Quincy High School

Academic Information

And

Scheduling Guide

2017-2018
QUINCY HIGH SCHOOL

ACADEMIC INFORMATION AND COURSE DESCRIPTIONS

2017-2018

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For an electronic version of this document, visit our Website at:

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INTRODUCTION

The information contained in this book will assist you in developing a four-year academic plan and choosing the proper classes for next year. Development of a proper course of study is essential. Careful planning by students and parents with a guidance counselor is critical.

Our course description book is divided into three sections. The first section contains suggested four-year programs, tips for college admission, and career information. This section will help you plan for both next year and future years.

The second section contains academic information that will help you know what is required for graduation and information about course selections. Be sure you are familiar with the information in this section.

The third section is a description of high school courses. The courses are listed by department and tell you the grade level and prerequisites needed when selecting a course.

If you have questions, be sure to contact your counselor.
SECTION I

Planning for College

Listed below are some of the minimum performance standards that would most likely be required from the four listed categories of post-secondary educational institutions. All students should strive to achieve and perform to their highest abilities to help ensure every opportunity of continuing their education after high school. If you are interested in developing the skills necessary to enter a particular college, contact the admissions office of your selected school for a listing of the exact admission requirements.

I. MOST COMPETITIVE COLLEGES
   Students need to take the most rigorous courses possible and most likely 2-4 years of a foreign language will be required.
   Average ACT 29
   Average SAT 1370
   Average GPA 3.8

II. COMPETITIVE COLLEGES
    Students need to take the most rigorous courses possible and most likely 2-4 years of a foreign language will be required or highly recommended.
    Average ACT 26
    Average SAT 1200
    Average GPA 3.5

I. LESS COMPETITIVE COLLEGES
   For all students in a Michigan high school, a 2-year proficiency in a language other than English will be required to earn a diploma from any Michigan public high school. Students need to take a rigorous course of study to best prepare for success at the college level.
   Average ACT 22
   Average SAT 1060
   Average GPA 3.3

IV. COMMUNITY COLