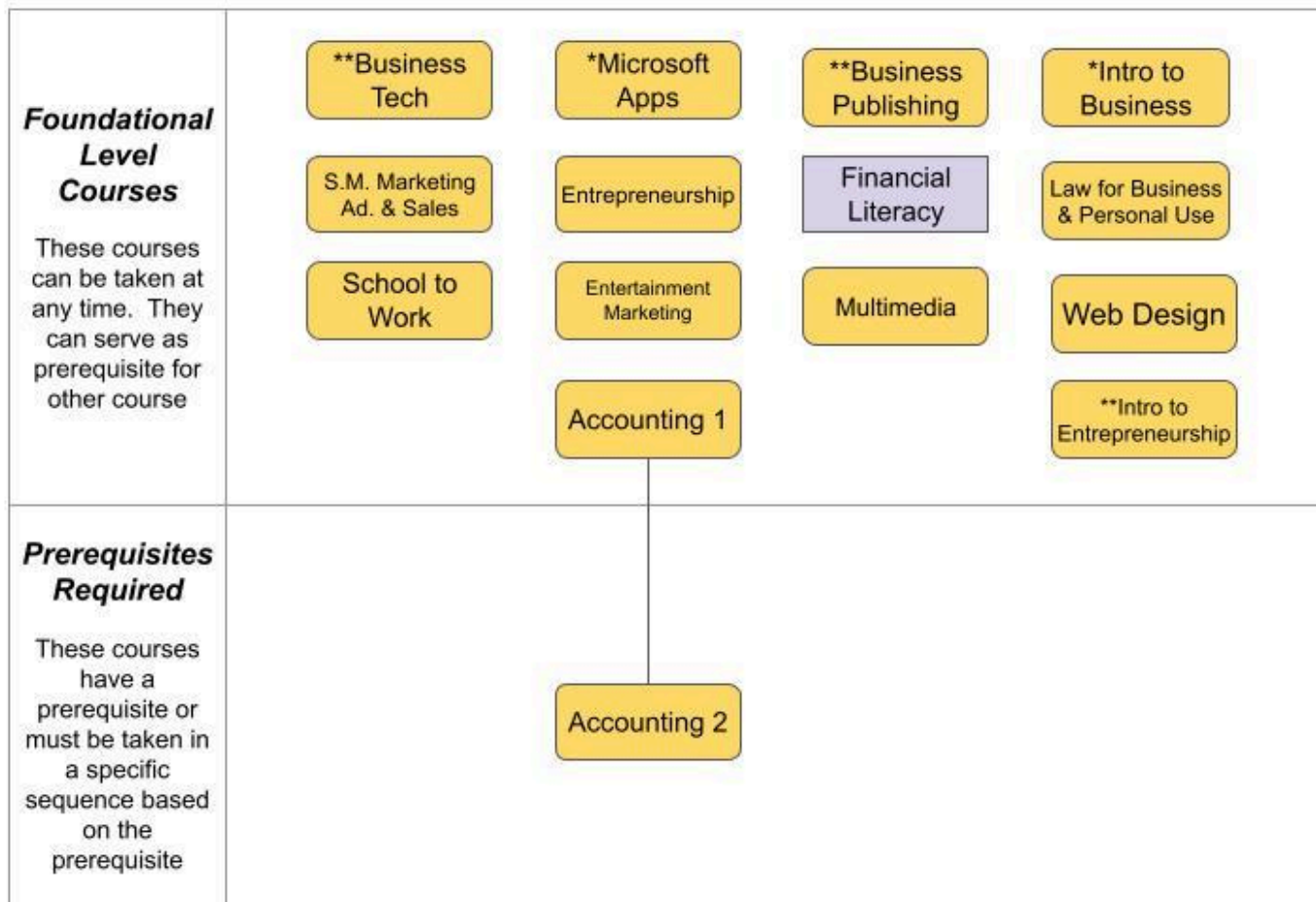


## BUSINESS & MEDIA

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
Accounting 1		x	x	x		x	1.0	No	No	No
Accounting 2			x	x		x	1.0	No	No	Yes
Business Publishing	x				x		0.5	No	No	No
Business Tech	x				x		0.5	No	No	No
Entertainment Marketing		x	x	x	x		0.5	No	No	No
Entrepreneurship			x	x		x	1.0	No	No	No
Financial Literacy			x	x	x		0.5	No	No	No
Introduction to Business	x	x	x	x	x		0.5	No	No	No
Intro to Entrepreneurship & Virtual Enterprise	x				x		0.5	No	No	No
Law for Business & Personal Use		x	x	x	x		0.5	No	No	No
Microsoft Apps (DMACC Concurrent Credit)	x	x	x	x	x		0.5	No	No	No
Multimedia		x	x	x	x		0.5	No	No	No
School to Work (Internship) (DMACC Concurrent Credit)			x	x		x	2.0	No	No	No
Social Media Marketing/Advertising and Sales		x	x	x	x		0.5	No	No	No
Web Design		x	x	x	x		0.5	No	No	No

## Business and Media Course Selection Flowchart

*Graduation Requirement: Financial Literacy*



## Accounting 1

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Accounting 1 will give students a background in the basic accounting procedures used to operate a business. Students will learn accounting procedures for sole proprietorships, partnerships, and corporations. Simulations and real world scenarios will be used for this course that will prepare anyone for a future in business.

## Accounting 2

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Accounting I	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

A student interested in business in college or as a career is advised to take a second year of accounting. The second year course is computer-based using simulations and real world scenarios.

## Business Publishing

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

This course introduces students to the dynamic field of business publishing, focusing on the strategies, processes, and skills necessary to produce high-quality content for corporate, professional, and commercial audiences. Students will explore the role of publishing in the business world, from print and digital media to emerging platforms, and understand how publishing impacts branding, marketing, communications, and thought leadership.

## Business Tech

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

This course introduces students to the integration of technology in modern business environments. It covers a broad range of tools and systems used in businesses today, with a focus on how technology can improve efficiency, enhance decision making, and drive creativity. Units include: Microsoft Office, Google Workspace, Design, Photo Editing, and Digital Marketing.



## Entertainment Marketing

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Why do movies premiere on Netflix instead of the theater? Why do cities build sports stadiums? Why do bands still perform concerts? You will find out the answers and more in Entertainment Marketing. Students will learn how marketing works in movies, sports venues, music, fashion, sports teams, video gaming, and television.

## Entrepreneurship

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 11-12th	Other: May earn 3 University of Iowa Credits - ENTR 1010 (Exploring Entrepreneurship) Not NCAA eligible/does not count towards RAI score

Students can earn three credits from the University of Iowa for passing this course and passing a test after course completion. Entrepreneurship provides students with the opportunity to run a student-designed, student-produced, and student-led business. Students work together to effectively run all aspects of the business including marketing, finance, design, management, communications, and operations. Students can follow their passion, designing their own businesses and competing with students from across the nation to win seed money to start their businesses.

## Financial Literacy

Credit: 0.5	Length of Class: One semester
Prerequisites: none	Type of Course: Required for graduation
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

Learn how to make money and keep it. This class will teach you everything you need to know about spending money wisely, banking, saving, investing, paying for college and using credit. The class will attempt to improve the national trends of irresponsible use of credit and lack of savings and investments. This class is useful for any student who will soon be an adult, in charge of their own financial well-being.

## Introduction to Business

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

This class will introduce students to the exciting and challenging world of business. Students will be more prepared as knowledgeable consumers, employees, and citizens of our economy. This course will serve as a foundation for future business classes at the high school and college level, as well as prepare students for future employment and/or business ownership.

## Introduction to Entrepreneurship & Virtual Enterprise

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

This course provides an in depth exploration of entrepreneurship, focusing on launching and managing virtual enterprises in the digital age. The course covers key aspects of business strategy, technology, marketing, and team management, with a special emphasis on the importance of business etiquette in virtual settings.

## Law for Business & Personal Use

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Law for Business and Personal Use studies the interaction between law and justice both as an individual and a consumer. Students will study ethics in the legal system, criminal, civil and contract law. Students will see the relevance of what they are studying through case studies and case debates. This course will be helpful for students planning to attend college or students wanting to learn their rights.

## Microsoft Apps (DMACC Concurrent Credit)

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: 3 DMACC Credits: BCA 212 Not NCAA eligible/does not count towards RAI score

The Microsoft Apps course is beneficial for students who want to build their skills and knowledge in Microsoft apps, including Word, Excel and PowerPoint. You will have the opportunity to take certification tests in each program in order to enhance your career prospects, gain recognition in the industry, and demonstrate your expertise to employers and clients. Students will earn 3 DMACC credits for this course.

<b>Multimedia</b>	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Students will learn to make graphics, create songs, and develop animations. A variety of software will be used including Adobe Photoshop, Animate and Garageband. Projects will be linked to real world clients and deadlines.

<b>School to Work (Internship) (DMACC Concurrent Credit)</b>	
Credit: 2.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 11-12th	Other: 7 DMACC Credits: WBL 100 (Fall) , WBL 110 (Fall), WBL 150 (Spring), ADM 936 (Spring) Not NCAA eligible/does not count towards RAI score

The School-to-Work course is designed to provide internship opportunities to all students. The in-class portion focuses on future plans and goals with the study of career assessment, career and postsecondary research, job seeking skills, the workforce, and skills to adequately handle various workplace situations. The job site provides students with practical work experience as well as training and networking with community business people. Students will be given the opportunity to match a potential job through internship opportunities made available through the instructor's connections or the student's connections. Students will be required to intern during the school day.

<b>Social Media Marketing/Advertising and Sales</b>	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: May Earn Social Media Marketing Certification Not NCAA eligible/does not count towards RAI score

Students will learn effective communication skills and confidence to sell themselves in business, marketing, future employment and leadership. This class will cover all forms of media advertising with a focus on social media platforms such as Instagram, Facebook, YouTube, X, Snapchat, TikTok, and LinkedIn. Students will create blogs, posts, video ads, and marketing plans. Students may take an 80 question test at the end of the Student e-book and if they pass at 80% or above, they will receive a Social Media Marketing Certificate through Stukent.

## Web Design

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Students will learn the elements of web design and development. A variety of software will be used including Adobe Fireworks, Dreamweaver, and Flash. Projects will be linked to real world clients and deadlines.

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# ENGLISH



# ENGLISH

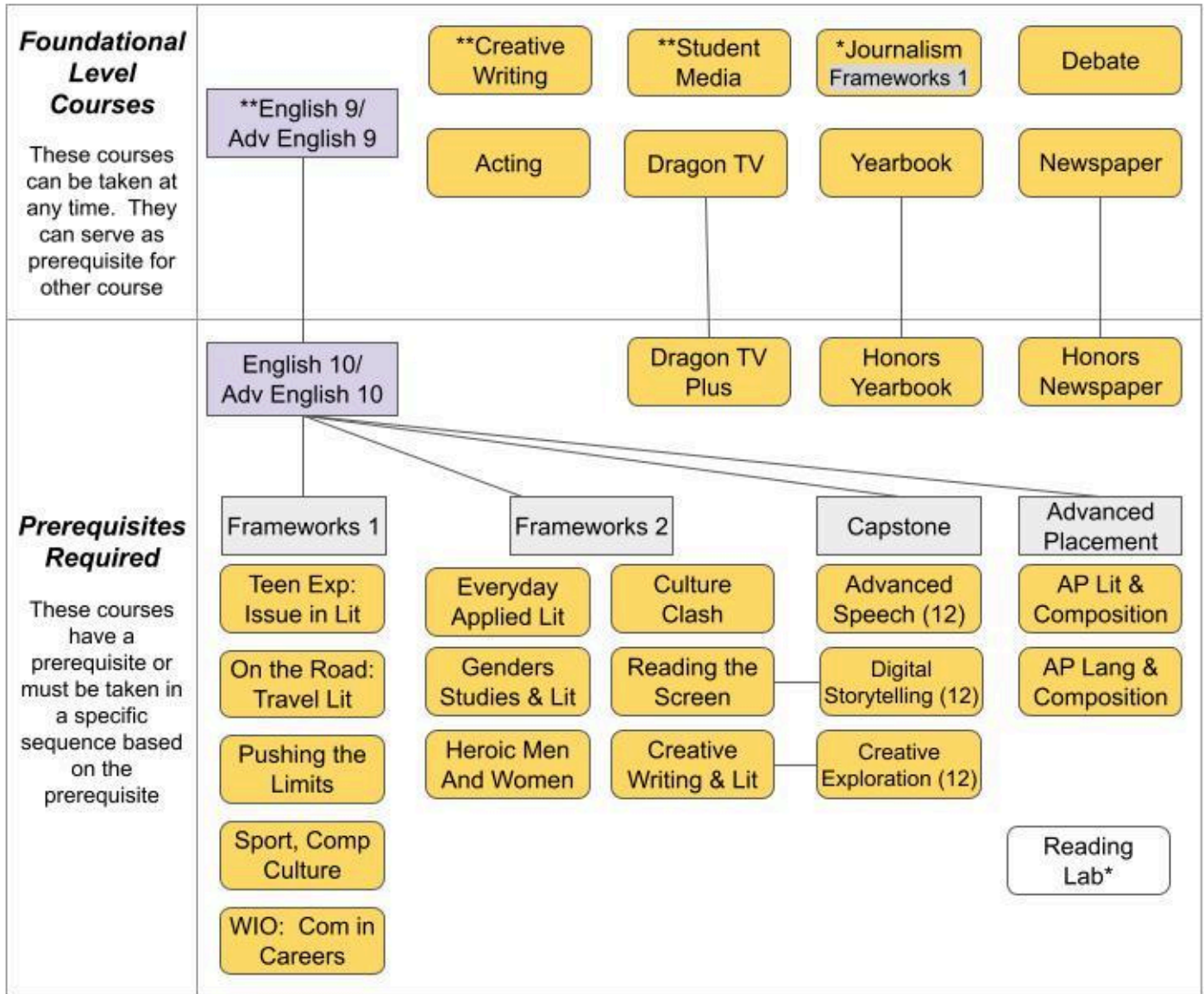
Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long				
English 9 or Advanced English 9	x					x	1.0	Yes	Yes	No
English 10 or Advanced English 10		x				x	1.0	Yes	Yes	Yes
<b>FRAMEWORKS 1 Courses</b> Courses emphasize research and argumentative writing										
Teen Experience: Teen Issues in Literature			x	x	x		0.5	Yes	Yes	Yes
Journalism	x	x	x	x	x		0.5	Yes	Yes	No
On the Road Travel Literature & Writing			x	x	x		0.5	Yes	Yes	Yes
Pushing the Limits			x	x	x		0.5	Yes	Yes	Yes
Sport, Competition and Culture			x	x	x		0.5	Yes	Yes	Yes
Working it Out: Communicating in Careers			x	x	x		0.5	Yes	Yes	Yes
<b>FRAMEWORKS 2 Courses</b> Courses emphasize narrative writing and literary analysis										
Everyday Applied Literature			x	x	x		0.5	Yes	Yes	Yes
Culture Clash			x	x	x		0.5	Yes	Yes	Yes
Gender Studies & Literature			x	x	x		0.5	Yes	Yes	Yes
Heroic Men and Women			x	x	x		0.5	Yes	Yes	Yes
Reading the Screen			x	x	x		0.5	No	Yes	Yes
Creative Writing & Literature			x	x	x		0.5	Yes	Yes	Yes

CAPSTONE Courses Courses offer more advanced or intensive study of a particular facet of English/Language Art										
Course Title	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long	Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
Advanced Speech				x	x		0.5	Yes	Yes	Yes
Creative Explorations				x	x		0.5	Yes	Yes	Yes
Digital Storytelling				x	x		0.5	Yes	Yes	Yes
Advanced Placement (AP) Courses										
AP Language and Composition (DMACC Concurrent Credit)			x	x		x	1.0	Yes	Yes	Yes
AP Literature and Composition (DMACC Concurrent Credit)			x	x		x	1.0	Yes	Yes	Yes
ELECTIVE Courses										
Acting		x	x	x	x		0.5	No	No	No
Creative Writing	x				x		0.5	Yes	No	No
Debate		x	x	x	x		0.5	No	No	No
Dragon TV		x	x	x	x		.5	No	No	No
Dragon TV PLUS			x	x		x	1.0	No	No	Yes
Newspaper		x	x	x		x	1.0	No	No	No
Honors Newspaper		x	x	x		x	1.0	No	No	Yes
Yearbook		x	x	x		x	1.0	No	No	No
Honors Yearbook		x	x	x		x	1.0	No	No	Yes



# English Language Arts Course Selection Flowchart

*Graduation Requirement: 4.0 English Credits*



11th graders need to take a semester of Frameworks 1 & 2 or an Advanced Placement course.  
12th graders need to take a semester of Frameworks 1 & 2. These courses can be substituted with a Capstone course or an Advanced Placement course.

**JCSD Course Selection Handbook Flow Chart Key**

<div style="border: 1px solid black; background-color: #d9d9e3; width: 20px; height: 20px; display: inline-block;"></div>	Required course (square)	<hr style="border: 0; border-top: 1px solid black; width: 20px; display: inline-block; vertical-align: middle;"/>	Connects to required prerequisite.
<div style="border: 1px solid black; background-color: #fff9c4; width: 20px; height: 20px; display: inline-block;"></div>	Elective course (round)	<hr style="border: 0; border-top: 1px dashed black; width: 20px; display: inline-block; vertical-align: middle;"/>	Connects to prerequisite. Can take either course to meet requirement.
<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div>	Prerequisite teacher recommendation		
**	Only available at JMS (9th grade)	*	Available at JHS and JMS (9th grade)

## Recommended English Course Progression

Graduation Requirement: 4.0 English Credits

	9th Grade	10th Grade	11th Grade	12th Grade
Options to meet Graduation requirements	English 9  <b>OR</b>  Advanced English 9  (Can take Journalism as a Frameworks 1 course)	English 10  <b>OR</b>  Advanced English 10  (Can take Journalism as a Frameworks 1 course)	One semester: Frameworks 1 One semester: Frameworks 2  <b>OR</b>  AP Language & Composition	One semester: Frameworks 1 One semester: Frameworks 2  <b>OR</b>  One semester: Capstone  One semester: Frameworks 1 or 2  <b>OR</b>  Two semesters: Capstone  <b>OR</b>  AP Literature & Composition  <b>OR</b>  AP Language & Composition

### What is the difference between Frameworks 1 (F1) and Frameworks 2 (F2) courses?

Although all of our courses offer a variety of integrated language opportunities (reading, writing, speaking, listening),

- Frameworks 1 courses emphasize research and argumentative writing,
- Frameworks 2 courses emphasize narrative writing and literary analysis.

### What is a Capstone Course?

Capstone courses offer more advanced or intensive study of a particular facet of English/Language Arts.

English 9	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: English Credit
Offered to grades: 9th	Other: NCAA eligible/RAI approved

Freshman English is a yearlong, required course that provides multiple reading, writing, and speaking opportunities connected with the Common Core. Units, course readings, and individual assignments are designed to encourage in-depth analysis of literature and nonfiction as well as independent and collaborative learning. With the pairing of literature analysis through common texts such as *Romeo and Juliet* and nonfiction research skills, students will complete authentic, complex writing and speaking tasks geared towards higher level, critical thinking skills.

Advanced English 9	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: English Credit
Offered to grades: 9th	Other: NCAA eligible/RAI approved

Students who choose this course are expected to be of high ability and motivated. A high ability student should be able to depict abstract ideas and critical thinking skills within their writing. Students should also display strong foundations as writers, allowing them to produce writing at a more sophisticated level with attention to detail and are willing to accept a challenge.

While this course meets the same standards as the general English classes, students will be exposed to more challenging texts, higher order writing prompts, and a faster pace. This will prepare them for other advanced-level courses, including Advanced Placement options for college readiness. The majority of assessments are in written format, with an expectation of writing meeting a higher level of sophistication. In addition, the class focuses on developing strong speaking skills.

Criteria to determine if this class is a good fit for you includes scores in the 'advanced' level (upper 90<sup>th</sup> %) on Iowa Assessments and other district tests as well as "A" grades. It is advised to visit with the current LA teacher to assist you in the decision-making process.

## English 10

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: English Credit
Offered to grades: 10th	Other: NCAA eligible/RAI approved

English 10 focuses on the 5 strands of the Iowa Common Core: Reading, Writing, Speaking, Viewing, Listening. Throughout the course, students are provided opportunities to develop/advance their skills in these areas through whole-class and student-selected choice activities.

## Advanced English 10

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: English Credit
Offered to grades: 10th	Other: NCAA eligible/RAI approved

Advanced English 10 focuses on the 5 strands of the Iowa Common Core: Reading, Writing, Speaking, Viewing, Listening. Throughout the course, students are provided opportunities to develop/advance their skills in these areas through whole-class and student-selected choice activities.

While Advanced English 10 meets the same standards as English 10, the texts, writing, and speech assignments will sometimes be the same, but alternate texts and assignments will also be used. In this course, students can expect to write, read more, and create speeches at an increased rigor than in English 10. Advanced English 10 is also intended to provide a foundation for students wishing to enroll in Advanced Placement English courses.

## Teen Experience: Teen Issues in Literature

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA approved/RAI approved

The Teen Experience examines the various ways that teens define, create and live in the world. We will look at how teens move through the complicated world of young adulthood, how they develop as individuals, and how they manage conflict, peer pressure, parents, and social expectations.

## Journalism

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: English Credit
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved

Write, shoot photos, and design layouts that inspire! The course is different from other language arts classes because it focuses on talking with people and sharing their stories. Social media, online, and printed formats will all be explored. Earn one (0.5 credit) of the eight semesters of language arts core credit you need to graduate. Freshmen and sophomores can get ahead on their junior and senior core language arts courses. Juniors and seniors can fulfill one semester of the Frameworks 1 requirement.

## On the Road: Travel Literature & Writing

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

On the Road explores various journeys and how people grow and change through their travel experiences. The journeys we read about will give us a chance to do some real critical thinking about the perseverance, courage, and growth of the traveler. What we take away from these experiences, how they change us, affect us, and influence our own lives, will also be a focus.

## Pushing the Limits

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Pushing the Limits explores the limits of human imagination, experience and endurance. We will look at how human beings find the strength to survive in tough situations, how they make amazing discoveries, how they deal with extreme emotion, etc. As a result of this class, we will be able to address questions like: How do people rise above their own situations? How do people find that spark within them that keeps them going? How do they push the boundaries, either within themselves or in society?

## Sport, Competition, and Culture

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Sport, Competition, and Culture studies traditional and non-traditional sports and competitions, in order to grapple with cultural values of competition, sacrifice and reward. We will explore how the quest for victory and the frustration of failure shape and define us.

## Working it Out: Communicating in Careers

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Working It Out: Communicating in Careers studies the communication strategies that are used after high school, whether in college or at work. By the end of this course students will have studied some literature about the American workforce and their potential roles in it.

## Everyday Applied Literature

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Everyday Applied Literature is a course that focuses on subjects beyond what is taught in typical English classes. This course engages students through readings and projects surrounding students' personal lives and interests. The literature read in this class varies from unit to unit and provides a multitude of subjects such as: the power of nature, mathematical concepts, the study of music, and historical connections.

## Culture Clash

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Culture Clash studies the positive and negative interactions between colliding cultures and the ways they have affected and shaped how we read, think, and live. Since culture means “shared values and beliefs,” a result of this class will be a dynamic understanding of groups of people with different cultural and ethnic backgrounds and attitudes.

## Gender Studies and Literature

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Gender Studies and Literature addresses the issues surrounding gender in history, literature, pop culture, and around the world. Careful analysis will help us to deconstruct gender in a variety of contexts. By the end of the course, we will have thoroughly examined expectations based on gender as portrayed in art, text, media, and film.

## Heroic Men and Women

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Heroic Men and Women offers a study of heroes across history and cultures. We will study legend, literature, and contemporary culture to develop a deeper understanding of how we can learn from the heroes of our stories, as well as how the individual can have a powerful impact on the world.

## Reading the Screen

Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NOT approved for NCAA/ RAI approved

In Reading the Screen, we analyze visual clips, scenes and films to practice important language arts skills. We will learn basic film vocabulary and apply filmmaking terms as we write and speak in order to gain a deeper understanding of storytelling as it is expressed visually.



Creative Writing & Literature	
Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Creative Writing & Literature will study literature and a variety of other mediums in order to explore their own creative impulses and create their own original works. We will look at some of the habits of creative people, how they think, struggle with process, seek to perfect, etc. in order to help frame our own creative work.

Advanced Speech	
Credit: 0.5	Length of Class: One semester
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 12th	Other: NCAA eligible/RAI approved

This course explores the fundamentals of speech-communication through the study and practice of interpersonal and small group communication and the composition and delivery of various speeches given in and out of the classroom. Advanced Speech addresses the history of rhetoric, communication theory, and stresses the importance of critical research to support both writing and speaking skills.

Creative Explorations	
Credit: 0.5	Length of Class: One semester
Prerequisites: Creative Writing & Literature	Type of Course: English Credit
Offered to grades: 12th	Other: NCAA eligible/RAI approved

For students who want more opportunity to develop their creative writing, Creative Explorations offers an intense semester working as a poet, fiction writer, or playwright. After a period of review in the basic creative forms, including significant reading, students will have the opportunity to pursue the creative genres in depth. Students will spend a great deal of time extending their writing, and engaging in workshop discussions with peers and the instructor.

Digital Storytelling	
Credit: 0.5	Length of Class: One semester
Prerequisites: English 10/Advanced English 10 or Reading the Screen	Type of Course: English Credit
Offered to grades: 12th	Other: NCAA eligible/RAI approved

In this advanced course, students will continue the work they began in Reading the Screen - exploring how listening, speaking, reading and writing skills are used in the analysis and creation of visual texts. We will study a variety of narrative techniques in this course in order to tell fiction and nonfiction stories visually and work with community members to help them tell their stories more effectively.

## AP Language & Composition (DMACC Concurrent Credit)

Credit: 1.0	Length of Class: Yearlong
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: 6 DMACC credits- ENG 105 (Fall), ENG 106 (Spring) NCAA eligible/RAI approved

In AP Language and Composition students are concurrently enrolled in Des Moines Area Community College and earn college credit for Composition 105 and 106. Therefore, this class has college level expectations. AP Language & Composition explores the AP Curriculum of Argument, Rhetoric, Synthesis and Close Reading, while exploring strategies for timed and process writing; however, the major focus of the course is to instruct students on college level composition and focuses on developing students' reading and writing sophistication. Students study various writing and reading and speaking skills involved in argument. Over the course, students will examine how to write and speak persuasively, read many examples of good and not-so-good arguments, and practice analytical strategies that will help us approach arguments critically and make observations about their effectiveness. In addition, students will fulfill directed and independent projects. The reading and writing students do in the course will deepen their understanding of how language works rhetorically. Activities in the class will expand students' knowledge and control of formal conventions like syntax, vocabulary, diction, spelling, punctuation, paragraph structure, genre, etc. There will be work (reading, writing, etc.) that will need to be completed outside of regular class time. Students may be expected to continue to work on some assignments during any weekend/break/vacation.

## AP Literature & Composition (DMACC Concurrent Credit)

Credit: 1.0	Length of Class: Yearlong
Prerequisites: English 10 or Advanced English 10	Type of Course: English Credit
Offered to grades: 11-12th	Other: 6 DMACC credits- LIT 101(Fall), LIT 185 (Spring) NCAA eligible/RAI approved

Advanced Placement Literature and Composition is a year-long college-level course designed to develop our critical reading, writing, and thinking skills related to the analysis, investigation and critique of literature. The course is concurrently enrolled with DMACC's Lit 101 and Lit 185. It is for high school students capable of doing college-level work in English who are dedicated to devoting the necessary time and energy to a rigorous and challenging course. We will acquire the critical skills and technical vocabulary necessary to effectively articulate the analysis of literature. We will often be asked to "go beyond" the text to accumulate research and pursue inquiries instigated by the readings. A rigorous writing process will be employed to help us sharpen our writing skills and effectively articulate their study of the literature. The course is designed with curricular requirements described in the AP English Course Description.

## ELECTIVE COURSES

*Students may enroll in elective courses throughout high school if appropriate prerequisites have been met.  
These courses do NOT count toward English department credit.*

### Acting

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: NOT NCAA eligible/does not count towards RAI score

Acting introduces various aspects of theater and should be taken by anyone who looks to acting as recreation or for career possibilities. Students will be expected to memorize lines, compose character analysis papers, act on-stage, and participate in an evening production. Acting is a one semester, elective course with no prerequisites.

### Creative Writing

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: NCAA eligible/does not count towards RAI score

In this semester-long course, the class will experiment with writing in a variety of creative genres, including short story, descriptive writing, narrative writing, poetry, and film script. Visual and written prompts are also routinely provided for journal writing practice throughout the course. Students also have the benefit of regularly sharing and discussing their writing with others. As a Creative Writing student, they will learn various forms of innovative writing, identify and practice their preferred creative outlets, and develop their editing, speaking, and collaboration skills. This class does not fulfill a required credit for English/Language Arts.

### JMS Student Media

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: NCAA eligible/does not count towards RAI score

Student Media is for students who are interested in informing and uplifting the ideas of their peers and documenting what is happening at JMS on a yearly basis. Yearbook production will be the main focus of the class, but news publications and broadcasts throughout the year will also be produced.

Debate	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: NOT NCAA eligible/does not count towards RAI score

This class will teach students public speaking skills through debate. They will learn how to debate many different styles including Policy, Public Forum, Lincoln-Douglas, and Student Congress. Students will be taught case writing, rebuttals, cross-examination skills, analytical thinking, and research skills. Students will have an opportunity to debate at a competitive tournament in addition to regular classroom debates.

Dragon TV	
Credit: 0.5	Length of Class: Semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Students enrolled will experience all aspects of broadcast journalism. Their productions will be broadcast to the school's youtube channel and social media. Students will be in charge of the stories they produce, which includes finding stories, filming, and editing the finished product. Topics covered include shooting techniques, interviewing, integration of audio, lighting, camera operation, writing scripts, unbiased reporting and editing. Students must work well with others, as most story assignments will require a reporter and a camera operator. Students must appear on camera at times. Students will evaluate the work of others, as well as their own productions.

Dragon TV PLUS	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Dragon TV	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

Students who have completed Dragon TV may sign up for Dragon TV Plus. In Dragon TV Plus students will be expected to take on a leadership role for our production. Students will be required to be an anchor, edit stories, provide student to student feedback, shoot footage, and meet deadlines. This course can be taken for repeat elective credit.

Newspaper	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: None (consider Journalism)	Type of Course: Elective
Offered to grades: 10-12th	Other: class may be repeated twice; may join mid-year for .5 credit NOT NCAA eligible/NOT RAI approved

Join one of the top journalism programs in the country. Bring recognition to others by sharing their stories and see your work published. The staff creates “The Black and White” print and online editions. Opportunities abound in this course. Past staff members have met new people, traveled to state and national journalism conventions, been recognized with state and national awards and earned scholarships because of their excellent communication skills and ability to work as a team. This class will expand the classroom outside the school building to work on projects such as interviewing, photography, advertising, and covering events outside the school day.

Honors Newspaper	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: One semester of newspaper, teacher approval, must be enrolled in Newspaper	Type of Course: Elective
Offered to grades: 10-12th	Other: class may be repeated; may join mid-year for .5 credit NOT NCAA eligible/NOT RAI approved

Lead one of the top journalism programs in the country. Editors decide the content of “The Black and White” print and online editions, oversee the staff, and work on in-depth coverage. Past editors have later worked for “The Des Moines Register,” local TV stations, the state attorney general’s office, freelanced for “Sports Illustrated” and served as an Iowa Senator’s press secretary. This class will expand the classroom outside the school building to work on projects such as interviewing, photography, advertising and covering events outside the school day. In addition, experienced students will mentor new staff members. This course can be taken for repeat elective credit.

Yearbook	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: None (consider Journalism)	Type of Course: Elective
Offered to grades: 10-12th	Other: class may be repeated twice; may join mid-year for .5 credit NOT NCAA eligible/NOT RAI approved

Join one of the top journalism programs in the country. Bring recognition to others by sharing their stories and see your work published. The staff creates “The Dragon” yearbook. Opportunities abound in this course. Past yearbook students have met new people, traveled to state and national journalism conventions, been recognized with state and national awards and earned scholarships because of their excellent communication skills and ability to work as a team. This class will expand the classroom outside the school building to work on projects such as interviewing, photography, advertising and covering events outside the school day.

Honors Yearbook	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: one semester of Yearbook, teacher approval, must be enrolled in Yearbook	Type of Course: Elective
Offered to grades: 10-12th	Other: class may be repeated; may join mid-year for .5 credit NOT NCAA eligible/NOT RAI approved

Lead one of the top journalism programs in the country. Editors decide the content of “The Dragon” yearbook, oversee the staff and work on in-depth coverage. Past editors have later worked for CBS, managed a local TV station, taught at a Division 1 university, and served as former Governor Branstad’s communications coordinator. This class will expand the classroom outside the school building to work on projects such as interviewing, photography, advertising and covering events outside the school day. In addition, experienced students will mentor new staff members. This course can be taken for repeat elective credit.

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2025-2026

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# **FAMILY & CONSUMER SCIENCES**

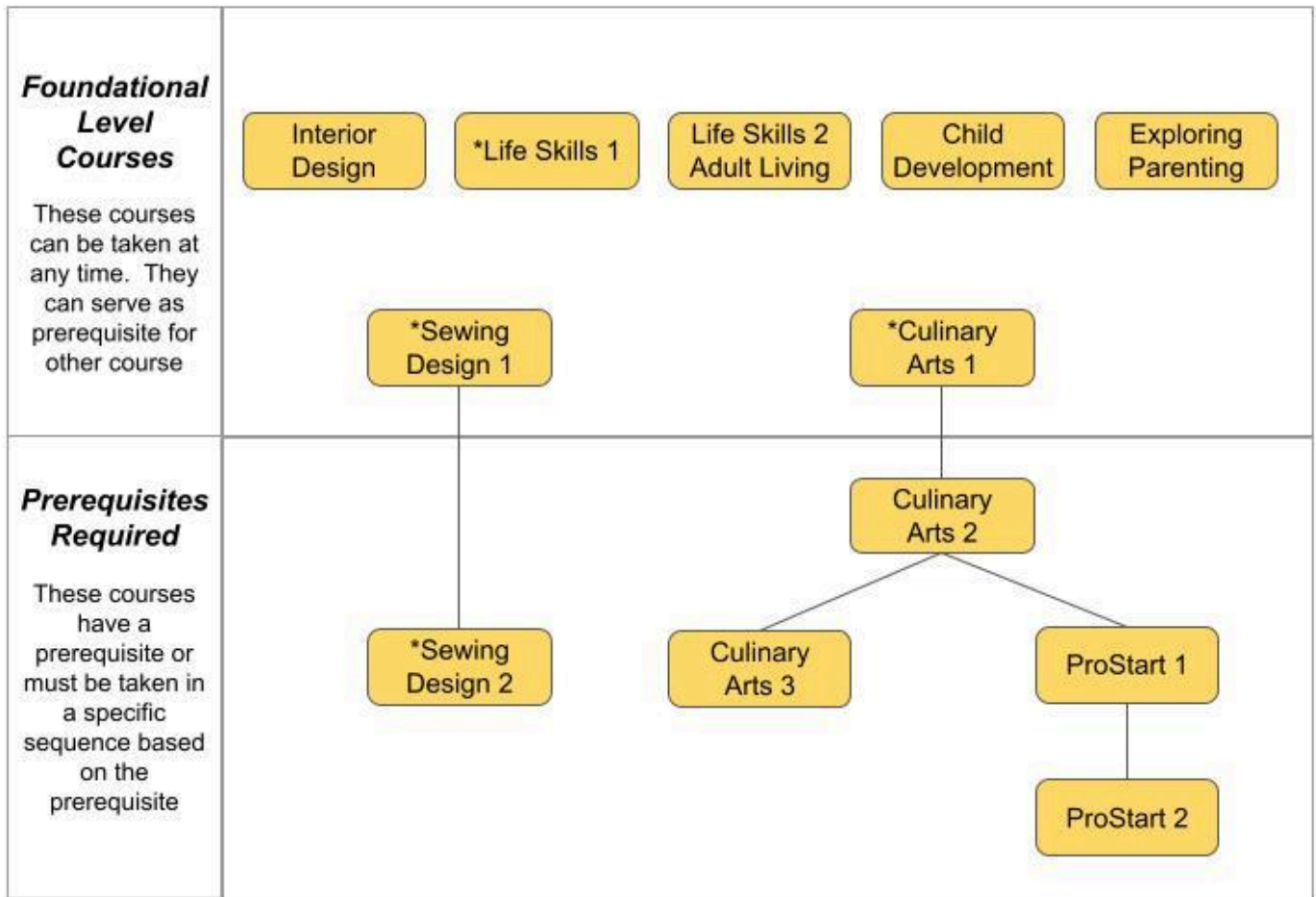




## FAMILY & CONSUMER SCIENCE

Course Title	Offered to students in:				Class Lengths:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
<b>Arts/AV Technology &amp; Communication Cluster: Visual Arts Pathway</b>										
Sewing Design 1	x	x	x	x	x		0.5	No	No	No
Sewing Design 2		x	x	x	x		0.5	No	No	Yes
Housing and Interior Design		x	x	x	x		0.5	No	No	No
<b>Hospitality &amp; Tourism Cluster: Restaurant, Food &amp; Beverage Pathway</b>										
Culinary Arts 1	x	x	x	x	x		0.5	No	No	No
Culinary Arts 2		x	x	x	x		0.5	No	No	Yes
Culinary Arts 3			x	x	x		0.5	No	No	Yes
ProStart 1			x	x	x		1.0	No	No	Yes
ProStart 2			x	x	x		1.0	No	No	Yes
<b>Human Services Career Cluster: Early Childhood Development Services Pathway</b>										
Life Skills 1	x	x	x	x	x		0.5	No	No	No
Life Skills 2: Adult Living		x	x	x	x		0.5	No	No	No
Child Development & Guidance		x	x	x	x		0.5	No	No	No
Exploring Parenting		x	x	x	x		0.5	No	No	No

## Family and Consumer Science Course Selection Flowchart



### JCSD Course Selection Handbook Flow Chart Key



Required course (square)



Elective course (round)



Connects to required prerequisite.



Connects to prerequisite. Can take either course to meet requirement.

\*\* Only available at JMS (9th grade)

\* Available at JHS and JMS (9th grade)

**ARTS/AV TECHNOLOGY & COMMUNICATIONS CLUSTER: VISUAL ARTS PATHWAY**

**Sewing Design 1**

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

In this beginner course, students will use technology and sewing techniques to construct clothing and textile products. Students will create projects that use various types of stitches and construction techniques. This course offers students the opportunity for hands-on learning and an outlet to express their creativity.

**Sewing Design 2**

Credit: 0.5	Length of Class: One semester
Prerequisites: Sewing Design I	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Sewing Design 2 is a continuation of applying various types of stitches and construction techniques within a hands-on environment. This class will dive into the use of fabric, design, and creation of clothing items to influence trends in fashion. This class will have a greater emphasis on designing and constructing your own creations.

**Housing and Interior Design**

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Within this class students explore factors affecting decisions related to housing and home furnishings for individuals and families. Planning, selecting, purchasing, and maintaining a livable home environment are emphasized. Students will be exploring topics such as interior design styles, selection and use of furniture, floor and space planning, elements and principles of design. Working for a client and discovering the use of the elements and principles of design will be the main objectives for this project-based class.

### Culinary Arts 1

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

This foundation level course will begin the journey in exploring the art of food preparation. This course is designed to provide you with the opportunity to understand specific preparation techniques of baking principles and the science behind it, basic knife skills, and basic cooking techniques to get you started cooking on your own. Culinary Arts I emphasizes the understanding of various equipment, food safety and quality, food chemistry and product evaluation. Food units will focus on creating products in the area of quick breads, yeast breads, eggs, pasta with sauces, fruits and vegetables.

### Culinary Arts 2

Credit: 0.5	Length of Class: One semester
Prerequisites: Culinary Arts 1	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

In this part two of an introductory course, students continue to advance their skills within safe and sanitary use of equipment, food preparation skills, and knowledge of cooking terms learned in Culinary I. This course is designed to provide you with an opportunity to further understand culinary safety, knife skills, moist cooking, and dry heat techniques. Food units will focus on creating products in the area of pastries, yeast breads, meats, herbs, spices, rice, soups, and sauces.

### Culinary Arts 3

Credit: 0.5	Length of Class: One semester
Prerequisites: Culinary Arts 2	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

This course serves as an advanced culinary course after taking Culinary I & II. Students continue to advance their skills within safe and sanitary use of equipment, food preparation skills, and knowledge of cooking terms learned in Culinary I & II. This will prepare you for careers in the food and hospitality industry by advancing your skills to a new level.

ProStart 1	
Credit: 1.0	Length of Class: Semester block
Prerequisites: Culinary Arts 2 and teacher recommendation	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

ProStart is an exciting advanced culinary management class for the motivated student who enjoys the foodservice industry and would be a strong candidate for managing other people. The ProStart program introduces students to restaurant and foodservice concepts not found in the traditional culinary courses. In addition to the fun of food preparation, topics like customer relations, cost accounting, food cost controls, and marketing are covered. Whether a student plans to go on to college or head straight for a career, the business skills that the ProStart program develops will serve them well in the years ahead and opens student's eyes to the vast and varied career options available to them in this exciting industry.

There is also an annual state competition for ProStart teams. The state winners travel to the national competition to vie for awards and scholarships. DMACC recognizes that certain components of the ProStart curriculum may qualify for DMACC credit upon enrollment in a qualifying DMACC program.

ProStart 2	
Credit: 1.0	Length of Class: Semester block
Prerequisites: ProStart 1 and teacher recommendation	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

ProStart II expands on the foundational knowledge and skills learned in ProStart I. Students will delve deeper into the history of the food service, lodging, tourism, and retail industries. They will refine their culinary techniques by preparing a wide range of dishes, including potatoes, grains, desserts, baked goods, meat, poultry, seafood, stocks, soups, and sauces.

Additionally, students will explore the art of food presentation and service. They will learn about marketing strategies, menu development, purchasing and inventory control, and standard accounting practices. To excel in the hospitality industry, students will also develop effective communication skills to interact with customers and colleagues.

## HUMAN SERVICES CAREER CLUSTER: EARLY CHILDHOOD DEVELOPMENT

### Life Skills 1

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

This course has been restructured to fit the needs of all students preparing for independent life after high school. This class will focus on exploration of employability and interpersonal skills, as well as the application of human services such as interview skills, sewing for repairs, and cooking for life.

### Life Skills 2: Adult Living

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Do you know what soft skills are? Employers want them in their employees, but what are they and how can you learn to apply them? This class explores a wide variety of soft skills like problem solving, good communication, resiliency, and critical thinking through the exploration of their application in the real world and guest speakers from the community—your future employers. This course will prepare you for self-sufficiency in career and life management, build and develop personal and professional relationships, and open your eyes to realistic financial responsibility. Much of this class is student designed and focused.

### Child Development and Guidance

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Gain practical experience in guiding young children as you create and deliver age-appropriate activities at local preschool and daycare settings. Learn to direct behaviors, observe and motivate children. A basic study of developmental stages of preschool age children and the provision of a healthy and safe environment for children is the focus of classroom work. Practicum at a local child care center is included.

### Exploring Parenting

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

This course focuses on the study of human development from conception to three years old. Examine the decision to parent, pregnancy, healthy parent-child relationships, safe and nurturing environments, and age appropriate development in children. The role of parents, family, and caregivers in meeting the child's physical, intellectual, and social-emotional needs are the focus of study. Students will be required to take "Baby Think It Over" for several nights.

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# **INDUSTRIAL TECHNOLOGY & PLTW**



## INDUSTRIAL TECHNOLOGY & PLTW

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Req?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
<b>COMMUNICATION COURSE</b>										
Graphic Technologies/ Communication	x				x		0.5	No	No	No
<b>CONSTRUCTION COURSES</b>										
Construction Tech. (DMACC Concurrent Credit)			x	x		x	1.5	No	No	Yes
Woodworking Manufacturing		x	x	x	x		0.5	No	No	Yes
Introduction to Woodworking	x	x	x	x	x		0.5	No	No	No
<b>MANUFACTURING COURSES</b>										
Blueprint Reading for Welders (DMACC Concurrent Credit)		x	x	x	x		0.5	No	No	No
Intro to Welding/Safety & Health of the Welder (DMACC Concurrent Credit)		x	x	x	x		0.5	No	No	No
Welding 1 (DMACC Concurrent Credit)		x	x	x		x block	2.0	No	No	No
Welding 2 (DMACC Concurrent Credit)		x	x	x		x block	2.0	No	No	Yes
<b>TRANSPORTATION COURSES</b>										
Basic Car Maintenance			x	x	x		0.5	No	No	No
Small Engines	x						0.5	No	No	No



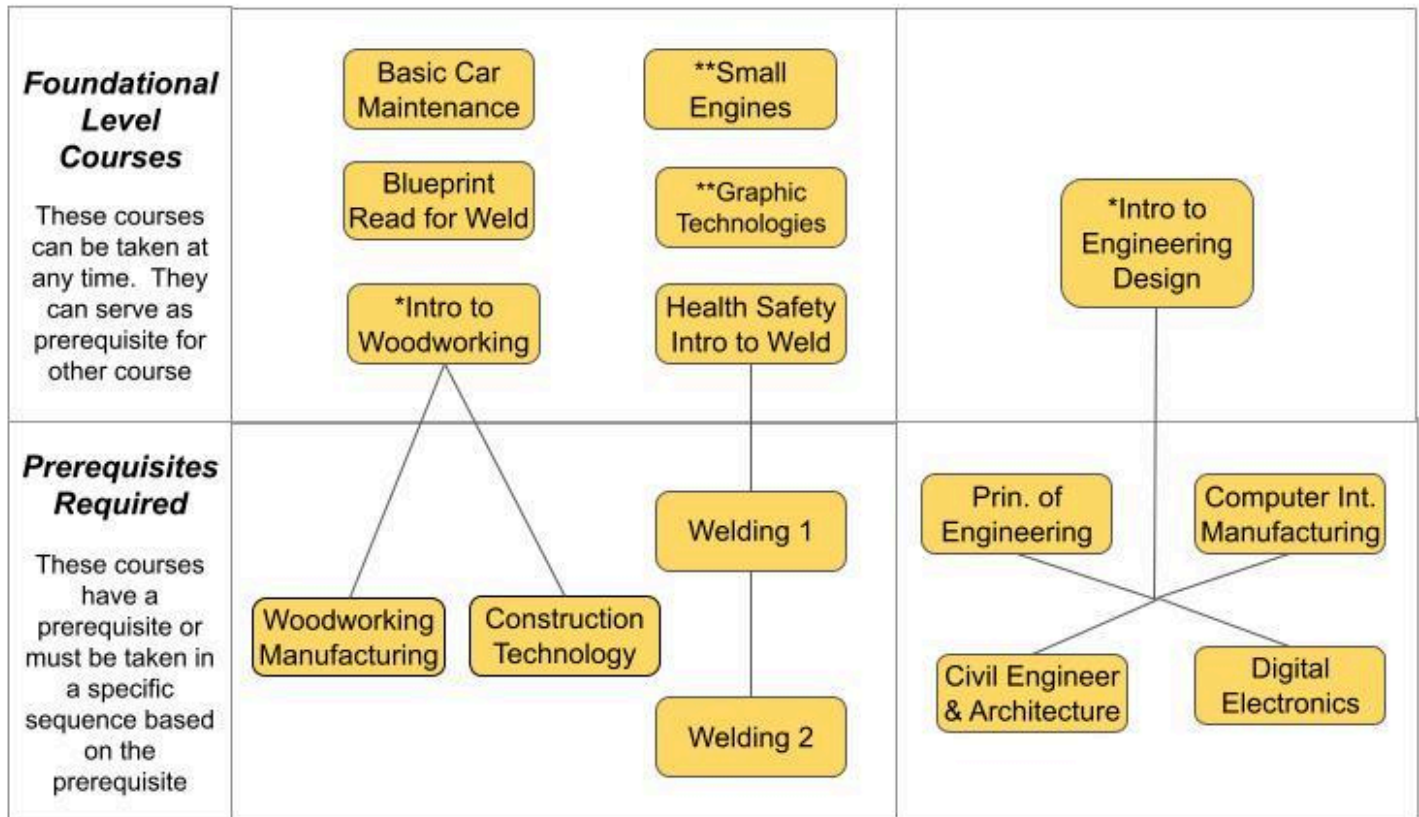
**PROJECT LEAD THE WAY (PLTW)**

Civil Engineering and Architecture (DMACC Concurrent Credit)		x	x	x		x	1.0	No	No	Yes
Computer Integrated Manufacturing (DMACC Concurrent Credit)		x	x	x		x	1.0	No	No	Yes
Digital Electronics (DMACC Concurrent Credit)		x	x	x		x	1.0	No	No	Yes
Intro to Engineering Design (DMACC Concurrent Credit)	x	x	x	x		x	1.0	No	No	Yes
Principles of Engineering (DMACC Concurrent Credit)		x	x	x		x	1.0	No	No	Yes

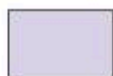
# Industrial Technology and PLTW Course Selection Flowchart

## Industrial Technology

## Project Lead the Way



### JCSD Course Selection Handbook Flow Chart Key



Required course (square)



Elective course (round)



Connects to required prerequisite.



Connects to prerequisite. Can take either course to meet requirement.

\*\* Only available at JMS (9th grade)

\* Available at JHS and JMS (9th grade)

## COMMUNICATION COURSE

### Graphic Technologies/Communication

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

Graphic Technology teaches students how to deliver a message using different forms of technology and media. Students will learn about concept and technical sketching. Software that will be utilized consists of software from the Autodesk Suite and Adobe. Computer Numerical Control and Computer Aided Manufacturing will be introduced. Students will complete projects that will incorporate the use of 3D printers and a laser engraver.

## CONSTRUCTION COURSES

### Construction Technology (DMACC Concurrent Credit)

Credit: 1.5	Length of Class: Yearlong
Prerequisites: Woodworking 1	Type of Course: Elective
Offered to grades: 11-12th	Other: 7 DMACC credits- CON 336 (Fall), CON 337 (Fall), CON 333 (Spring) Not NCAA eligible/does not count towards RAI score

Construction Technology teaches the topics covered in DMACC courses: Care & Use of Hand and Power Tools, Blueprint Reading and Materials and Construction Theory. This is a hands-on, project-based course for students who are interested in learning more about the construction industry.

### Introduction to Woodworking

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

Introduction to woodworking develops knowledge and fundamental skills utilized within the field of woodworking and construction. Shop safety, layout procedures, woodworking joint construction, gluing and clamping procedures and finishing processes are covered. The projects will require you to follow a plan of procedure and fill out a bill of materials. Equipment safety and proper operation along with sanding and finishing techniques will be a focal point of the course. *This is the same class at JMS and JHS -- cannot take course twice.*

## Woodworking Manufacturing

Credit: 0.5	Length of Class: One semester
Prerequisites: Introduction to Woodworking	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

Woodworking Manufacturing is a course that utilizes the fundamentals learned in Introduction to Woodworking and expands on that knowledge. The class is 100% project based. Students will choose to work individually or within a group to design, build, and finish a woodworking project of their choice. Modern manufacturing methods such as Computer Numeric Control (CNC) Router, CNC Lathes, Laser cutting, and other industrial machinery will be introduced and used. Students will gain introductory engineering skills using 3D Solid Modeling, Computer Aided Manufacturing (CAM), and producing technical drawing with a professional project report. Successful completion of Introduction to Woodworking is required.

### MANUFACTURING COURSES

## Blueprint Reading for Welders (DMACC Concurrent Credit)

Credit: 0.5	Length of Class: Semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th grade	Other: DMACC Credits- WEL 233 Not NCAA eligible/does not count towards RAI score

This course provides instruction in interpreting elements of welding prints (drawings or sketches), focusing on measurement, American Welding Society welding symbols, and fabrication requirements. Students will understand how to prepare, assemble and tack welding parts according to drawings or sketches, using proper materials and tools.

## Introduction to Welding/Safety & Health of the Welder (DMACC Concurrent Credit)

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 10-12th	Other: 1 DMACC Credit: WEL 228 Not NCAA eligible/does not count towards RAI score

This course will provide students with orientation to the welding profession and will cover the basics of safety and health within the welding profession. This course will also introduce you to several types of welding, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Oxygen-Fuel Welding (OFW), and Oxy-Acetylene cutting (OAC). You will learn how to set up the equipment and perform simple welds and cuts in the flat position. Safety in the lab is of paramount importance.

**MANUFACTURING COURSES (cont.)**

**Welding 1  
(DMACC Concurrent Credit)**

Credit: 2.0	Length of Class: Yearlong (blocked)
Prerequisites: Intro to Welding	Type of Course: Elective
Offered to grades: 11-12th	Other: 6 DMACC Credits- WEL 274 (Fall); WEL 244, WEL 254 (Spring) Not NCAA eligible/does not count towards RAI score

This course focuses on proper weld safety, machine setup and welding techniques of Gas Metal Arc Welding Short-Circuiting Transfer. Students perform American Welding Society compliant welds on carbon steel, in flat, horizontal, vertical and overhead positions. In addition, students will learn the safety, amperage settings, polarity and the proper selection of electrodes for the shielded metal arc welding process. Students will perform American Welding Society compliant welds on carbon steel, using visual and destructive methods for determining weld quality. Lastly, students will visually examine test weldments and thermally cut surfaces per multiple welding codes, standards, and specifications.

**Welding 2  
(DMACC Concurrent Credit)**

Credit: 2.0	Length of Class: Yearlong (blocked)
Prerequisites: Welding 1	Type of Course: Elective
Offered to grades: 10-12th	Other: 7 DMACC Credits- WEL 275 (Fall); WEL 245, WEL 251 (Spring) Not NCAA eligible/does not count towards RAI score

This course focuses on safety, machine set up and techniques for the Shielded Metal Arc Welding (informally known as stick welding) process, Flux Cored Arc Welding (Gas Shielded), and Gas Tungsten Arc welding. Students will perform American Welding Society complaint welds on carbon steel, in flat, horizontal, vertical and overhead configurations, using visual and destructive methods for determining weld quality.

## TRANSPORTATION COURSES

### Basic Car Maintenance

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

Students will learn the essentials of purchasing, owning, maintaining, and selecting professional service for an automobile. Students will also learn the operational systems, general and preventative maintenance, light service, and general troubleshooting. The student will explore careers in the transportation industry and have hands-on opportunities to service their own vehicle in class. Access to a vehicle is encouraged.

### Small Engines

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

This course will explore careers in the small engine industry as well as introduce the students to the various mechanical systems and components of a 4-stroke internal combustion engine. The student will learn how to diagnose, disassemble, inspect, measure, and reassemble an OHV engine. Students will work on an overhead valve engine to learn the basic operation of an internal combustion engine.

**PROJECT LEAD THE WAY (PLTW)**

<b>Civil Engineering and Architecture (CEA) (DMACC Concurrent Credit)</b>	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Introduction to Engineering Design OR Principles of Engineering	Type of Course: Elective
Offered to grades: 10-12th	Other: 3 DMACC Credits- EGT 460 (Spring) Not NCAA eligible/does not count towards RAI score

CEA is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

<b>Computer Integrated Manufacturing (CIM) (DMACC Concurrent Credit)</b>	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Introduction to Engineering Design OR Principles of Engineering	Type of Course: Elective
Offered to grades: 10-12th	Other: 3 DMACC Credits- EGT 450 (Spring) Not NCAA eligible/does not count towards RAI score

A course that applies principles of robotics and automation Computer Aided Design (CAD) design. This course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use Computer Numerical Control (CNC) equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included. Computer Integrated Manufacturing is abbreviated CIM. A computer automated system in which individual engineering, production, marketing, and support functions of a manufacturing enterprise are organized; functional areas such as design, analysis, planning, purchasing, cost accounting, inventory control, and distribution are linked through the computer with factory floor functions such as materials handling and management, providing direct control and monitoring of all process operations.

**Digital Electronics (DE)**  
**(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Introduction to Engineering Design OR Principles of Engineering	Type of Course: Elective
Offered to grades: 10-12th	Other: 3 DMACC Credits- EGT 420 (Spring) Not NCAA eligible/does not count towards RAI score

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. The major focus of the course is to expose students to the design process of logic design, teamwork, communication methods, engineering standards, and technical documentation. No previous knowledge in electronics is needed.

**Introduction to Engineering Design (IED)**  
**(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Completion or currently enrolled in Algebra I (DMACC requirement)	Type of Course: Elective
Offered to grades: 9-12th	Other: 3 DMACC Credits- EGT 400 (Spring) Not NCAA eligible/does not count towards RAI score

Introduction to Engineering Design is a course for students interested in design and engineering or a technical career. The major focus of the IED course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. IED gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through problem-based learning. Students should have a strong math background and show interest in science, technology, engineering or math (STEM).

**Principles of Engineering (POE)**  
**(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Introduction to Engineering Design, completion of Algebra 2 or Geometry recommended	Type of Course: Elective
Offered to grades: 10-12th	Other: 3 DMACC Credits- EGT 410 (Spring) Not NCAA eligible/does not count towards RAI score

POE is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.



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# MATHEMATICS



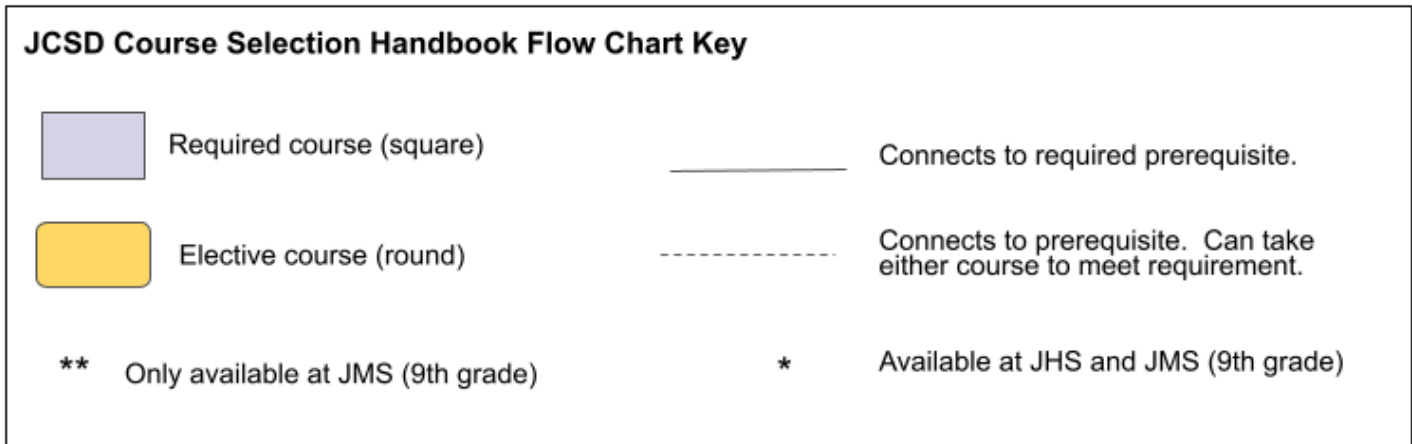
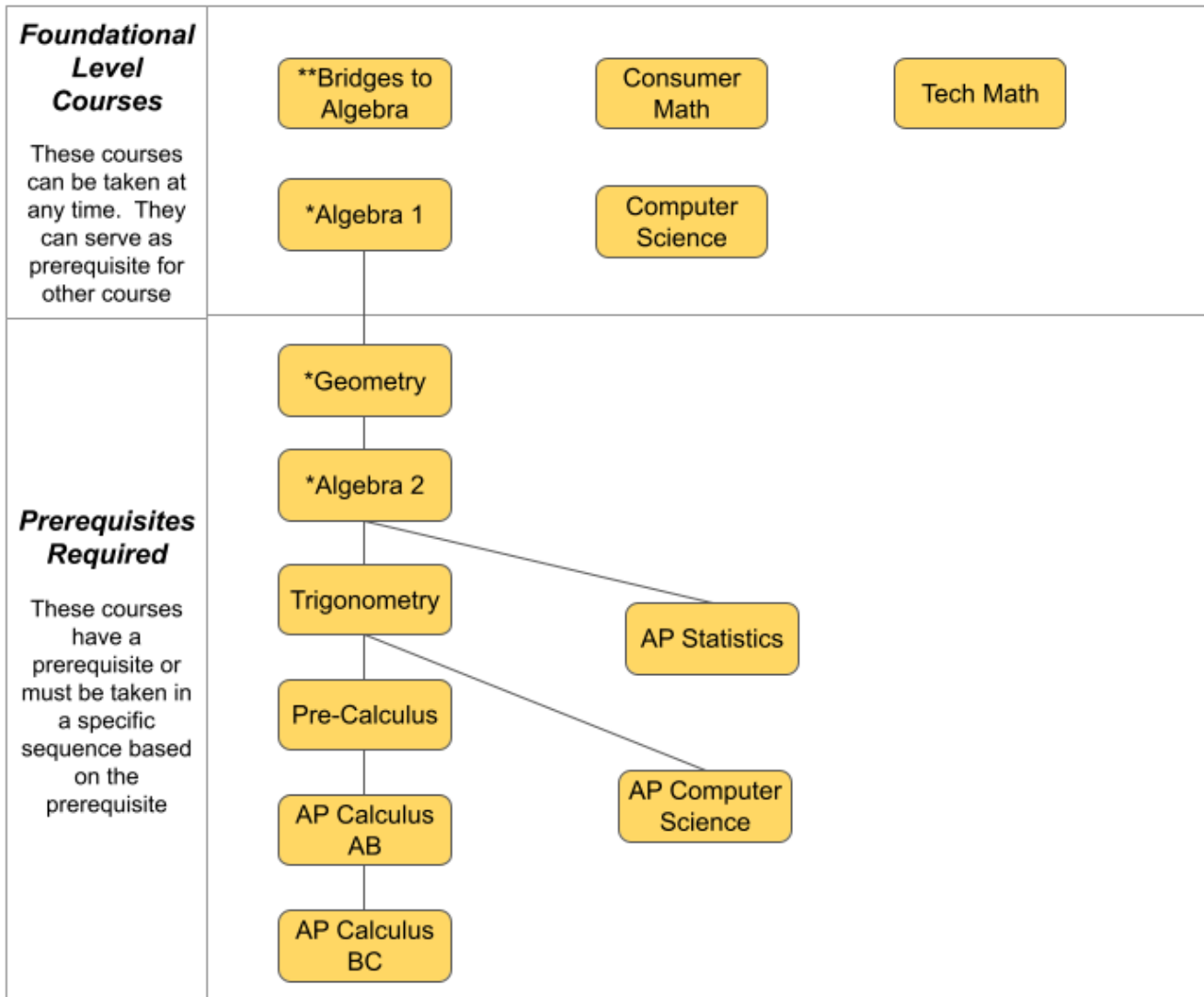
# MATHEMATICS

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
Algebra I	x	x	x	x		x	1.0	Yes	Yes	No
Algebra 2 (9th)	x					x	1.0	Yes	Yes	Yes
Algebra 2		x	x	x	X block		1.0	Yes	Yes	Yes
AP Calculus AB (DMACC Concurrent Credit)		x	x	x	X block		1.0	Yes	Yes	Yes
AP Calculus BC			x	x	X block		1.0	Yes	Yes	Yes
AP Computer Science A (DMACC Concurrent Credit)			x	x		x	1.0	No	No	Yes
AP Statistics (DMACC Concurrent Credit)		x	x	x	X block		1.0	Yes	Yes	Yes
Bridges to Algebra	x					x	1.0	No	No	Yes
Computer Science (DMACC Concurrent Credit)		x	x	x	X block		1.0	No	No	Yes
Cybersecurity 1: Networking Fundamentals (DMACC Concurrent Credit)		x	x	x		x	1.0	?	?	No
Geometry	x	x	x	x		x	1.0	Yes	Yes	Yes
Pre-Calculus		x	x	x	X block		1.0	Yes	Yes	Yes
Tech Math		x	x	x	X block		1.0	No	No	Yes
Trigonometry		x	x	x	x		0.5	Yes	Yes	Yes

### WHICH CALCULATOR TO USE?

The use of graphing calculators is recommended or required in all math classes. Graphing calculators are available for use in the classroom or for checkout in the Library Media Center. The TI-NspireCX (not CAS), TI-83, TI-83+, TI-84, or TI-84+ are all PSAT, SAT, and ACT approved and will work in all classes at JHS. Speak to your math instructor with further questions.

**Math**  
**Course Selection Flowchart**  
*Graduation Requirement: 3.0 Credits*



Algebra 1	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Math Credit
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved

Concepts and skills are introduced algebraically, graphically, numerically, and verbally, often in the same lesson to help students make connections and to address diverse learning styles. Topics included in this course are: solving and graphing linear equations and inequalities, systems of equations and inequalities, properties of exponents, polynomials, and quadratic equations and functions.

Algebra 2	
Credit: 1.0	Length of Class: Yearlong (JMS)
Prerequisites: Geometry or Teacher Recommendation	Type of Course: Math Credit
Offered to grades: 9th	Other: Recommended for College Admission, NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-nspire CX)

The Algebra 2 course is offered at JMS as a single period- yearlong course-earning 1.0 credit. This option provides most of the material that could be seen on the ACT or SAT. Advanced Algebra, Functions, Linear and Quadratic Equations, Modeling, Polynomial, Radical, Exponential and Logarithmic Functions, and Rational Equations are the covered topics. This course is designed as the third year of math recommended by many colleges and universities.

Algebra 2 Block	
Credit: 1.0	Length of Class: One semester, blocked period at JHS
Prerequisites: Geometry or Teacher Recommendation	Type of Course: Math Credit
Offered to grades: 10-12th	Other: Recommended for College Admission, NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-nspire CX)

The Algebra 2 course is offered at JHS as a blocked (two period) - one semester course earning 1.0 credit. This course provides most of the material that could be seen on the ACT or SAT. Advanced Algebra, Functions, Linear and Quadratic Equations, Modeling, Polynomial, Radical, Exponential and Logarithmic Functions, and Rational Equations are the covered topics. This course is designed as the third year of math recommended by many colleges and universities.

**AP Calculus AB**  
(DMACC Concurrent Credit)

Credit: 1.0	Length of Class: One semester blocked period
Prerequisites: Pre-Calculus (recommended B grade or better);	Type of Course: Math Credit
Offered to grades: 10-12th	Other: 5 DMACC Credits- MAT 211 NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-Nspire CX)

Advanced Placement Calculus AB is a course designed to fulfill the requirements of a college first semester Calculus Course. Topics that are covered include; polynomials, special functions, transcendental functions, limits, continuity, derivatives, and definite integrals. The course is intended for advanced high school mathematics students who are willing to devote the energy necessary to complete a course more rigorous and demanding than other high school mathematics courses.

**AP Calculus BC**

Credit: 1.0	Length of Class: One semester blocked period
Prerequisites: AP Calculus AB (recommended grade B or better)	Type of Course: Math Credit
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-Nspire CX)

Advanced Placement Calculus BC is a course designed to fulfill the requirements of a college second semester calculus course. Among topics that are covered are: indefinite integrals, hyperbolic functions, series and sequences, polynomial approximations, and Taylor series. The course is intended for advanced high school mathematics students who are willing to devote the energy necessary to complete a course which builds upon the principles of AP Calculus AB.

This course will prepare students for taking the Advanced Placement Examination in Calculus BC. Although not required, it is expected that students will participate in that exam.

**AP Computer Science A  
(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Passed or currently enrolled in Trigonometry	Type of Course: Math Credit
Offered to grades: 10-12th	Other: 3 DMACC Credits: CIS 171 (Spring) Not NCAA eligible/does not count towards RAI score Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-Nspire CX)

AP Computer Science A is both a course for potential science majors and a foundation course for students planning to study in other technical fields such as engineering, physics, chemistry, and geology. The course emphasizes programming methodology, procedural abstraction, and in-depth study of algorithms, data structures, and data abstractions, as well as a structured lab component consisting of a minimum of 20 hours of hands-on lab experiences integrated throughout the course. Instruction includes preparation for the AP Computer Science A Exam. Students should leave class with a clear understanding of Java and the ability to adapt to any new programming language that they are taught in college.

While this class meets the JHS math graduation requirements, it may not be accepted as a MATH credit by colleges or the NCAA Clearinghouse.

**AP Statistics  
(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: One semester blocked period
Prerequisites: Algebra II (recommended B or better)	Type of Course: Math Credit
Offered to grades: 10-12th	Other: 3 DMACC Credits- MAT 156 NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-Nspire CX)

The AP Statistics course is an excellent option for any secondary school student who possesses sufficient mathematical maturity and quantitative reasoning ability, and who has a desire to investigate statistical analysis of data. The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Observing patterns and departures from patterns.
2. Planning a Study: Deciding what and how to measure.
3. Anticipating Patterns: Producing models using probability theory and simulation.
4. Statistical Inference: Confirming models.

Students who participate in the AP Statistics course are expected, but not required, to take the AP Statistics exam.

Bridges to Algebra	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Recommended by Staff	Type of Course: Math Credit
Offered to grades: 9th	Required Materials: basic scientific calculator (non-graphing) Not NCAA eligible/does not count towards RAI score

Concepts and skills developed during this course which would enable students to be prepared for Algebra. Topics included in this course develop skills with solving and graphing linear equations and inequalities, systems of equations and inequalities, properties of exponents, polynomials, and quadratic equations and functions.

Computer Science (DMACC Concurrent Credit)	
Credit: 1.0	Length of Class: One semester blocked period
Prerequisites: None	Type of Course: Math Credit
Offered to grades: 10-12th	Other: 3 DMACC Credits: CIS125; Not NCAA eligible/does not count towards RAI score

Designed to appeal to all students, this course provides a firm foundation in problem-solving methods in computer programming and facilitates the development of good structured programming skills for solving problems and creating small apps and games. Students will define and analyze problems, design computer solution algorithms and prove the correctness of the solution.

Cybersecurity 1: Networking Fundamentals (DMACC Concurrent Credit)	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: none	Type of Course: Math Credit
Offered to grades: 10-12th	Other: 4 DMACC Credits: NET484 (Spring) Not NCAA eligible/does not count towards RAI score

This is a full-year high school course that covers the fundamentals of networking. It is equivalent to a college-level Introduction to Networking course. The course interweaves essential networking concepts with relevant, hands-on problem-solving activities to maximize students' understanding of network hardware and configuration, the use of protocols to enable reliable and accurate transmission of data between different hosts around the world, and relevant security practices that secure the transmission of data both within and between computer networks.

Geometry	
Credit: 1.0	Length of Class: 9th-12th Yearlong
Prerequisites: Algebra 1	Type of Course: Math Credit
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-Nspire CX)

The concept of proof is introduced in a variety of formats including two columns, paragraph, and indirect forms. Students learn to value the need to think logically and present ideas in a logical order. Traditional geometry concepts and logical reasoning are emphasized throughout while measurement and applications are integrated to motivate students via real-world connections.

Algebra is reviewed and integrated throughout the course. Skills are reviewed at point-of-use, ensuring students maintain these skills. Algebra integration within coordinate geometry topics are addressed in this course.

Pre-Calculus	
Credit: 1.0	Length of Class: One semester blocked period
Prerequisites: Trigonometry	Type of Course: Math Credit
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved Required Materials: Graphing Calculator (TI-83, 83+, 84, 84+or TI-Nspire CX)

This course continues the development of critical thinking and problem-solving skills. The concepts covered include advanced work with trigonometric functions and formulas, conic sections, probability, exponential and logarithmic functions, modeling data, and an introduction to derivatives and integrals. This course is designed to prepare students for college mathematics and /or technical fields of training.

Tech Math	
Credit: 1.0	Length of Class: One semester blocked period
Prerequisites: Algebra 1 (recommended C grade or better)	Type of Course: Math Credit
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score Required Materials: Scientific or Graphing Calculator

The content of the course includes elementary mathematical skills for technicians. Topics covered include fundamental operations with whole numbers, fractions, decimals, and signed numbers, percentages, geometric figures and basic constructions, area and volume formulas, English/Metric systems, measurements, and the interpretations of graphs and charts. This course is modeled after a prerequisite to any of the Vocational Programs at DMACC.



Trigonometry	
Credit: 0.5 credit	Length of Class: One semester
Prerequisites: Algebra 2	Type of Course: Math Credit
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved Required Materials: Scientific or Graphing Calculator

Trigonometry, helps students develop skills sufficiently to write and use the definition of trigonometric functions; sketch the graph of trigonometric functions; prove identities; solve trigonometric equations; learn and then apply the law of the sines and cosines. This course prepares students for Pre-Calculus and other advanced courses in mathematics. Students will learn to value the need to think critically and communicate their reasoning in logical order.

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# MUSIC

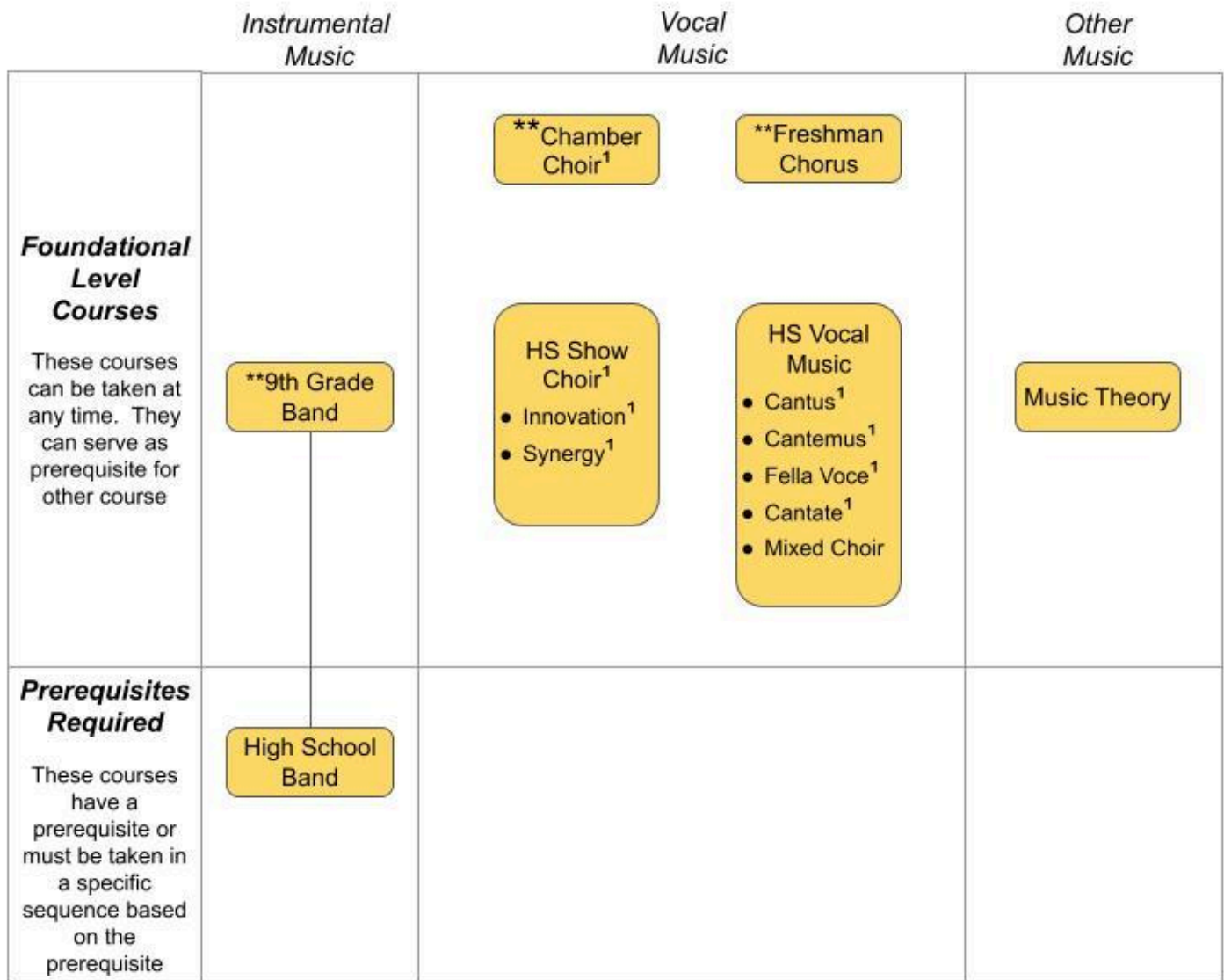


# MUSIC

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
Music Theory			x	x	x		0.5	No	No	No*
<b>INSTRUMENTAL MUSIC</b>										
9th Grade Band	x					x	1.0	No	No	Yes
High School Band		x	x	x		x	1.0	No	No	Yes
<b>VOCAL MUSIC - 9th Grade Only</b>										
Chamber Choir	x					x	1.0	No	No	Yes
Freshman Chorus	x					x	1.0	No	No	No
<b>VOCAL MUSIC</b>										
<b>CONCERT CHOIRS</b> <ul style="list-style-type: none"> <li>• Cantus Chamber Choir</li> <li>• Cantemus Chamber Choir</li> <li>• Fella Voce Bass Clef Choir</li> <li>• Cantate Women's Choir</li> </ul>		x	x	x		x	1.0	No	No	Yes
Mixed Chorus		x	x	x		x	0.5	No	No	No
Show Choir - Innovation or Synergy		x	x	x		x	0.5	No	No	Yes

NOTE: Uniform/equipment fee is associated with several band and vocal music classes, info in descriptions

## Instrumental and Vocal Music Course Selection Flowchart



**JCSD Course Selection Handbook Flow Chart Key**

Required course (square)

Elective course (round)

**\*\*** Only available at JMS (9th grade)

\_\_\_\_\_ Connects to required prerequisite.

**1** Available by audition only

## INSTRUMENTAL MUSIC

### 9th Grade Band

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Successful completion of 8th grade band or with director approval	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score Fees: Only if student needs to rent an instrument from school

Students collaborate to rehearse and perform a variety of band repertoire representing different genres and historical periods. Students perform in three concerts per year; other optional enrichment opportunities (jazz band, solo and ensemble festival, etc.) are also offered for interested students. Successful completion of 8th grade band or director approval is required to enroll in 9th grade band. Students rehearse during class; that is, they work to refine their skills and music for upcoming performances. Students will become life-long consumers of music, will make life-long friends, and will gain life-long insights into the “Power of One,” dedication, commitment, and work ethic. Most importantly, students will discover the impact of music upon their lives and those with whom they share their music.

### High School Band

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Successful completion of 9th grade band or with director approval	Type of Course: Elective
Offered to grades: 10-12 <sup>th</sup>	Other: Not NCAA eligible/does not count towards RAI score Fees: \$50 Course fee covers uniform, gloves, shoes, etc.

The JHS band program provides an opportunity for the study of music in various forms and styles for qualified instrumentalists. Instrumental music commences with marching band in the fall. Composed of all members of the band program, the marching band season starts with Monday night rehearsals starting at the end of June through July. The marching band starts meeting Monday through Friday at the beginning of August. The marching band meets daily at 7 a.m. during the first nine weeks of school and rehearses through the first period. Participation includes a handful of Saturday commitments. The marching band represents the JHS Dragons at all home football games and maintains an active and diverse fall marching competition schedule.

The core of the program, concert band, begins at the conclusion of marching season. Students are placed into one of three concert bands through an audition process that takes place in the spring of the preceding school year. In addition to three home concerts, the bands participate in festivals outside of the district throughout the year.

The high school band department also operates three extracurricular jazz bands. These bands meet at 7 a.m. in the morning beginning at the conclusion of the marching band season. Students must be enrolled in the band course in order to be eligible for jazz band as outlined by the Iowa High School Music Association.

Students may not take band second semester if they have not successfully completed the first semester.

## VOCAL MUSIC

**All students wishing to participate in choir at JHS should request “MIXED CHORUS” when requesting courses and your counselor will hand place you in your assigned choir after auditions.**

### Chamber Choir - 9th Grade

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Audition and member of Freshman Chorus	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

9th grade Chamber Choir is an auditioned group of 9th grade students. This choir provides students the opportunity to sing more difficult accompanied and a cappella music. This select ensemble will explore and perform a variety of music in addition to gaining a greater understanding of the advanced vocal techniques for the mixed ensemble. Chamber Choir will perform in three concert events during the year and will perform at the JHS Madrigal Concert and other community events. Auditions for this class will occur during the spring semester prior to 9th grade.

### Freshman Chorus

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

Students will sing in a mixed choir and treble clef and bass clef choir setting, allowing students to vocally prepare for their future. Students will learn vocal fundamentals concentrating on skills such as correct breathing techniques, vowel modification, diction and communication and performance techniques. Solfege syllables and hand-signs will be used to enhance sight-reading skills and improve part-singing. Students will participate in three concerts performing a varied repertoire of songs. In addition to preparing for 3 concerts a year, students are able to participate in Ensemble Festival, and other performances around the community. Not only will students develop their musical skills, they will learn to work as a team by using life skills on a daily basis.

### High School Show Choir

#### Innovation and Synergy

Credit: 0.5	Length of Class: Yearlong, alternate days
Prerequisites: Audition required	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/Not RAI approved Fees: Costume Fees + additional items as needed

The JHS Vocal Music Program offers three show choirs to students interested in singing, dancing, and performing. Show Choirs compete in various show choir competitions in January, February and March and present multiple other Community performances throughout the year. Students are placed into one of the Show Choir ensembles through a singing and choreography audition process that takes place in the spring of the preceding school year. JHS Show Choirs include Innovation (Varsity), Synergy (Prep), Bella Voce (Treble Clef), and Sound Advice (9th Grade). Innovation and Synergy rehearse during the school day, on Monday evenings and additional rehearsals as necessary. Innovation and Synergy are Co-curricular ensembles and receive half a credit per semester. Bella Voce and Sound Advice rehearse outside of the school day. No credit is given for Bella Voce Show Choir or Sound Advice.

## VOCAL MUSIC

**All students wishing to participate in choir at JHS should request “MIXED CHORUS” when requesting courses and your counselor will hand place you in your assigned choir after auditions.**

### High School Vocal Music

Credit: 1.0 (Everyday) 0.5 (Alternate Days)	Length of Class: Yearlong
Prerequisites: Audition required – except for Mixed Chorus	Type of Course: Elective
Offered to grades: 10-12th	Other: Not NCAA eligible/Not RAI approved Fees: \$30 course fee covers cleaning of concert attire (dresses and tuxedos)

The JHS Vocal Music Program offers the serious musician the challenge of performing a varied selection of repertoire from differing styles and time periods. Vocal technique and sight reading skills are emphasized in class along with becoming a well-rounded and life-long musician. The JHS Vocal Music Program offers five Curricular Choirs – four of which are auditioned ensembles and one that is not. Auditioned ensembles include Cantus, Cantemus, Fella Voce Bass Clef Choir & Cantate Treble Clef Choir. Auditioned ensembles perform at three concerts each year along with the Madrigal performance each fall. Auditioned ensembles may also perform at the State Large Group Contest in May. Students are placed into one of the auditioned ensembles through an audition process that takes place in the spring of the preceding school year. Mixed Choir is the non-auditioned ensemble and performs twice during the school year.

### Music Theory

Credit: 0.5	Length of Class: One semester
Prerequisites: None* ( <i>see below</i> )	Type of Course: Elective
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score

Music theory is an elective course designed with the college bound musician in mind. Counterpoint, dictation, music history and composition will be explored in detail. This course is a must for any prospective music majors and/or minor.

*\*Students should be able to comfortably read music notation on a staff before enrolling for the course.*

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# PE & HEALTH



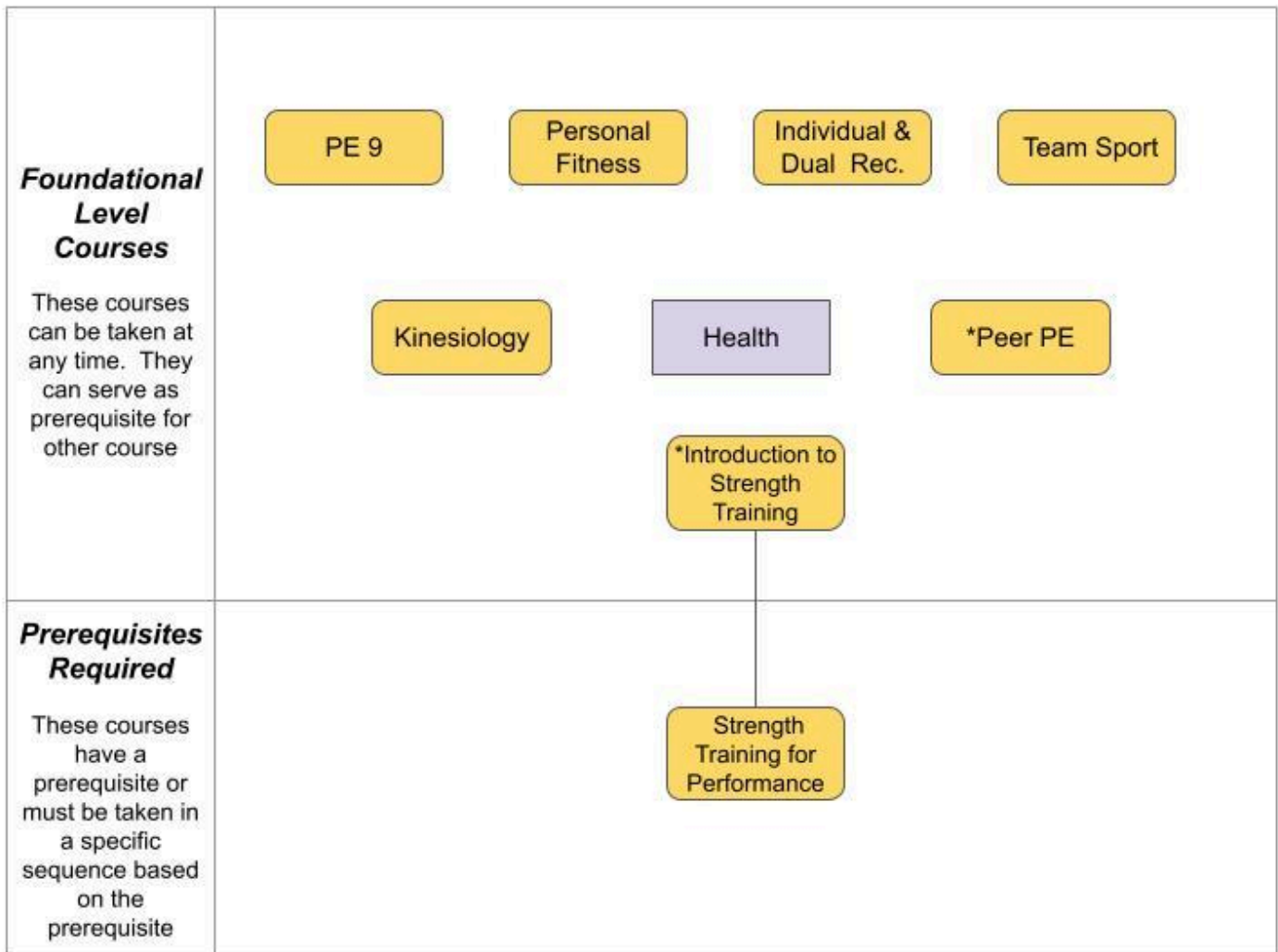


## PE & HEALTH

Course Title	Offered to students in:				Class Length:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
P.E. 9	x					x	0.5	No	No	No
Health		x	x	x	x		0.5	No	No	No
Individual/Personal Fitness		x	x	x	x		0.5	No	No	No
Individual/Dual Recreation Activities		x	x	x	x		0.5	No	No	No
Team Games/ Activities & Sports		x	x	x	x		0.5	No	No	No
Intro to Strength Training	x	x	x	x	x		0.5	No	No	No
Strength Training for Performance (DMACC Concurrent Credit)		x	x	x	x		0.5	No	No	Yes
Peer P.E.	x	x	x	x	x		0.25	No	No	No
Kinesiology of Strength & Conditional Training			x	x	x		0.5	No	No	No

*Note: A P.E. course that meets on an A Day or B Day will receive .25 credit per semester. A P.E. course that meets everyday will receive .5 credit per semester.*

**PE and Health**  
**Course Selection Flowchart**  
*Graduation Requirement: 1 P.E. class/exemption per year*



**JCSD Course Selection Handbook Flow Chart Key**

	Required course (square)		Connects to required prerequisite.
	Elective course (round)		Connects to prerequisite. Can take either course to meet requirement.
**	Only available at JMS (9th grade)	*	Available at JHS and JMS (9th grade)

P.E. 9	
Credit: 0.5	Length of Class: Yearlong - meets alternate days
Prerequisites: None	Type of Course: Required for Graduation
Offered to grades: 9th	Other: Not NCAA eligible/does not count towards RAI score

P.E. 9 is a functional fitness based physical education program that provides students opportunities to explore fitness in a way that will give them lifelong health. The course incorporates games into the program to encourage all varieties of students to participate in physical activity.

Health	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Required for Graduation
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

The Health Triangle is made up of our family/social, mental/emotional and physical health. This is the basis of developing a balanced healthy life. This course will discuss the critical issues to allow students to gain valuable knowledge needed to make informed health decisions. The course will cover the areas of personal health, nutrition & physical fitness, safety, social health, family life, substance abuse, communicable and noncommunicable disease, emotional health, sexually transmitted infections, HIV/AIDS, and human sexuality. CPR (Cardiopulmonary Resuscitation) exposure has been mandated by the state and is included in the curriculum.

Individual/Personal Fitness	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: PE Credit
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

This course will provide you an opportunity to learn a variety of noncompetitive exercise methods and activities that will help maintain and/or improve your fitness level. Course emphasis is on regular, safe exercise in an individual or small group setting, to promote healthy lifestyles.

Activities may include: Yoga, Fitness Center, Just Dance Wii, Kickboxing, Self-Defense, Pilates, Creating your own workouts.

Individual/Dual Recreation Activities	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: PE Credit
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

This course will provide you an opportunity to learn a variety of movement, fitness and sport activities. Emphasis will be placed on learning and enhancing technique and skills in selected activities in individual or small group settings. Activities may include: tennis, archery, table tennis, badminton, pickleball, kickboxing, golf.

## Team Games/Activities & Sports

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: PE Credit
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

This course will provide you an opportunity to learn a variety of movement, fitness and sport activities. Emphasis will be placed on learning and enhancing technique and skills in selected activities in a group or team setting. Activities may include: flag football, volleyball, basketball, ultimate frisbee, floor hockey.

## Intro to Strength Training

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: PE Credit
Offered to grades: 9-12th	Other: Not NCAA eligible/does not count towards RAI score

This course will provide you an opportunity to learn and develop basic skills in resistance training and weight training to improve muscular fitness and overall health. Emphasis will be placed on proper weight lifting skill and technique, as well as, information on the basic principles of improving muscular strength, endurance, cardiovascular health and physical fitness. Additionally, this course is closely aligned with the Johnston Strength and Conditioning Program.

## Strength Training for Performance (DMACC Concurrent Credit)

Credit: 0.5	Length of Class: One semester
Prerequisites: Successful completion of one semester of Intro to Strength Training or teacher recommendation	Type of Course: PE Credit
Offered to grades: 10-12th	Other: Not NCAA eligible/does not count towards RAI score

This course will provide you an opportunity to learn how to improve your level of physical performance through strength training. Activities focus on several advanced methods of achieving, improving and maintaining muscular strength, muscular power and speed. Emphasis will be on free weight training, and plyometric training. Additionally, this course is closely aligned with the Johnston Strength and Conditioning Program.

Peer PE	
Credit: 0.25	Length of Class: One semester (meets alternate days)
Prerequisites: None	Type of Course: PE Credit
Offered to grades: 9 -12th pending teacher approval	Other: Not NCAA eligible/does not count towards RAI score

As a peer coach you will be assisting special needs students in a physical education class. Emphasis in this course will be placed on assisting and aiding the special needs students during modified physical activities and games.

Kinesiology of Strength & Conditioning Training	
Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Health Elective Credit
Offered to grades: 11-12th	Other: Not NCAA eligible/does not count towards RAI score *Does not count towards JHS Health class requirement for Chapter 12.*

This course will examine the scientific nature of strength/conditioning and sports from a physiological, neurological, biomechanical, and bioenergetic perspective. The course also addresses the science behind various forms of training and exercise program development.

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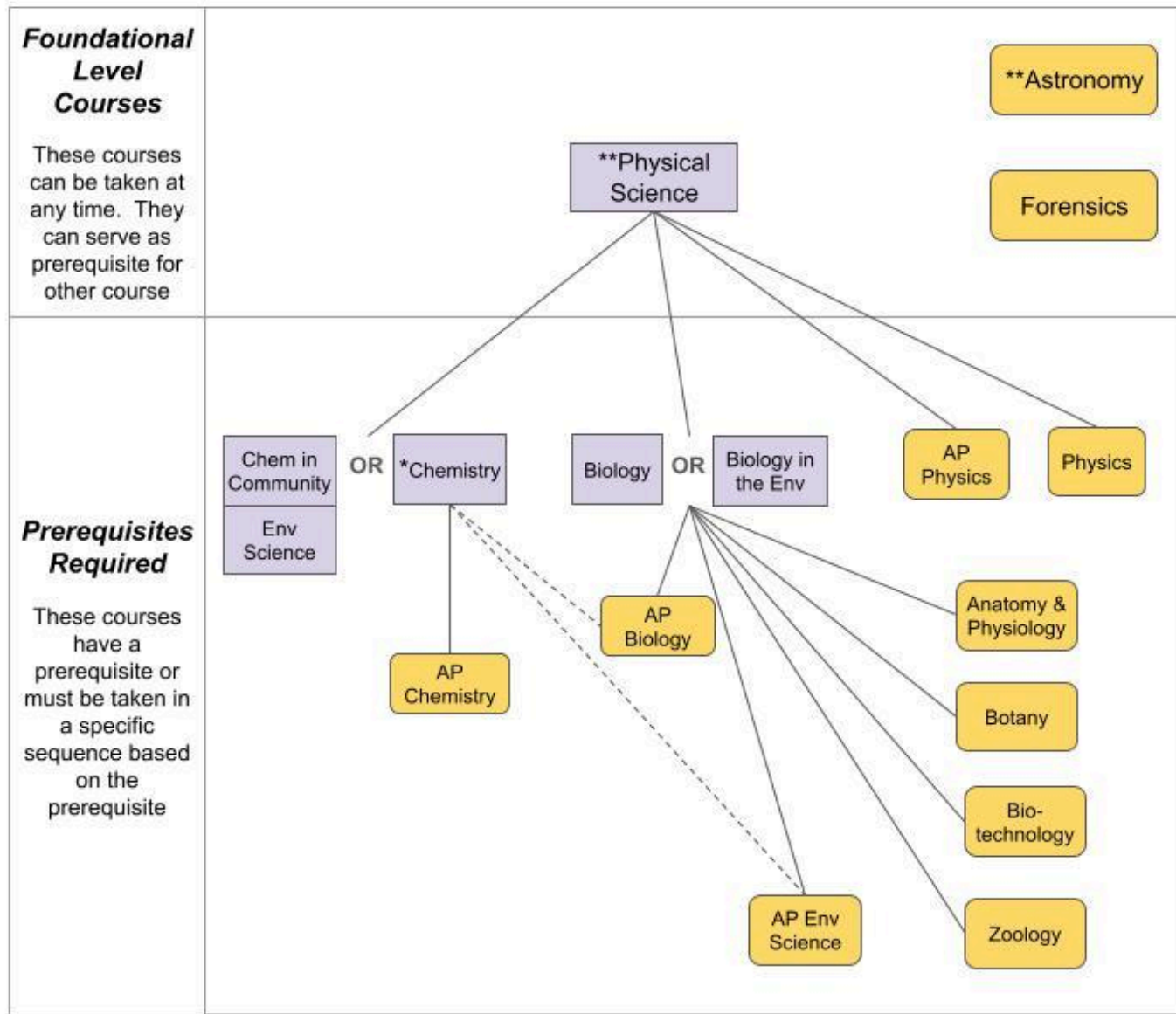
# SCIENCE



# SCIENCE

Course Title	Offered to students in:				Class Lengths:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
Anatomy & Physiology (DMACC Concurrent Credit)			x	x		x	1.0	Yes	Yes	Yes
AP Biology (DMACC Concurrent Credit)		x	x	x		x	1.0	Yes	Yes	Yes
AP Chemistry		x	x	x		x	1.0	Yes	Yes	Yes
AP Environmental Science (DMACC Concurrent Credit)		x	x	x		x	1.0	Yes	Yes	Yes
AP Physics: C Mechanics		x	x	x		x	1.0	Yes	Yes	Yes
Astronomy	x				x		0.5	No	Yes	No
Biology		x	x	x		x	1.0	Yes	Yes	Yes
Biology in the Environment		x	x	x		x	1.0	Yes	Yes	Yes
Biotechnology		x	x	x	x		0.5	Yes	Yes	Yes
Botany		x	x	x	x		0.5	Yes	Yes	Yes
Chemistry	x	x	x	x		x	1.0	Yes	Yes	Yes
Chemistry in the Community		x	x	x	x		0.5	Yes	Yes	Yes
Environmental Science		x	x	x	x		0.5	Yes	Yes	Yes
Forensic Science		x	x	x	x		0.5	Yes	Yes	No
Physical Science	x					x	1.0	Yes	Yes	No
Physics		x	x	x		x	1.0	Yes	Yes	Yes
Zoology		x	x	x	x		0.5	Yes	Yes	Yes

# Science Course Selection Flowchart Graduation Requirement: 3.0 Credits



**JCSD Course Selection Handbook Flow Chart Key**

<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="width: 20px; height: 20px; background-color: #d9d9e3; border: 1px solid black; margin-right: 5px;"></div> <span>Required course (square)</span> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="width: 20px; height: 20px; background-color: #fff9c4; border: 1px solid black; margin-right: 5px;"></div> <span>Elective course (round)</span> </div>	<div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border-top: 1px dashed black; width: 20px; height: 1px; margin-right: 5px;"></div> <span>Connects to prerequisite course that is strongly recommended</span> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="border-top: 1px solid black; width: 20px; height: 1px; margin-right: 5px;"></div> <span>Connects to required prerequisite.</span> </div>
<p>** Only available at JMS (9th grade)</p>	<p>* Available at JHS and JMS (9th grade)</p>



## Sample Science Pathways

Students must have three credits of science to meet the graduation requirement. These credits must include content in the following themes:

- Physical Science (Chemistry and Physics)
- Earth Science
- Biological Science

The following pathways demonstrate possible sequences of science classes students may take to meet these requirements.

Students are able to double up science courses in the same school year to accelerate their learning or take science elective credits at the same time as their required courses.

<b>Pathway 1</b>	<b>Pathway 2</b>	<b>Pathway 3</b>
<p>For students taking Physical Science as a 9th grader.</p> <p>This pathway meets the graduation requirement for science. Some college majors may require a full year of chemistry offered in Pathway 2 or 3.</p>	<p>For students taking Physical Science as a 9th grader.</p> <p>Prepares students for future AP science courses.</p> <p>Recommended for students who are planning on attending a 4-year university.</p>	<p>For students taking the accelerated science pathway beginning in 8th grade.</p> <p>Prepares students for future AP science courses.</p> <p>Recommended for students who are interested in STEM careers.</p>
<p><b>8th grade:</b> Integrated Science</p> <p><b>9th grade:</b> Physical Science</p> <p><b>10th grade:</b> Chemistry in the Community <b>AND</b> Environmental Science</p> <p><b>11th grade:</b> Biology</p> <p><b>12th grade (optional):</b> Physics and Electives</p>	<p><b>8th grade:</b> Integrated Science</p> <p><b>9th grade:</b> Physical Science</p> <p><b>10th grade:</b> Chemistry <b>OR</b> Biology in the Environment</p> <p>This choice depends on student interest and math readiness (Algebra 1 is recommended for Chemistry)</p> <p><b>11th grade:</b> Chemistry <b>OR</b> Biology in the Environment</p> <p><b>12th grade (recommended):</b> Physics AP Courses and Electives</p>	<p><b>8th grade:</b> Physical Science</p> <p><b>9th grade:</b> Chemistry</p> <p><b>10th grade:</b> Biology in the Environment</p> <p><b>11th grade (recommended):</b> Physics or AP Physics</p> <p><b>12th grade (recommended):</b> AP Courses and Electives</p>

**Anatomy and Physiology  
(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Grade of C or better in HS Biology and Fall Anatomy & Physiology to take Spring	Type of Course: Science Credit - does not fulfill a required theme
Offered to grades: 11-12th	Other: 8 DMACC Credits: Bio 168 (Fall), Bio 173 (Spring)/ NCAA eligible/RAI approved

Anatomy and Physiology is a rigorous lecture-laboratory class studying the mammalian body with emphasis on structure and function, diseases, and metabolic processes. Laboratory work is required for this course and includes, but is not limited to, discussions. This course is recommended for students interested in careers in health-related fields or for students wanting a higher level of knowledge of the human body. This class may not replace Chemistry or Physics in the eyes of college admission reviews.

**AP Biology  
(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Biology in the Environment or conference with instructor	Type of Course: Science Credit - Fulfills Biological Science Theme
Offered to grades: 11-12th	Other: 4 DMACC Credits: BIO 112 (Spring); NCAA eligible/RAI approved

The two main goals of AP Biology are to help students develop a conceptual framework for modern biology to help students gain an appreciation of science as a process. The ongoing information explosion in biology makes these goals even more challenging. Primary emphasis in an Advanced Placement Biology course should be developing an understanding of concepts rather than memorizing terms and technical details. Essential to this conceptual understanding are the following: recognition of unifying themes that integrate the major topics of biology, application of biological knowledge in inquiry-based labs, and think critically about environmental and social concerns. In addition, students will use statistical methods to analyze data collected in experiments.

AP Chemistry	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Algebra 2, Trigonometry <b>and</b> Chemistry are recommended	Type of Course: Science Credit - Fulfills Physical Science Theme (Chemistry)
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved Calculator Recommended - TI30XIIS or graphing calculator

Students will work diligently inside and outside of class to develop critical thinking, problem solving, data analysis and communication skills. Emphasis will be placed on understanding scientific models that will help students understand basic and advanced Chemistry concepts and their applications in everyday life. Units of study include: atomic molecular theory, structure of matter, chemical reactions, reaction kinetics, kinetic theory of gases, acids and base chemistry, chemical equilibrium, thermodynamics and electrochemistry. This course will cover many similar concepts covered in a college-level first semester course. This course will cover many similar concepts as general Chemistry, but operate at an accelerated pace and go into greater detail both mathematically and conceptually, in addition to several topics that are not covered in general Chemistry.

AP Environmental Science (DMACC Concurrent Credit)	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Chemistry and Biology are recommended	Type of Course: Science Credit - Fulfills Biological Science Theme
Offered to grades: 11-12th	Other: 4 DMACC Credits- ENV 115 (Spring), ENV 116 (Spring) NCAA eligible/RAI approved

AP Environmental Science is a course that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems both natural and human-made, and to examine solutions for resolving or preventing them. Course content builds on concepts learned in biology and chemistry so experience in these courses is highly recommended. Course content includes ecosystems, populations, water quality, waste, climate change, agriculture and conservation. Students will be driving to off-site lab locations.

## AP Physics: C Mechanics

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Enrollment in or completed Calculus AB	Type of Course: Science Credit - Does not fulfill a Theme
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

Students will work diligently inside and outside of class to develop critical thinking, problem solving, data analysis, and communication skills. Emphasis will be placed on creating models that will help the students understand basic and advanced concepts of physics and applications in everyday life. Units of study include: kinematics; Newton's laws of motion (including circular motion); work, energy and power; systems of particles and linear momentum; rotation; and oscillations and gravitation. This course is designed to address the concepts covered in a college-level first semester calculus-based mechanics physics course. This course will cover many similar concepts as general Physics, but operate at an accelerated pace and go into greater detail both mathematically and conceptually, in addition to several topics that are not covered in general Physics.

## Astronomy

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Elective - does not fulfill a Theme
Offered to grades: 9th	Other: Does NOT fulfill required credit for Science. Not NCAA eligible/RAI approved

In this course, you will learn about the universe you live in, the objects we find there, and some of the natural laws that govern those objects. Students will create computer simulations, activities, and projects. Students who are interested in science will enjoy taking this class. This class will provide experience in project based learning, and presenting information.

## Biology

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Physical Science	Type of Course: Science Credit - Fulfills Biological Science Theme
Offered to grades: 10-12th	Other: Recommended for College Admission NCAA eligible/RAI approved

The biological science curriculum stresses the development of critical reasoning. Central ideas in life science are presented in unifying themes that help students understand the larger significance of details they are learning. Other selected themes point out ways of approaching science, important biological principles, and technological changes in biology.

## Biology in the Environment (BITE)

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Physical Science or Teacher recommendation	Type of Course: Science Credit - Fulfills Biological Science & Earth Science Theme
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

This course will focus on topics in biology and environmental science. The biology focus will include ecology, protein synthesis, genetic material involved with inheritance and variation of traits, and evolution. In addition, the themes of biodiversity and changes in Earth's systems will be integrated by investigating the current state of the environment, human impacts, and solutions to decrease human impact on biodiversity and Earth systems. Students will be expected to construct explanations, develop models, apply concepts of math and statistics to arguments and investigations, and develop and evaluate solutions.

## Biotechnology

Credit: 0.5	Length of Class: One semester
Prerequisites: Biology or Biology in the Environment	Type of Course: Science Credit - does not fulfill a Theme
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Biotechnology is defined as the use of living organisms to solve problems or make useful products. In this course, students will learn scientific principles of genetic engineering to conduct experiments, evaluate case studies and conduct debates. Example themes that will be explored in Biotechnology will include: research lab skills, DNA fingerprinting, DNA transformation, PCR, bioethics, bioinformatics and applications in agriculture. The students will gain valuable lab and research skills while exploring career options in the field of biotechnology.

## Botany

Credit: 0.5	Length of Class: One semester
Prerequisites: Enrolled in or completed Biology	Type of Course: Science Credit - does not fulfill a Theme
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Botany is an in-depth look at plant systems. Students will survey the diversity of plant life, learn about plant structures and life cycles, and discover the impact of plants on society. The course will also do work in the greenhouse and school garden. Students interested in the field of science or who have a desire to go into the DNR, landscaping, lawn care management, agriculture, or horticulture are encouraged to take this course.

Chemistry	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Physical Science; Algebra I recommended	Type of Course: Science Credit - Fulfills Physical Science Theme (Chemistry)
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved Calculator Recommended - TI30XIIS or graphing calculator

Chemistry offers students a general background in the basic concepts of chemistry. Emphasis will be placed on creating models that will facilitate student learning of the basic concepts of chemistry. Laboratory experiences will promote the development of problem solving, critical thinking, and collaboration skills as well as demonstrate the applications of chemistry in everyday life. Topics covered will include: matter, energy, and state of matter, atomic models, periodic table, and bonding, the mole concept, chemical reactions, stoichiometry, heat and temperature, intermolecular attractions and biological macromolecules, equilibrium reactions, and acid/base chemistry.

Chemistry in the Community	
Credit: 0.5	Length of Class: One semester
Prerequisites: Physical Science	Type of Course: Science Credit - Fulfills Physical Science Theme (Chemistry)
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Chemistry in the Community is a one-semester, lab-based course designed for students who at the moment do not plan to major in science and/or pursue a science-intensive related career. This course offers the student basic concepts of chemistry and emphasis will be placed on creating models that will facilitate student learning. Laboratory experiences will promote the development of problem solving, critical thinking, and collaboration skills as well as demonstrate the applications of chemistry in everyday life. Topics covered will include matter, energy, states of matter, mixtures, compounds, atomic models, periodic table, bonding, the mole concept, chemical reactions, heat, temperature, and equilibrium reactions. Students are encouraged to check preferred colleges to see if this course satisfies their admission requirements.

## Environmental Science

Credit: 0.5	Length of Class: One semester
Prerequisites: Physical Science	Type of Course: Science Credit - Fulfills Earth Science Theme
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Environmental Science is a rapidly emerging area of science concerning the ability of the Earth to sustain life. Course content focuses on the current state of the environment, human impacts to ecosystems, and solutions to decrease human impact on biodiversity and Earth systems. Students will be expected to construct explanations, develop models, and apply concepts of math and statistics to arguments and investigations.

## Forensic Science

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Science Credit - does not fulfill a Theme
Offered to grades: 10-12th	Other: NCAA eligible/ RAI approved

Forensic Science is a semester-long course that focuses on the collection, identification, and analysis of crime scene evidence. Laboratory exercises and activities will examine the diverse methods used by forensic scientists to link suspects and evidence to a given crime scene. The course will require students to apply their learning across many areas of science with an emphasis in developing skills in scientific reasoning, problem solving, critical thinking, communication, and collaboration.

## Physical Science

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Science Credit - Fulfills Physical Science Theme (Physics) & Earth Science Theme
Offered to grades: 9th	Other: NCAA eligible/RAI approved

The Physical Science course consists of three basic science units: Forces, Energy, and Waves. While integrating Earth Science concepts such as how water interacts with Earth's surfaces, how heat transfers affect Earth's plates. As well as the formation of solar systems, stars and the big bang theory. The course will include opportunities for students to develop lab, data analysis, and engineering skills. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings.

Physics	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Successful completion of Geometry	Type of Course: Science Credit - Does not fulfill a Theme
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Physics offers the student a general background in the basic concepts of physics. The course is designed to develop student's critical thinking skills. Emphasis will be placed on creating models that will help the student understand the basic concepts of physics and its applications in everyday life. The laboratory experiences will enable the student to develop critical thinking, reasoning, and problem-solving skills. Topics studied will include: motion, forces and energy and momentum.

Zoology	
Credit: 0.5	Length of Class: One semester
Prerequisites: Enrolled in or completed Biology or Biology in the Environment	Type of Course: Science Credit - Does not fulfill a Theme
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Zoology is an in-depth look at the major animal groups on our planet. The class will survey the diversity of animal life and learn about the structure of animal systems as well as the life cycles of these organisms. Students will have a chance to interact with and observe many of the animals being studied. This course is recommended for any student interested in the field of science or who are interested in animals. Those who have a desire to go into veterinary medicine, zoo keeping, animal caretaking or DNR are strongly encouraged to take this course.



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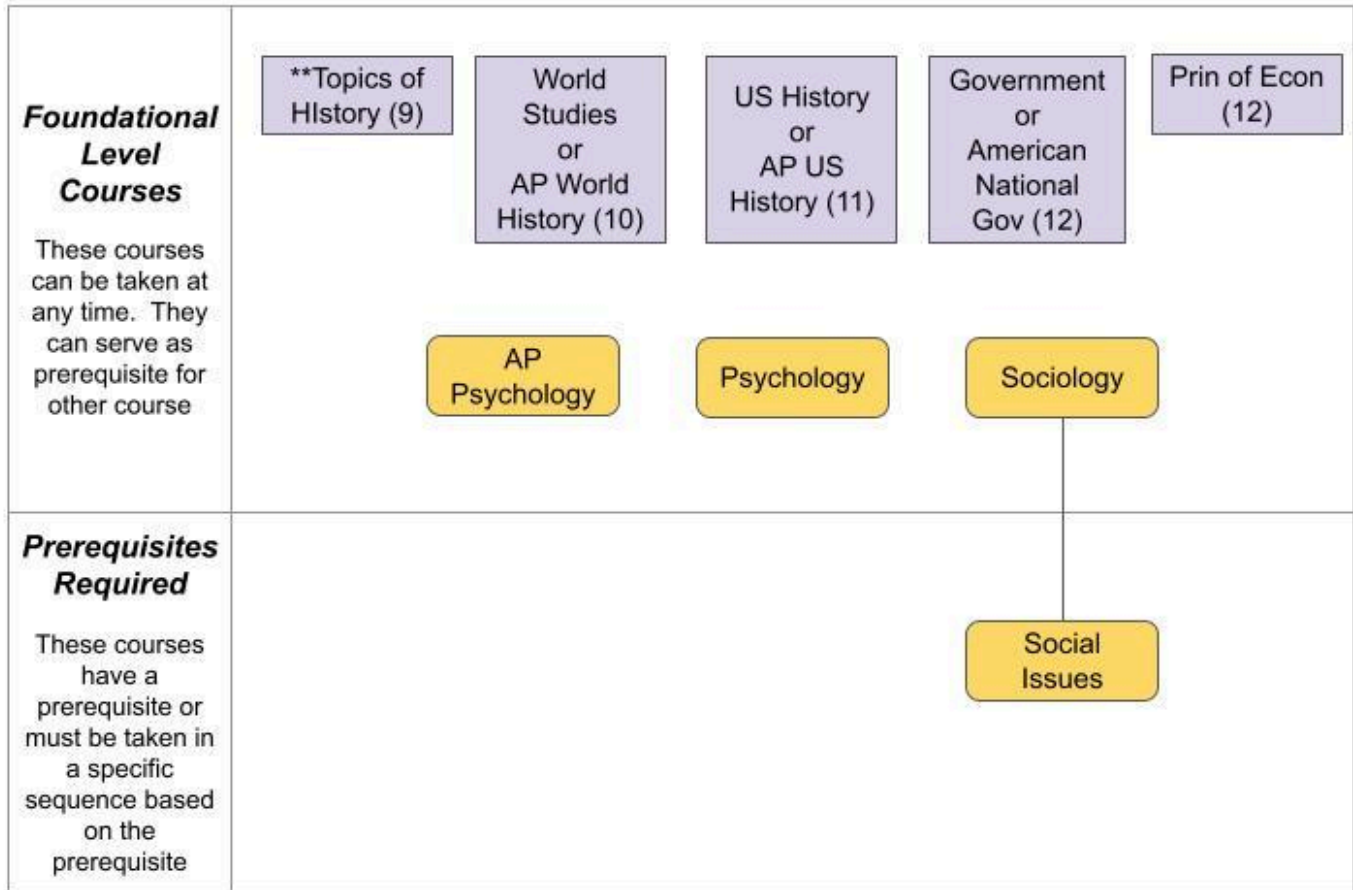
# SOCIAL STUDIES



## SOCIAL STUDIES

Course Title	Offered to students in:				Class Lengths:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
American Government				x	x		0.5	Yes	Yes	No
American National Government (DMACC Concurrent Credit)				x	x		0.5			No
AP Psychology (DMACC Concurrent Credit)				x		x	1.0	Yes	Yes	No
AP U.S. History (DMACC Concurrent Credit)			x	x		x	1.0	Yes	Yes	No
AP World History (DMACC Concurrent Credit)		x	x	x		x	1.0	Yes	Yes	No
Principles of Economics				x	x		0.5	Yes	Yes	No
Psychology		x	x	x	x		0.5	Yes	Yes	No
Social Issues		x	x	x	x		0.5	Yes	Yes	Yes
Sociology		x	x	x	x		0.5	Yes	Yes	No
Topics of History	x				x		0.5	Yes	Yes	No
U.S. History			x	x		x	1.0	Yes	Yes	No
World Studies		x				x	1.0	Yes	Yes	No

**Social Studies**  
**Course Selection Flowchart**  
*Graduation Requirement: 3.5 Credits*



**JCSD Course Selection Handbook Flow Chart Key**



Required course (square)



Connects to required prerequisite.



Elective course (round)



Connects to prerequisite. Can take either course to meet requirement.

**\*\*** Only available at JMS (9th grade)

**(#)** Year it is most commonly taken

## Recommended Social Studies Course Progression

Graduation Requirement: 3.5 Social Studies Credits

	9th Grade	10th Grade	11th Grade	12th Grade
Required Courses	Topics of History	World Studies OR AP World History	U.S. History  OR AP U.S. History	One Semester: American Government or American National Government  AND One Semester: Principles of Economics
Elective Courses		Social Issues Sociology	Social Issues Sociology Psychology	Social Issues Sociology Psychology AP Psychology

### American Government

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 12th	Other: NCAA eligible/ RAI approved

American Government is a one semester course that meets the requirements for graduation. The course emphasizes the fundamental characteristics of our democratic system of government on the national, state, and local levels. Emphasis will be placed on our founding documents - the Declaration of Independence, the Constitution, and the Bill of Rights. Citizenship and civic participation are key components of the course. The successful student will complete assigned readings and activities in order to engage in class discussions.

### American National Government (DMACC Concurrent Credit)

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 12th	Other: 3 DMACC Credits: POL111 NCAA eligible/ RAI approved

American National Government is a JHS course offering that meets the competencies for POL 111 - American National Government at DMACC. Students successfully completing the course will earn 3 college credits in addition to meeting the JHS American Government graduation requirement. The final course grade will be factored as a weighted GPA. This semester-long course will cover the origins and structures of our system of government as well as topics of citizenship and political participation. Emphasis will be placed on our founding documents - the Declaration of Independence, the Constitution, and the Bill of Rights. The successful student should expect to complete outside of class work in preparation for engaging in class discussions and activities.

**AP Psychology  
(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 12th	Other: 3 DMACC Credits: PSY 111 (Spring) NCAA eligible/ RAI approved

The purpose of this course is for students to develop a working knowledge of the terms and concepts commonly taught in an introductory college course. The course is taught as if every student is taking the AP exam in May. Tests are multiple choice and free response, like those on the AP exam. Students also do semester projects, unit assignments, and presentations. This is a concurrent enrollment course and DMACC credit can be earned upon successful completion of both semesters of this course.

Students should be able and willing to spend 15-30 minutes reading from a college-level textbook each school night in preparation for class if they expect to be successful in this course.

**AP U.S. History  
(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 11-12th	Other: 6 DMACC Credits: HIS 151 (Fall), HIS 152 (Spring); NCAA eligible/ RAI approved

Advanced Placement U.S. History is a course designed to fulfill the requirements of the introductory college course in our country's history. Among the topics set for extensive examination are American colonial history, civil war, industrial development, World War I, the Depression, World War II, the Cold War, and an extensive look at contemporary America. This course is intended for advanced high school history students who are willing to devote the time and energy necessary to complete a course more rigorous and demanding than the required U.S. History course. This course will prepare students to take the Advanced Placement Examination in U.S. History, should they so elect.

This is a concurrent enrollment course and DMACC credit can be earned upon successful completion of both semesters of this course. Students can still take the AP exam for credit, but should check with their proposed colleges/universities to determine whether or not the DMACC credit would be accepted.

## AP World History (DMACC Concurrent Credit)

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Social Studies Credit; unless take it in addition to World Studies - THEN it is Elective.
Offered to grades: 10- 12th	Other: 6 DMACC Credits- HIS 110 (Fall), HIS 111 (Spring) NCAA eligible/ RAI approved

Advanced Placement World History is a course designed to fulfill the requirements of two introductory college courses in World History. The AP World History curriculum covers all areas of the world from approximately 1200 CE to the present. The DMACC Concurrent Credit component includes an emphasis on history before 1200. Students describe and analyze individual societies, juxtapose societies for comparison, examine change over time within one society, and analyze documents to create historical arguments. Instruction and practice will prepare students for the essay styles required on the AP exam. Students must be willing to devote the necessary time and energy to be successful. This course will prepare students to take the AP examination in World History.

## Principles of Economics

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 12th	Other: NCAA eligible/ RAI approved

Course focuses on macroeconomics, the study of economic principles at the national and international level. In addition to working with the abstract concepts of supply, demand, trade balances and national interests, students will be involved in analysis of current events in political and business worlds.

## Psychology

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 10-12th	Other: NCAA eligible/ RAI approved

Units covered include research methods, developmental psychology, learning and motivation, abnormal psychology, social psychology, and working on the mind and body. Class time focuses on discussion and application with reading, research, and writing being done outside of class.

## Social Issues

Credit: 0.5	Length of Class: One semester
Prerequisites: Sociology	Type of Course: Social Studies Credit
Offered to grades: 10-12th	Other: NCAA eligible/ RAI approved

This course focuses on social issues in American society. To understand social issues, the course will look at the social, political and economic conditions that perpetuate these issues. Such issues studied will be racial and ethnic tensions, poverty, crime, juvenile delinquency, gangs, substance abuse and other social ills. Many theories will be offered to explain the malfunction of a society along with student offered solutions to these issues.

## Sociology

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 10-12th	Other: NCAA eligible/ RAI approved

This is a course that provides an understanding of the social interaction of people in society. Students will examine how people behave in groups and how group interaction shapes both individual and group behaviors. Students will analyze rules, organizations, and value systems that enable people to live together. The case study approach will be used to delve into such topics as: socialization, culture, roles, norms, stereotypes, and subcultures.

## Topics of History

Credit: 0.5	Length of Class: One semester
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 9th	Other: NCAA eligible/ RAI approved

Topics of History provide students with a knowledge and understanding of history from Reconstruction through WWI in the US (1865-1920). Students will view this time period from an American perspective as well as a World perspective. Units of study include Reconstruction, Westward Expansion, Industrialization, Immigration, Imperialism, Progressivism, and WWI. Each unit will tie into the following themes: diversity, tolerance, and unity.

## U.S. History

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 11-12th	Other: NCAA eligible/ RAI approved

The major objective of the course is to develop an understanding of our present situation and guidelines for future action through a study of our past. The course is two semesters in length and is required for graduation. 1st semester begins with WWI to origins of the Cold War. Second semester begins with the Cold War through the 21st Century. Current events are stressed.

World Studies	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Social Studies Credit
Offered to grades: 10th	Other: NCAA eligible/ RAI approved

Modern World Studies explores the impact of historical events focusing on topics such as political revolutions, the Industrial Age, the effects of nationalism and imperialism, the growth of democracies, WWI and WWII, all with a connection to current world events. Other themes include a concern for culture, religion, philosophy, technology, and the lifestyle of each period so students will develop a clearer perspective of the world they live in. Human and physical geography standards will also receive focus for each unit covered over the course of the year, as will Historical Thinking Skills.



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# WORLD LANGUAGE

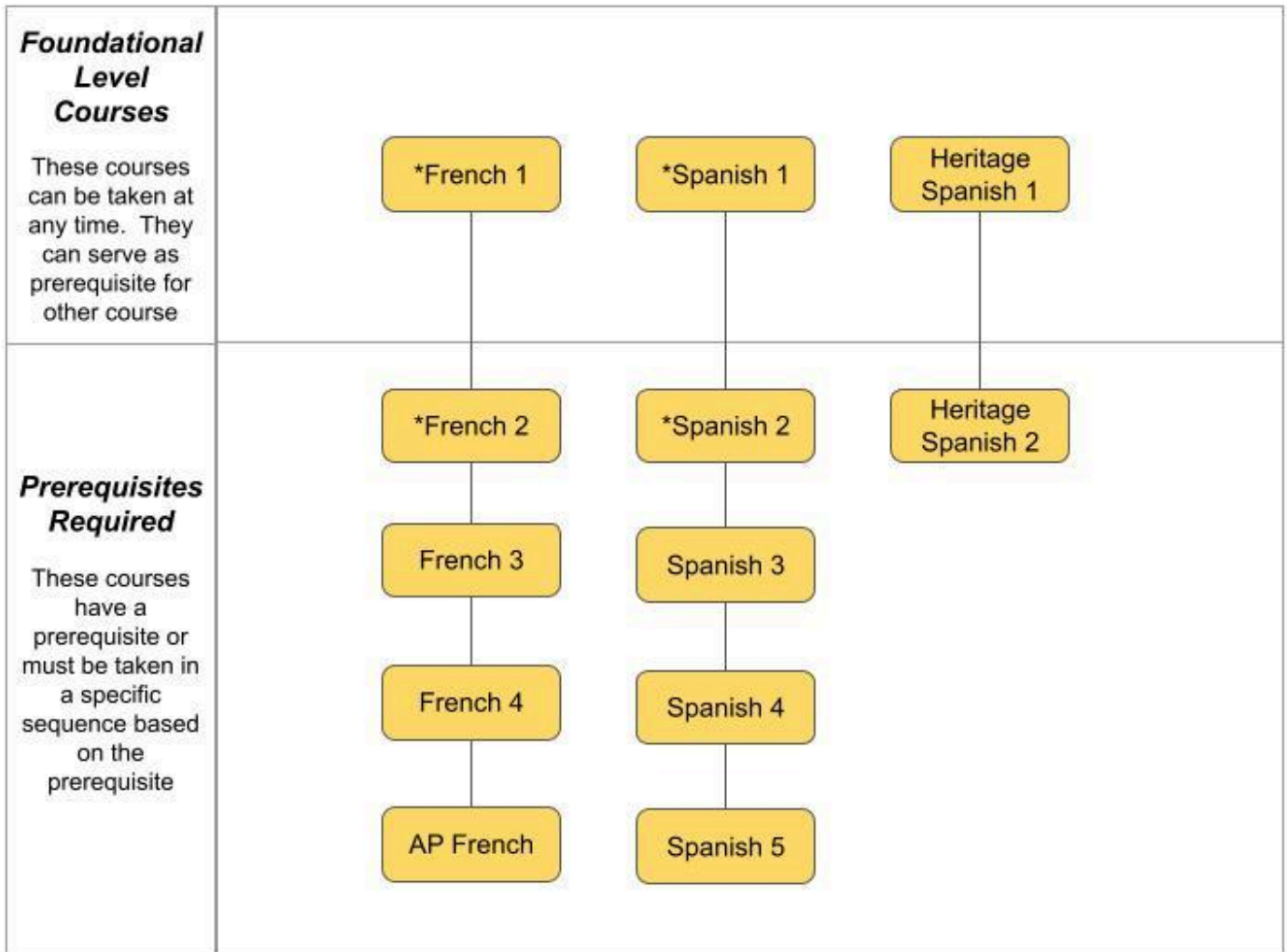


# WORLD LANGUAGE

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
AP French			x	x		x	1.0	Yes	Yes	Yes
French 1	x	x	x	x		x	1.0	Yes	Yes	Yes
French 2	x	x	x	x		x	1.0	Yes	Yes	Yes
French 3		x	x	x		x	1.0	Yes	Yes	Yes
French 4			x	x		x	1.0	Yes	Yes	Yes
Heritage Spanish 1		x	x	x		x	1.0	Yes	Yes	Yes
Heritage Spanish 2		x	x	x		x	1.0	Yes	Yes	Yes
Spanish 1	x	x	x	x		x	1.0	Yes	Yes	Yes
Spanish 2	x	x	x	x		x	1.0	Yes	Yes	Yes
Spanish 3		x	x	x		x	1.0	Yes	Yes	Yes
Spanish 4			x	x		x	1.0	Yes	Yes	Yes
Spanish 5 (DMACC Concurrent Credit)			x	x		x	1.0	Yes	Yes	Yes

Philosophy Statement: Through language acquisition, students develop a global mindset and cultural awareness which prepare them to continually adapt and communicate in our diverse world.

## World Language Course Selection Flowchart



### JCSD Course Selection Handbook Flow Chart Key



Required course (square)



Elective course (round)



Connects to required prerequisite.



Connects to prerequisite. Can take either course to meet requirement.

\*\* Only available at JMS (9th grade)

\* Available at JHS and JMS (9th grade)

AP French	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: French 4 or evidence of French 4 proficiency	Type of Course: Elective
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

This college-level course is taught almost exclusively in French and is designed to prepare students for the AP French Language and Culture Exam. Students enrolling in AP French should already have a good command of French grammar and vocabulary. Themes include Families and Communities, Personal and Public Identities, Beauty and Aesthetics, Science and Technology, Contemporary Life, and Global Challenges.

French 1	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Recommended minimum of C average in English previous year	Type of Course: Elective
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved

A two-semester course designed to develop basic language skills in listening comprehension, speaking, reading and writing. Successful completion of first-year French should enable the student to read and write French within limits and to carry on simple conversations. The student is also introduced to the diversity of the French-speaking world.

French 2	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: French 1 (C- or better recommended)	Type of Course: Elective
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

A two-semester course designed to maintain and improve the skills of listening, speaking, reading and writing acquired in first-year French. The student's ability to communicate in French is further developed this year. The student will continue to learn about various cultural products, practices, and perspectives of French-speaking communities..

French 3	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: French 2 (C- or better recommended)	Type of Course: Elective
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

A two-semester course with continued emphasis on listening, speaking, reading, and writing skills. French 3 students strengthen their French communication skills while exploring cultural products, practices, and perspectives of the Francophone world.

French 4	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: French 3 (C- or better recommended)	Type of Course: Elective
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

This course enables students to gain greater proficiency in the French language and an increased understanding of Francophone cultures. While using French almost exclusively, and encouraging students to do the same, class time is devoted to daily guided conversations among teacher and student on a variety of topics. Students are introduced to authentic French texts, music, films, current events, and other media.

Heritage Spanish 1	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Spanish Heritage Learner	Type of Course: Elective
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

Spanish Heritage Learners are students who have grown up speaking, or in some way communicating, in Spanish at home but have not received any formal education in the language. These learners may be able to speak Spanish fluently, or semi-fluently, but are unable to read or write proficiently in Spanish. Some learners may also be able to understand Spanish but struggle with fluent speech.

The Heritage Spanish 1 course is open to all Spanish Heritage Learners. It will be a year-long course designed to build upon the language knowledge a student already possesses, while furthering their proficiency of Spanish using a variety of skills. Primary attention will be given to advancing reading and writing skills as well as formal speaking competence. Themes such as Self-Identity, Roles of Hispanics in the U.S., and Global Social Issues frame the student's progression towards formal literacy in Spanish.

Heritage Spanish 2	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Heritage Spanish 1	Type of Course: Elective
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

This course is the continuation of Heritage Spanish 1 and is intended for students who can communicate in Spanish, but need to further develop reading, writing and speaking skills in a more accelerated environment than a traditional Spanish course. It provides further practice of writing and speaking with respect to language registers. This course further develops the Spanish speaker's skills in intermediate reading and writing through a series of more extensive readings, grammar drills and directed compositions, and continues study of more formal Spanish. The Spanish for Heritage Speakers 2 course is open to all Spanish Heritage Learners. It will be a year-long course designed to build upon the language knowledge a student already possesses and advanced in Spanish for Heritage Speakers 1, while furthering their proficiency of Spanish using a variety of skills. Primary attention will be given to advancing reading and writing skills as well as formal speaking competence. Themes such as bilingualism, family relationships, immigration, cultures and customs of Latin America, and educational systems in the United States will be explored.

Spanish 1	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Recommended Minimum of C average in English previous year	Type of Course: Elective
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved

A two-semester course designed to develop basic language skills in listening comprehension, speaking, reading and writing. Successful completion of first-year Spanish should enable the student to read and write Spanish and to carry on simple conversations in the present tense about one's daily life. The student is also exposed to the culture of Spanish-speaking countries.

Spanish 2	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Spanish 1 (Recommended C- or better)	Type of Course: Elective
Offered to grades: 9-12th	Other: NCAA eligible/RAI approved

A two-semester course designed to maintain and improve the skills of listening, speaking, reading and writing acquired in first-year Spanish. The student's ability to communicate in Spanish about one's daily life is increased this year to include some forms of the past tense. The student will continue to learn about the cultures of a variety of Spanish-speaking countries.

Spanish 3	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Spanish 2 (Recommended C- or better)	Type of Course: Elective
Offered to grades: 10-12th	Other: NCAA eligible/RAI approved

A two-semester course with continued emphasis on listening, speaking, reading and writing skills. Spanish 3 students continue their study of grammar and culture, with special emphasis on speaking and listening abilities.

Spanish 4	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Spanish 3 (Recommended C- or better)	Type of Course: Elective
Offered to grades: 11-12th	Other: NCAA eligible/RAI approved

This course includes a general review and in-depth enhancement of all Spanish grammar, while expanding the student's vocabulary and knowledge of historical and cultural aspects of Spain and Spanish America. Many student homework activities will be computer based. Extensive speaking, reading, listening and writing by the student will occur in both semesters of Spanish 4.

Second semester continues the above while focusing further on the practical use of Spanish and employs a college textbook and materials, including exercises via the computer. Spanish is the language of this course and will be used by both students and the teacher.

**Spanish 5**  
**(DMACC Concurrent Credit)**

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Spanish 4 (Recommended C- or better)	Type of Course: Elective
Offered to grades: 11-12th	Other: 8 DMACC Credits: FLS 241 (Fall); FLS 242 (Spring) NCAA eligible/RAI approved

The course will include the study of advanced Spanish grammar, literature, the improvement of vocabulary and an abundance of opportunities to listen, read, write and speak extensively in Spanish. Skills in listening, speaking, reading and writing are further developed around themes of academic and social issues using authentic resources to expand their knowledge of cultures of the Spanish-speaking peoples of the world. The intermediate level places special emphasis on classroom discussion and on compositions of greater length. The student will work at a collegiate level and must take “concurrent credit” both semesters for four hours each semester under the auspices of DMACC. Spanish is the language of this course and will be used by both the students and the teacher.

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# NON- DEPARTMENTAL





## NON-DEPARTMENTAL

Course Title	Offered to students in:				Class Length:		Total Credit	NCAA Approved	Included in RAI	Pre- Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
ELL English	x	x	x	x		x	1.0	No	No	No
ELL Math Intervention	x	x	x	x		x	1.0	No	No	No
ELL Tutorial	x	x	x	x		x	1.0	No	No	No
ELP	x	x	x	x	x		0.5	No	No	Yes
EMT (DMACC Concurrent Credit)			x	x	x (Blocked)		1.0	No	No	Yes
iJAG (DMACC Concurrent Credit)			x	x		x	1.0	No	No	Yes
Reading Lab	x	x	x	x	x		0.5	No	No	Teacher Recommendation

### ELL English

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: English Credit
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

The English Language Learners Program (ELL) provides English Language Learners an opportunity to acquire English proficiency in listening, speaking, reading and writing. The ELL English class promotes a positive learning environment to help students be successful in an American academic setting. Many specific strategies are used to help students acquire English. The course of study includes phonics and phonemic awareness, grammar instruction, reading fluency and comprehension, as well as writing opportunities to develop their English skills. This class is designed for students at the beginning to early intermediate levels of English language acquisition.

### ELL Math Intervention

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective Credit
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This course is designed for identified EL students. Through a supportive and inclusive environment, students will receive tailored instruction to address language barriers and fill foundational gaps in math. The course emphasizes practical communication skills, vocabulary development, and problem-solving strategies essential for everyday life and academic success.

### ELL Tutorial

Credit: 1.0	Length of Class: Yearlong
Prerequisites: None	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

The English Language Learners (ELL) Tutorial class provides students with an opportunity to enhance their English proficiency using specific strategies in the skills of listening, speaking, reading and writing. Students will continue with instruction in grammar, reading, fluency and comprehension and more advanced instruction in writing. Students will be provided opportunities to advance their skills through many whole- class and student-selected activities. This class is intended for students at the Intermediate to Advanced stages of English language acquisition.

Extended Learning Program Class (ELP)	
Credit: .25 (every other day) - 0.5 (every day)	Length of Class: One semester (can be taken both)
Prerequisites: Instructor approval	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

ELP class is available to students identified for the extended learning program. ELP class is designed around a student-created curriculum, meaning students design their own learning, with teacher approval and support. Topics of the student curriculum are very flexible, but must meet the standards of the Extended Learning Program. Students must exercise self-discipline and have strong executive skills to be able to successfully plan and complete their work. ELP class is an optional elective course for identified students, not a requirement.

EMT- Emergency Medical Technician	
Credit: 1.0	Length of Class: Semester (blocked)
Prerequisites: CPR Certification, Immunization Record, TB Test, at least 17 years old before class starts	Type of Course: Elective
Offered to grades: 12th	Other: 6 DMACC Credits- EMS 214 Not NCAA eligible/Not RAI approved

This course is designed to educate students on how to provide basic emergency medical care and transportation for critical and noncritical patients who access the emergency medical system. EMTs possess the basic knowledge and skills necessary to provide patient care and transportation. These skills include but are not limited to airway management, bleeding control, cervical spine stabilization, vehicle extrication techniques, and vital sign assessment. EMT's function as part of a comprehensive EMS response, under medical oversight, and perform interventions with basic level emergency equipment. This course is the required entry-level EMS certification course designed to prepare students for advanced-level EMS courses. This course must be taken for DMACC credit and is taught by DMACC staff at JHS. It is a blocked semester class.

iJAG- Iowa Jobs for America's Graduates (DMACC Concurrent Credit)	
Credit: 1.0	Length of Class: Year long
Prerequisites: Teacher Recommendation	Type of Course: Elective
Offered to grades: 11 <sup>th</sup> -12 <sup>th</sup>	Other: 4 DMACC Credits (Spring) : WBL100, WBL110, WBL150 Not NCAA eligible/Not RAI approved

Iowa Jobs for America's Graduates (iJAG) 11-12 is a career exploration and preparation course that provides a hands-on approach to exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and workplace "survival" skills (interpersonal relations, team work, etc.). Students will work to build strengths in academic areas, time management, and communication.

Individual and team project work will help students come to an understanding of their personality and temperament and the relationship between personal actions and the consequences that follow. Students will make connections to their career interests, abilities, and aptitudes by determining their education and career goals through development of an Individual Career Development Plan.

Reading Lab	
Credit: 0.25 - 1.0 depending on frequency	Length of Class: Flexible depending on student need and meeting entrance and exit criteria
Prerequisites: Teacher and data Recommendation	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/ Not RAI approved

Students eligible for Reading Lab have been identified as non-proficient readers and have been recommended as benefiting from the supplemental reading course. Reading lab is a supplemental reading course that focuses on building reading skills through vocabulary development, accuracy instruction, fluency practice, and comprehension skills. Lessons & activities are designed to meet the individual needs of students enrolled in reading lab. This course does not qualify for English credit for graduation.

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# OFF CAMPUS



## OFF-CAMPUS

### DMACC ONLINE CAREER ACADEMY (OLCA)

DMACC offers a number of online courses that allow Johnston High School and Johnston Middle School students to earn college credit (concurrent enrollment). These online classes are asynchronous which offers flexibility and convenience. Courses with a “Yes” in the far right column below also meet the criteria to transfer as a core course at all 3 regent universities (Iowa, ISU, UNI). The other classes could still transfer to a regent or other institution, but wasn’t identified at all 3 collectively. The following course options are subject to change and may not be available during each semester. Keep in mind, DMACC academic dates may be slightly different than JHS.

Any student wishing to enroll in a DMACC online course should schedule a meeting with their counselor as there are travel and scheduling considerations. Refer to page 14 for more details. *NEW Math POLICY:* All DMACC math classes require ALEKS placement test and the test must be proctored. Please talk to your counselor for more information on this.

Course	DMACC Credits	Prerequisites & Recommendations	Accepted as Regent Core Course Transfer Credit
<b>Agribusiness</b>			
AGB440 Agricultural Niche Marketing	3		
AGC314 Leadership in Agriculture	2		
<b>Business Administration and Communications</b>			
BUS102 Intro to Business	3	Recommended JCSD Intro to Business	
BUS112 Business Math	3	DMACC prereq: minimum ALEKS score of 14% Recommended JCSD Intro to Business and Corequisite JCSD Business Law	
BUS220 Intro to International Business	3	Recommended JCSD Intro to Business and Corequisite JCSD Business Law	
BUS260 Intro to Insurance	3	Recommended JCSD Financial Literacy	
FIN101 Principles of Banking	3	Recommended JCSD Intro to Business and Corequisite JCSD Business Law	
FIN121 Personal Finance	3	Recommended JCSD Financial Literacy	
FIN180 Introduction to Investments	3	Recommended JCSD Financial Literacy	
BUS185 Business Law I	3	Recommended JCSD Intro to Business and Corequisite JCSD Business Law	
BUS186 Business Law II	3	Recommended DMACC BUS185 and Corequisite JCSD Entrepreneurship	
COM146 Gender, Sexuality, and Media	3	Recommended JCSD Intro to Sociology	
MGT101 Principles of Management	3	Recommended JCSD Intro to Business	
MGT145 – Human Relations In Business	3	Recommended JCSD Intro to Business	
<b>Communications</b>			
SPC101 Fundamentals of Oral Comm	3		Yes
<b>Education/ Early Childhood Education</b>			
ECE103 Intro to Early Childhood Ed	3	Recommended JCSD Child Development & Guidance	
ECE133 Child Health, Safety, & Nutrition	3	Recommended JCSD Child Development & Guidance	

Course	DMACC Credits	Prerequisites & Recommendations	Accepted as Regent Core Course Transfer Credit
<b>Education/ Early Childhood Education (continued)</b>			
ECE158 Early Childhood Curriculum I	3	Recommended JCSD Child Development & Guidance	
ECE215 Home, School, & Comm Relations	3	Recommended JCSD Child Development & Guidance	
ECE221 Infant/Toddler Care and Education	3	Recommended JCSD Child Development & Guidance	
EDU245 Exceptional Learner	3	Recommended JCSD Child Development & Guidance	
EDU253 Behavior Management	3	Recommended JCSD Child Development & Guidance	
EDU255 Technology in the Classroom	3	Recommended JCSD Child Development & Guidance	
LIT105 Children's Literature	3	Recommended JCSD Child Development & Guidance	
<b>Humanities and Electives</b>			
ART101 Art Appreciation	3		Yes
DRA101 Intro to Theater	3	Attendance of theatrical performance may be required. Recommended JCSD Acting	Yes
DRA105 Budgeting for Artists	1		
Hum116 Encounters in Humanities	3		
HUM120 Intro to Film	3		
HUM121 America in the Movies	3		
LIT166 Science Fiction	3		
LIT185 Contemporary Literature	3	Recommended JCSD AP Literature and Composition	
LIT188 Detective Fiction	3		
LIT190 Women's Writers	3		
LIT193 Humor in Literature	3		
MUS100 Music Appreciation	3		
MUS202 World Music	3		
PHI101 Intro to Philosophy	3		
PHI105 Intro to Ethics	3		Yes
PHI111 Basic Reasoning	3		
REL101 Survey of World Religions	3		Yes
PEC110 Coaching Ethics	1		
PEH110 Personal Wellness	2	Recommended JCSD Kinesiology	
PEH125 Prin Personal Training II	3	Recommended JCSD Kinesiology	
PEH178 - Sports Diversity	3		
PEH190 Sports Nutrition	2	Recommended JCSD Kinesiology	
PEH255 Principles - Sports Management	3		
ENG221 Creative Writing	3	Recommended JCSD Creative Writing & Literature	
JOU110 Intro to Mass Media	3	Recommended JCSD Web Design, Dragon TV, or Graphic, Sound, and Animation	
SDV115 Study Strategies	2		
<b>Mathematics and Sciences</b>			
MAT110 Math for Liberal Arts	3	DMACC Prerequisite: Placement score and/or minimum ALEKS score of 30% or MAT064 with grade C- or higher	Yes
MAT114 Elementary Educators Math I	3	DMACC Prerequisite: Placement score and/or minimum ALEKS score of 46% or MAT073 with grade C- or higher Recommendation JCSD Financial Literacy	
MAT116 Elementary Educators Math II	3	DMACC Prerequisite: MAT114 with a grade of C- or higher	

Course	DMACC Credits	Prerequisites & Recommendations	Accepted as Regent Core Course Transfer Credit
<b>Mathematics and Sciences (continued)</b>			
MAT141 Finite Math	4	DMACC Prerequisite: Minimum ALEKS score of 30% or MAT063 with a C- or higher	Yes
MAT162 Principles of Business Stats	4	DMACC Prerequisite: Placement score and/or minimum ALEKS score of 46% or MAT073 with grade C- or higher	Yes
PHS152 Astronomy	4		Yes
ENV103 Sustainable Living	1	Recommended JCSD Environmental Science or Biology in the Environment	
BIO145 Ecology of Iowa	3	Recommended JCSD Environmental Science or Biology in the Environment	
BIO151 Nutrition	3	Recommended JCSD Kinesiology	
SDV108 The College Experience	1		
<b>Social &amp; Behavioral Sciences/Criminal Justice/Global Studies</b>			
ANT105 Cultural Anthropology	3		Yes
ANT202 Human Origins	3		Yes
CRJ100 Intro to Criminal Justice	3	Recommended JCSD AP Psychology	
CRJ101 Ethics in Criminal Justice	3	Recommended JCSD AP Psychology	
CRJ111 Police and Society	3	Recommended JCSD AP Psychology	
CRJ120 Introduction to Corrections	3	Recommended JCSD AP Psychology	
CRJ128 Victimology	3	Recommended JCSD Sociology	
CRJ179 White Collar Crime	1	Recommended JCSD AP Psychology	
CRJ301 Intro to Homeland Security	3		
CRJ302 Transportation and Border Sec	3		
CRJ305 Intro to Cyber Terrorism	3		
CRJ326 Emergency Planning	3		
GLS200 Country Study - China	3		
GEO111 Intro to Geography	3		Yes
GEO124 Regional Geography of the NonWest World	3		Yes
HIS257 African American History	3		Yes
HIS274 Women's History	3		
HSV135 Women's Issues	3		
GLS200 Country Study - Belize	3		
POL121 International Relations	3		Yes
POL171 Intro to Public Administration	3		
PSY102 Human and Work Relations	3		
PSY140 Exploring Mental Health	3	Recommended JCSD AP Psychology	
PSY241 Abnormal Psychology	3	Recommended JCSD AP Psychology	Yes
PSY251 Social Psychology	3	Recommended JCSD AP Psychology	Yes
PSY261 Human Sexuality	3	Recommended JCSD Sociology and DMACC Intro to Sociology	
SOC110 Intro to Sociology	3	Recommended JCSD Sociology	Yes
SOC115 Social Problems	3	Recommended JCSD Sociology	
SOC120 Marriage and Family	3	Recommended JCSD Sociology	Yes
SOC200 Minority Group Relations	3	Recommended JCSD Sociology	
SOC226 Issues in Aging	2	Recommended JCSD Sociology	



Course	DMACC Credits	Prerequisites & Recommendations	Accepted as Regent Core Course Transfer Credit
<b>Office/Computer/Networking</b>			
ADM147 Customer Service Health Care	3		
BCA110 Introduction to Word	1		
BCA121 Introduction to Excel	1		
CIS125 Intro to Programming Logic w/L	3	Recommended JCSD Computer Science or AP Computer Science	
CIS161 C++	3	Recommended JCSD Computer Science or AP Computer Science	
CIS169 C#	3	Recommended DMACC CIS125 and CSD Computer Science or AP Computer Science	
CIS189 Python	3	Recommended JCSD Computer Science or AP Computer Science	
CIS303 Introduction to Database	3	Recommended JCSD Computer Science or AP Computer Science	
CIS338 SQL/Oracle	3	Recommended DMACC CIS332 and CSD Computer Science or AP Computer Science	
DAT201 Data Science I	3	Recommended JCSD Computer Science or AP Computer Science	
INF110 Fundamental Informatics	3		

## DMACC CAREER ACADEMY

DMACC offers a number of career courses on their campuses that allow senior Johnston High School students to earn college credit. Each program requires students to be off-campus 3 periods per day from Johnston High School and requires that students provide their own transportation. **The following course options are subject to change and may not be available during each semester.**

Most DMACC Career Academy programs are two semesters long, meet everyday either in the morning or afternoon, and students typically earn anywhere from 12-15 college credits. Any student wishing to enroll in a DMACC Career Academy course should schedule a meeting with their counselor as there are travel and scheduling considerations. Refer to page 14 for more details.

DMACC Career Academy Options	DMACC Credits	Location
<b>Automotive Collision Technology</b>		
CRR150 Basic Shop Safety	1	Ankeny Campus
CRR406 Intro to Collision Repair	5	
CRR408 Collision Repair Equipment	2	
CRR520 Introduction to Refinishing	5	
WBL110 Employability Skills	2	
<b>Automotive Technology</b>		
AUT111 Intro to Automotive Technology I	6	Ankeny Campus
AUT112 Intro to Automotive Technology II	6	
<b>Business</b>		
BUS102 Introduction to Business	3	Ankeny Campus
FIN121 Personal Finance	3	
SDV129 Transition to College	1	
MGT101 Principles of Management	3	
MKT110 Principles of Marketing	3	
WBL110 Exploring Careers	1	
<b>Computer Programming</b>		
CIS125 Intro to Programming w/Logic	3	Ankeny Campus
CIS169 C#	3	
CIS303 Introduction to Database	3	
CIS174 Advanced C# Programming	3	
CIS332 Database & SQL	3	
CIS943 Computer Science Project App	3	
<b>Computer-Aided Design Technology</b>		
CAD151 CAD Graphics I	6	Ankeny Campus
CAD152 CAD Graphics II	6	

<b>DMACC Career Academy Options</b>	<b>DMACC Credits</b>	<b>Location</b>
<b>Criminal Justice</b>		
CRJ100 Intro to Criminal Justice	3	Ankeny Campus
CRJ107 Survey of Criminal Justice Agencies	3	
CRJ141 Criminal Investigations	3	
CRJ201 Juvenile Delinquency	3	
CRJ293 Criminal Justice Report Writing	1	
SDV129 Transition to College	1	
<b>Culinary Arts</b>		
HCM143 Food Preparation 1	3	Ankeny Campus
HCM144 Food Preparation 1 Lab	3	
HCM152 Food Preparation II	2	
HCM153 Food Preparation II Lab	2	
HCM100 Sanitation & Safety	2	
HCM231 Nutrition		
<b>Diesel Technology</b>		
DSL606 Hydraulics & Brakes	6	Ankeny Campus
DSL546 Power Trains I	6	
<b>Digital Marketing</b>		
MKT110 Principles of Marketing	3	Ankeny Campus
MKT121 Digital Marketing	3	
MKT131 Social Media Marketing	3	
MKT150 Principles of Advertising	3	
SDV129 Transition to College	1	
WBL100 Exploring Careers	1	
<b>Emergency Medical Technician (EMT)</b>		
EMS214 Emergency Medical Technician	6	Ankeny Campus
WBL100 Exploring Careers	1	
<b>Fashion</b>		
APP109 Creative Design Foundations	3	Ankeny Campus
APP240 Fashion Design	3	
APP261 Fashion Industry Analysis	3	
MKT160 Principles of Retailing	3	
<b>Health Occupations</b>		
HSC172 Nurse Aide 75 Hours	3	Ankeny Campus
Healthcare Career Explorations	4	
<b>Machine Operation/Tool and Die</b>		
MFG105 Machine Shop Measuring	3	Ankeny Campus
MFG121 Machine Trade Print Reading I	2	
MFG250 Engine Lathe Theory	1	
MFG251 Engine Lathe Operations Lab	2	
MFG260 Mill Operations Theory	1	
MFG261 Mill Operations Lab	2	

<b>Automotive Collision Technology</b>		
CRR150 Basic Shop Safety	1	Southridge Campus
CRR406 Intro to Collision Repair	5	
CRR408 Collision Repair Equipment	2	
CRR520 Introduction to Refinishing	5	
WBL110 Employability Skills	2	
<b>Automotive Mechanics Technology</b>		
AUT111 Intro to Automotive Technology 1	6	Southridge Campus
AUT112 Intro To Automotive Technology II	6	
AUT163 Automotive Engine Repair	3	
AUT601 Auto Electrical	4	
AUT612 Auto Electrical II	4	
AUT870 Automotive Service Management	2	
<b>Business and Marketing</b>		
BUS102 Introduction to Business	3	Southridge Campus
MGT145 Human Relations in Business	3	
MKT140 Selling	3	
MGT101 Principles of Management	3	
MKT110 Principles of Marketing	3	
<b>Criminal Justice</b>		
CRJ100 Intro to Criminal Justice	3	Southridge Campus
CRJ107 Survey of Criminal Justice Agencies	3	
CRJ141 Criminal Investigations	3	
CRJ201 Juvenile Delinquency	3	
<b>Health Occupations</b>		
HSC101 Emergency Care	1	Southridge Campus
HSC105 Survey of Health Careers	1	
HSC109 Intro to Health Careers	3	
HSC114 Medical Terminology	3	
HSC172 Nurse Aide 75 Aide	3	
HSC182 Advanced Nurse Aide	3	
<b>Teacher Academy</b>		
EDU210 Foundations of Education	3	Southridge Campus
SDV164 Electronic Portfolio Development	2	
EDU218 Initial Field Experience	2	
WBL100 Exploring Careers	1	
<b>Welding</b>		
WEL228 Intro to Welding, Safety, and Health of Welders	1	Southridge Campus
WEL233 Print Read/Sym Inter: SENSE I	3	
WEL262 OFC-I Manual & Mech:SENSE I	2	
WEL254 Inspection/Test Princ: SENSE I	1	
WEL244 Gas Metal Arc Welding Short Circuit Transfer	2	
WEL266 PAC/CAC	1	

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2025-2026

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# DIVERSE LEARNERS



## DIVERSE LEARNERS

Course Title	Offered to students in:				Class Length is:		Total Credit	NCAA Approved	Included in RAI	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Sem.	Year Long				
4+				x		x	1.0	No	No	Yes
Skill Development	x	x	x	x		x	1.0	No	No	Yes
Essential Core	x	x	x	x		x	4.0	No	No	Yes
Essential Math	x	x	x	x		x	1.0	No	No	Yes
Essential Science	x	x	x	x		x	1.0	No	No	Yes
Essential English	x	x	x	x		x	1.0	No	No	Yes
Essential Social Studies	x	x	x	x		x	1.0	No	No	Yes
Foundational English 9	x					x	1.0	No	No	Yes
Foundational English 10		x				x	1.0	No	No	Yes
Foundational Language Arts- Framework 1			x	x		x	1.0	No	No	Yes
Foundational Language Arts- Framework 2			x	x		x	1.0	No	No	Yes
Foundational Bridges to Algebra	x					x	1.0	No	No	Yes
Foundational Algebra 1		x	x	x		x	1.0	No	No	Yes
Foundational Geometry		x	x	x		x	1.0	No	No	Yes
Foundational Health		x	x	x		x	1.0	No	No	Yes
Foundational Financial Literacy		x	x	x		x	1.0	No	No	Yes

All Special Education programs require determination of eligibility through testing and/or observation. After evaluation, a meeting is held and those determined eligible will be placed in the appropriate programs. All programs are a yearlong course and credit is received for successfully completing the assigned work.

<b>4+</b>	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Teacher Recommendation	Type of Course: Elective
Offered to grades: 12+	Other: Not NCAA eligible/Not RAI approved

#### Mission

Deliver personalized transition experiences that foster inclusivity by building collaborative community connections, supporting success in meaningful postsecondary education, vocation, and overall life.

#### Goals

Living: Enhance overall life and wellbeing through individualized skill-building opportunities and connections with community experiences and partners.

Learning: Ensure access to high quality learning opportunities by addressing educational gaps, setting personalized goals, providing tailored instruction and support, and connecting with community partners.

Working: Build vocational readiness by focusing on individualized skill development, goal setting, and fostering community connections to ensure students are prepared for meaningful and successful employment.

### Skill Development

<b>Skill Development</b>	
Credit: 1.0	Length of Class: Yearlong
Prerequisites: Teacher Recommendation	Type of Course: Elective
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in the areas of reading, writing, math, employment and behavior needs. Instructional activities are delivered on a regular basis for specific periods of time. Students are also taught study skills, self-advocacy, character building and assistance for transition planning. Instructor approval is required.

### Essential Core

<b>Essential Core</b>	
Credit: 4.0	Length of Class: Yearlong
Prerequisites: Alternative Assessment	Type of Course: Core
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This course aligns with the Iowa Alternative Assessments Essential Elements, providing individualized instruction tailored to meet the diverse learning needs of students on alternative assessments. Standards taught in this course align to Iowa Core English Language Arts, Math, Science, and Social Studies. This course is repeatable. Instructor approval is required.

## Essential Math

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Alternative Assessment	Type of Course: Core
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This course aligns with the Iowa Core Mathematics Essential Elements, providing individualized instruction tailored to meet the diverse learning needs of students on alternative assessments. Emphasizing foundational math skills and real-world applications, students will engage in personalized learning experiences designed to support their academic growth and functional independence. This course is repeatable. Instructor approval is required.

## Essential Science

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Alternative Assessment	Type of Course: Core
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This course aligns with the Iowa Core Science Essential Elements, providing individualized instruction tailored to meet the diverse learning needs of students on alternative assessments. Emphasizing foundational science skills and real-world applications, students will engage in personalized learning experiences designed to support their academic growth and functional independence. This course is repeatable. Instructor approval is required.

## Essential English

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Alternative Assessment	Type of Course: Core
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This course aligns with the Iowa Core English Essential Elements, providing individualized instruction tailored to meet the diverse learning needs of students on alternative assessments. Emphasizing foundational English and language arts skills and real-world applications, students will engage in personalized learning experiences designed to support their academic growth and functional independence. This course is repeatable. Instructor approval is required.

## Essential Social Studies

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Alternative Assessment	Type of Course: Core
Offered to grades: 9-12th	Other: Not NCAA eligible/Not RAI approved

This course aligns with the Iowa Core Social Studies Essential Elements, providing individualized instruction tailored to meet the diverse learning needs of students on alternative assessments. Emphasizing foundational social studies skills and real-world applications, students will engage in personalized learning experiences designed to support their academic growth and functional independence. This course is repeatable. Instructor approval is required.



## Foundational English 9

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 9th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in reading and/or writing. This foundational English course is designed to support students in developing essential reading, writing, and communication skills. Units, course readings, and individual assignments are designed to encourage analysis of literature and nonfiction as well as independent and collaborative learning.

## Foundational English 10

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 10th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in reading and/or writing. This foundational English course is designed to support students in developing essential reading, writing, and communication skills. Integrated Language Arts focuses on the 5 strands of the Iowa Common Core: Reading, Writing, Speaking, Viewing, Listening. Throughout the course, students are provided opportunities to develop/advance their skills in these areas through whole-class and student selected-choice activities.

## Foundational Language Arts - Framework 1

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 11th-12th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in reading and/or writing. This foundational English course helps students enhance their reading, writing, and communication skills. Frameworks 1 Language Arts courses involve students in activities that focus on research and developing argumentative writing skills.

## Foundational Language Arts - Framework 2

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 11th-12th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in reading and/or writing. This foundational English course helps students enhance their reading, writing, and communication skills. Frameworks 2 Language Arts courses involve students in activities that focus on narrative writing and literary analysis.

## Foundational Bridges to Algebra

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 9th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in mathematics. Concepts and skills developed during this course which would enable the student to be prepared for Algebra. Topics included in this course develop skills with operations on real number system, ratios, proportions, simplifying expressions, solving linear equations, inequalities, area, and volume.

## Foundational Algebra 1

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 10th-12th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in mathematics. Concepts and skills are introduced algebraically, graphically, numerically, and verbally, to help students make connections and to address diverse learning styles. Topics included in this course build on skills with operations, simplifying expressions, solving linear equations, and inequalities.

## Foundational Geometry

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Core
Offered to grades: 10th-12th	Other: Not NCAA eligible/Not RAI approved

This class provides specially designed instruction for students with individual education plans in mathematics. Topics included in this course include traditional geometry concepts and build on prior algebraic skills. Logical reasoning is emphasized throughout while measurement and applications are integrated to motivate students via real-world connections.

## Foundational Health

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Elective
Offered to grades: 10th-12th	Other: Not NCAA eligible/Not RAI approved

This course will cover the areas of personal health, nutrition & physical fitness, safety, and social health. CPR (Cardiopulmonary Resuscitation) has been mandated by the state and is included in the curriculum.

## Foundational Financial Literacy

Credit: 1.0	Length of Class: Yearlong
Prerequisites: Administrator Approval	Type of Course: Elective
Offered to grades: 10th-12th	Other: Not NCAA eligible/Not RAI approved

This class teaches skills in counting and spending money, banking, saving, investing, paying for goods, and using credit.

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2025-2026

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# APPENDIX



# JOHNSTON COMMUNITY SCHOOL DISTRICT

## A. Participation Agreement, Acknowledgement of Risks and Release of Liability

I, the undersigned participant (and the parent or guardian if participant is a minor), in consideration of the JOHNSTON COMMUNITY SCHOOL DISTRICT'S ("District") sponsorship of the activities described below voluntarily make the following agreement:

1. Agreement to Participate: I hereby desire and agree to participate in the following [ATHLETICS/ACTIVITIES/PROGRAMS] ("Program(s)"):

(Set forth description of [ATHLETICS/ACTIVITIES/PROGRAMS])

I understand this/these Program(s) is/are a completely voluntary Program(s) being offered by the District in an effort to meet the educational needs of its students.

2. Assumption of Risks: I am aware of, and voluntarily assume the risks inherent in this/these Program(s) and I understand that my participation could result in injury to myself, perhaps including loss of property, limb, life or permanent physical impairment. I believe that I am in good health and I know of no physical or emotional reasons why I cannot safely participate in the above Program(s). I promise to abide by all of the rules and regulations of the District or any other Business Entity I may be working with, or for, as part of this/these Program(s) and obey the instructions and orders of its employees. I hereby release any claims whether for personal injury, property damage or otherwise, against the District which may arise out of my voluntary participation in the above activities

3. Transportation: The terms and conditions of the Program(s) have been explained to me. I understand that transportation to and from [LOCATION] is a prerequisite to participation in the Program(s) and that this transportation will not be provided, organized or monitored by the District in any way. Rather, transportation is the sole and absolute responsibility of the student and/or parent and is not the responsibility of the District. I further understand that any damage or injury resulting from my transportation to and from [LOCATION] shall be my, and/or my parent's, responsibility and I will not hold the District liable for any reimbursement for such damage or injury. I understand that the terms and conditions of this participant agreement apply to me, as the driver, only, and that the District strictly prohibits students from driving other students to and from [LOCATION(S)].

4. Contractual Agreement: I understand that this is a contractual agreement and that no representation of any kind has been made to me as an inducement for the execution hereof. I have read this agreement and I understand its terms. If any portion of this agreement is invalid, I expect that the remaining portions of this agreement will be enforced. I have read this agreement and understand its terms and hereby voluntarily enter into the same.

\_\_\_\_\_  
Signature of Participant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Parent or Guardian

\_\_\_\_\_  
Date

# JOHNSTON COMMUNITY SCHOOL DISTRICT

## B. Confidentiality Agreement

I, the undersigned participant (and the parent or guardian if participant is a minor), understand that I may hear, read, or have access to, personal, financial, medical, or proprietary business information in the course of my participation in [PROGRAM]. All such information, as well as any other information which is not generally known to the public, shall be treated as confidential. Confidentiality of information obtained in the course of my participation in [PROGRAM] must be maintained at all times, including after the termination of my association with [BUSINESS].

Unauthorized access or disclosure of confidential information to anyone without proper authorization is strictly prohibited. Engaging in discussions of confidential information with family, friends, or any other unauthorized person, is not only a breach of confidence, but may also be illegal. I further acknowledge that I have read and agree to follow all [BUSINESS] policies and procedures for confidentiality. I understand that compliance with these policies and procedures is a condition of my continued participation in [PROGRAM] and that I may be removed from the [PROGRAM] at any time for a violation of [BUSINESS] policies and procedures.

\_\_\_\_\_  
Signature of Participant

\_\_\_\_\_  
Date

# JHS & DMACC LIBERAL ARTS ASSOCIATES DEGREE TRACKER



NAME: \_\_\_\_\_

DMACC ID: \_\_\_\_\_

## Johnston High School – DMACC Liberal Arts Associates (A.A.) Degree Tracker

	DMACC Course Name	HS Course Name	Completion Date	DMACC Credit	Grade	Distributive Credit (See Below)
Communications	<b>Must complete 9 credits</b> (Students must complete ENG 105, ENG 106, and SPC101.)					
	ENG105 Composition I at JHS	AP Language - Fall		3		N/A
	ENG106 Composition II at JHS	AP Language - Spring		3		N/A
	SPC101 Fundamentals of Oral Comm	DMACC Online Career Academy		3		
Social and Behavioral Sciences	<b>Must complete 9 credits</b> (Students must complete at least 3 courses AND each course must have a distinct acronym. Every course beyond the first course with a distinct acronym can be used as Distributive Credit).					
	HIS110 Western Civ Ancient to Early Modern at JHS	AP US History - Fall		3		
	HIS111 Western Civ Early Modern to Present at JHS	AP US History - Spring		3		
	HIS151 US History to 1877 at JHS	AP World History - Fall		3		
	HIS152 US History Since 1877 at JHS	AP World History - Spring		3		
	PSY111 Intro to Psychology at JHS	AP Psychology		3		
	POLS111 DMACC Government (new class at JHS)	American National Government		3		
	ANT105 Cultural Anthropology	DMACC Online Career Academy		3		
	GEO111 Intro to Geography	DMACC Online Career Academy		3		
	GEO124 Regional Geography of the NonWest World	DMACC Online Career Academy		3		
	HIS257 African American History	DMACC Online Career Academy		3		
	POL121 International Relations	DMACC Online Career Academy		3		
	PSY241 Abnormal Psychology	DMACC Online Career Academy		3		
	PSY251 Social Psychology	DMACC Online Career Academy		3		
	SOC110 Intro to Sociology	DMACC Online Career Academy		3		
	SOC120 Marriage and Family	DMACC Online Career Academy		3		
	Math and Sciences	<b>Must complete 9 credits</b> (Students must take one lab science course from BIO, CHM, ENV, PHY or PHS AND one MAT course.)				
MAT156 Statistics at JHS		AP Statistics		3		
MAT211 Calculus at JHS		AP Calculus		5		
ENV111 Environmental Science at JHS		AP Environmental Science - Spring		3		
ENV115 Environmental Science Lab at JHS		AP Environmental Science Lab-Spring		1		
BIO112 General Biology I at JHS		AP Biology – Spring		4		
BIO168 Anatomy/Physiology at JHS (Fall)		AP Anatomy/Physiology		4		
BIO173 Anatomy/Physiology at JHS (Spring)		AP Anatomy/Physiology		4		
ANT202 Human Origins		DMACC Online Career Academy		3		
MAT110 Math for Liberal Arts		DMACC Online Career Academy		3		
MAT114 Elementary Educators Math I	DMACC Online Career Academy		3			



	MAT116 Elementary Educators Math II	DMACC Online Career Academy		3		
	MAT141 Finite Math	DMACC Online Career Academy		4		
	MAT162 Principles of Business Statistics	DMACC Online Career Academy		4		
	PHS152 Astronomy	DMACC Online Career Academy		4		

<b>Must complete 9 credits</b>						
Humanities	FLS241 Intermediate Spanish I at JHS	Spanish 5 - Fall		4		
	FLS242 Intermediate Spanish II at JHS	Spanish 5 - Spring		4		
	HIS110 Western Civ Ancient to Early Modern at JHS	AP US History - Fall		3		
	HIS111 Western Civ Early Modern to Present at JHS	AP US History - Spring		3		
	LIT101 Intro to Literature at JHS	AP Literature - Fall		3		
	LIT185 Contemporary Literature at JHS	AP Literature - Spring		3		
	ART101 Art Appreciation	DMACC Online Career Academy		3		
	DRA101 Introduction to Theatre	DMACC Online Career Academy		3		
	HUM116 Encounters in Humanities	DMACC Online Career Academy		3		
	HUM120 Intro to Film	DMACC Online Career Academy		3		
	HUM121 America in the Movies	DMACC Online Career Academy		3		
	LIT190 Women Writers	DMACC Online Career Academy		3		
	MUS202 World Music	DMACC Online Career Academy		3		
	REL101 Survey of World Religions	DMACC Online Career Academy		3		
HUM116 Encounters in Humanities	DMACC Online Career Academy		3			

Distributive	<b>Must complete 10 credits</b> from any of the previously listed courses not already used to meet an above requirement ( <i>check courses used to complete this requirement in far right column</i> ).					
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Electives	<b>Must complete 18 credits</b> , which can include any of the above courses not used in another category or all other DMACC credits offered at your high school, online, or at another location. Students cannot apply more than 16 Career Technical credits towards an AA Liberal Arts Degree. Visit <a href="https://www.dmacc.edu/careeradvantage/pages/johnston.aspx">https://www.dmacc.edu/careeradvantage/pages/johnston.aspx</a> for a list of classes to meet this requirement. At Johnston High School we offer many classes in Industrial Tech, Business Departments, Art and Family Consumer Science that would also count toward electives DMACC credits. Our EMT course would also count towards this elective count. Please check with your counselor for more information, or the names listed below. See <a href="#">listing of classes available</a> .					
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Diversity	<b>Must complete 3 semester credit hours</b> . One course is required, but this course may count in the areas above. Students must earn a grade of "C" or above for the course that is used to fulfill the Diversity Requirement. Visit <a href="http://catalog.dmacc.edu/preview_program.php?catoid=7&amp;poid=1307#diversityrequirement">http://catalog.dmacc.edu/preview_program.php?catoid=7&amp;poid=1307#diversityrequirement</a> for a list of classes to meet this requirement					
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Total Credits Earned: _____			Total Credits Needed for Liberal Arts AA Degree: 64 Credits			
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**NOTE:** Not all DMACC Online Career Academy courses are listed on this degree tracker. Courses listed are subject to change.

**For questions or support, please contact your school counselor or Dr. Johnson Miner [jiminer@johnston.k12.ia.us](mailto:jiminer@johnston.k12.ia.us) or Mrs. Pruitt at JHS Counseling Office - [kenya.pruitt@johnston.k12.ia.us](mailto:kenya.pruitt@johnston.k12.ia.us) or Mr. Pohlman at JHS Counseling - [kjpohlman@dmacc.edu](mailto:kjpohlman@dmacc.edu) or contact [careeradvantage@dmacc.edu](mailto:careeradvantage@dmacc.edu) anytime**

**\*\*If you believe you are on track to earn your AA Degree, it is important to keep in touch with your counselor and Mr. Pohlman or Dr. Johnson Miner twice a year. We want to support you and double check your classes for completion. This document is routinely updated as new classes are added. November 2024**





## BUILDING YOUR FUTURE

### REGENT ADMISSION INDEX (RAI)

Freshman applicants who wish to enter any of the three Iowa public universities will be held to the Regent Admission Index (RAI) requirement. The RAI combines factors that strongly predict success at the Regent Universities: ACT or SAT test score, high school cumulative grade-point average and the number of years of high school courses completed in the core subject areas of English, mathematics, science, social studies, world language and computer science. To calculate your own expected RAI, go to [www.regents.iowa.gov/RAI](http://www.regents.iowa.gov/RAI)

#### Application options for Summer/Fall 2025 Applicants

The Regent Admission Index remains the primary means for admission; however, the Board of Regent Institutions also provide a path to admission for students who elect to not provide the ACT/SAT as a component of the admissions process. Students who choose to not submit a test score will be considered for admission based upon an individual review of their academic record.

### 1 RAI FORMULA!

$$\begin{aligned}
 & (3 \times \text{ACT composite score}) \\
 + & (30 \times \text{Cumulative GPA}) \\
 + & (5 \times \text{total number of years of courses completed in the core subject areas})
 \end{aligned}$$

#### Your RAI

MINIMUM COURSE REQUIREMENTS FOR ADMISSION				OPTIMUM RECOMMENDATIONS FOR SUCCESS
	IOWA STATE UNIVERSITY	IOWA	UNI / University of Northern Iowa	
ENGLISH	4 years emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	4 years with an emphasis on the analysis and interpretation of literature, composition and speech.	4 years including one year of composition, also may include one year of speech, communication or journalism.	4 years with an emphasis on the communication skills of writing, reading and listening and the analysis and interpretation of literature. In addition, courses in journalism and media literacy will be valuable. Extracurricular activities in debate, speech contest, newspaper and yearbook will further develop essential competencies.
MATH	3 years including at least one year each of algebra, geometry and advanced algebra.	3 years including algebra, geometry and advanced algebra. 4 years with the addition of pre-calculus for admission to the College of Engineering.	3 years including the equivalent of algebra, geometry and algebra II.	4 years, one in each year of high school. Advanced courses in algebra and trigonometry are optimal. Calculus and statistics courses are also good and will contribute in the development of your higher-level analytical skills.
NATURAL SCIENCE	3 years including at least two years of courses which emphasize elements of biology, chemistry or physics.	3 years including courses in physical science, biology, chemistry, environmental science and physics for admission to the College of Liberal Arts and Sciences and Engineering. 3 years, including one year each of biology, chemistry and physics for admission to the College of Nursing.	3 years including courses in general science, biology, chemistry, earth science or physics. Laboratory experience is highly recommended.	4 years, one in each year of high school. To be better prepared, take at least one year each of biology, chemistry and physics. These can be taken in any order and may be taught productively in either a separate or an integrated fashion, depending on your school's offerings.
SOCIAL STUDIES	2 years for admission to Colleges of Agriculture and Life Science, Business, Design, Engineering and Human Sciences. 3 years for admission to the College of Liberal Arts and Sciences.	3 years with US history and world history recommended for admission to the College of Liberal Arts and Sciences. 2 years for admission to the College of Engineering.	3 years including courses in anthropology, economics, geography, government, history, psychology or sociology.	3 years is essential, but four is better. Take at least one year each of US and world history. Additional courses in anthropology, economics, political science, psychology and sociology provide an important understanding of our political, social and economic institutions.
WORLD LANGUAGE	2 years of a single world language for admission to the Colleges of Engineering and Liberal Arts and Sciences.	2 years of a single world language are required for admission.	World language courses are not required for admission. However, two years of world language in high school with a C- or above in the last course will meet the university graduation requirement.	4 years of a single world language. By taking world language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.
OTHER COURSES	Specific elective courses are not required for admission.	Specific elective courses are not required for admission.	2 years of additional courses from the required subject areas, world language or the fine arts.	Explore! Courses in the fine arts, performing arts, computers, or technology will help round out your high school experience. Your future field of concentration or career may lie in one of those areas. Follow your interests, talents and the strengths of your school. Remember to choose courses with high academic standards.

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# 2024 RAI Core Course List



Admission of freshmen to the Iowa Regent universities is based on the Regent Admission Index (RAI) formula described below. In addition, applicants must meet the minimum high school course requirements for the university they wish to enter.

Note: For purposes of calculating the RAI, SAT scores will be converted to ACT composite equivalents, 4.00 is the top value for GPA, and the number of high school core courses completed is expressed in terms of years or fractions of years (e.g., one semester equals 0.5 year). Applicants who do not possess all required factors will be evaluated on an individual basis by the Regent universities to which they apply.

Freshman applicants who achieve at least a 245 RAI score and who meet the minimum number of high school courses required by the Regent universities will qualify for automatic admission to any of the three Regent universities. Freshman applicants who achieve less than a 245 RAI score may also be admitted to a specific Regent university; however, each Regent university will review these applications on an individual basis and the admission decision will be specific to each institution.

- (3 x ACT composite score)
- + (30 x high school GPA)
- + (5 x number of years of high school core courses)

Regent Admission Index Score

### JOHNSTON SENIOR HIGH SCHOOL, JOHNSTON, CORE COURSES APPROVED FOR RAI

Source: 2023-2024 SRI Winter data. (Note: course numbers in parentheses refer to community college course numbers.)

English	Yrs*	Math	Yrs*	Science	Yrs*	Social Studies	Yrs*	World Languages	Yrs*	Computer Science	Yrs*
Adv Freshman English	1	Algebra 1	0.5	Anatomy & Physiology	1	Abnormal Psychology [PSY241]	0.5	AP Spanish [FLS241]	0.5	AP Computer Science A	0.5
Adv Integrated Lang Arts	1	Algebra 1	1	AP Biology	0.5	African American History [HIS257]	0.5	AP Spanish [FLS242]	0.5	Computer Science	0.5
AP Lang & Comp [ENG105]	0.5	Algebra 2	1	AP Chemistry	1	America in the Movies [HUM121]	1	French 1	1		
AP Lit & Comp [LIT101]	0.5	Algebra 2/Trigonometry	1	AP Environmental Science	0.5	American Government	0.5	French 2	1		
AP Lit & Comp [LIT185]	0.5	AP Calculus AB [MAT211]	1	AP Env Sci [ENV115]	0.5	AP Government	0.5	French 3	1		
Children's Lit [LIT105]	0.5	AP Calculus BC	1	AP Physics C	1	AP Macroeconomics	0.5	French 4	1		
Contemp Lit [LIT185]	0.5	AP Statistics [MAT160]	0.5	Astronomy	1	AP Psychology	0.5	Heritage Spanish	1		
Creative Explorations	0.5	Finite Math [MAT141]	0.5	Astronomy [PHS152]	0.5	AP Psychology (PSY111)	0.5	JSP Spanish 2 (Online)	1		
Creative Writing	0.5	Geometry	1	Biology	1	AP U.S. History [HIS151]	0.5	Spanish 1	1		
Creative Writing [ENG221]	0.5	JSP Algebra 2 (Online)	0.5	Biology in the Environment	0.5	AP U.S. History [HIS152]	0.5	Spanish 2	1		
Cross Currents	0.5	Pre-Calculus	1	Biotechnology	0.5	AP World History [HIS110]	0.5	Spanish 3	1		
Culture Clash	0.5	Trigonometry/Topics	1	Botany	0.5	AP World History [HIS111]	0.5	Spanish 4	1		
Debate (E)	0.5			Chemistry	1	Basic Reasoning [PHI111]	0.5				
Detective Fiction [LIT188]	0.5			Chemistry in the Community	0.5	Country Study [GLS200]	0.5				
Freshman English	1			Earth & Space Science	0.5	Exploring Mental Health [PSY140]	0.5				
Genders' Game	0.5			Environmental Science	0.5	Human Origins [ANT202]	0.5				
Heroic Men & Women	0.5			Essentials of Science 09	1	Inter/Natl Relations [POL121]	0.5				
Integrated Language Arts	0.5			Forensic Science	0.5	Intro to Ethics [PHI105]	0.5				
Journalism	0.5			General Biology I [BIO112]	0.5	Intro to Film [HUM120]	0.5				
JSP Business English (Online)	0.5			General Chemistry I [CHM165]	0.5	Intro to Geography [GEO111]	0.5				
JSP English 09 (Online)	0.5			General Chemistry II [CHM175]	0.5	Intro to Philosophy [PHI101]	0.5				
JSP English 10 (Online)	0.5			General Physics I [PHY180]	0.5	Intro to Psychology (PSY111)	0.5				

### JOHNSTON SENIOR HIGH SCHOOL CORE COURSES APPROVED FOR RAI (cont.)

Source: 2023-2024 SRI Winter data. (Note: course numbers in parentheses refer to community college course numbers.)

English	Yrs*	Math	Yrs*	Science	Yrs*	Social Studies	Yrs*	World Languages	Yrs*	Computer Science	Yrs*
JSP English 11 (Online)	0.5			General Physics II [PHY161]	0.5	Intro to Sociology [SOC110]	0.5				
JSP English 12 (Online)	0.5			JSP Biology (Online)	0.5	JSP American Govt (Online)	0.5				
NewsWriting & Reporting [JOU121]	0.5			JSP Chemistry (Online)	0.5	JSP Economics (Online)	0.5				
On the Road	0.5			JSP Earth & Space (Online)	0.5	JSP Psychology (Online)	0.5				
On the Road Blended	0.5			JSP Env Sci (Online)	0.5	JSP Social Issues (Online)	0.5				
Pushing the Limits	0.5			JSP Forensic Sci (Online)	0.5	JSP Sociology (Online)	0.5				
Reading the Screen	0.5			JSP Physical Sci (Online)	0.5	JSP Topics in History (Online)	0.5				
Science Fiction [LIT166]	0.5			JSP Physics (Online)	0.5	JSP U.S. History (Online)	0.5				
Sport, Competition & Culture	0.5			Physical Science	0.5	JSP World History (Online)	0.5				
Teen in the World	0.5			Physics	1	JSP World Studies (Online)	0.5				
The Creative Mind	0.5			PLTW - Principles of Engrg [EGT410]	0.5	Marriage & Family [SOC120]	0.5				
Working t Out	0.5			Sustainable Living [ENV103]	0.5	Principles of Economics	0.5				
				Zoology	0.5	Principles of Economics Blended	0.5				
						Psychology	0.5				
						Regional Geography of the Non-Western World [GEO124]	0.5				
						Social Problems [SOC115]	0.5				
						Social Psychology [PSY251]	0.5				
						Sociology	0.5				
						Stress & Stress Management [PSY172]	0.5				
						Survey Crim Justice Agencies [CRJ107]	0.5				
						Survey of World Religions [REL101]	0.5				
						Topics in History	0.5				
						U.S. History	1				
						U.S. History Blended	1				
						Victimology [CRJ126]	0.5				
						Women's History: United States [HIS274]	0.5				
						World Studies	1				
<b>Total English</b>		<b>Total Math</b>		<b>Total Science</b>		<b>Total Social Studies</b>		<b>Total World Languages</b>		<b>Total Computer Science</b>	

\* The numbers in this column should be multiplied by 5 to determine the number of RAI points awarded for the course.

Updated: 8/14/2024

## JHS 2024 RAI Core Course List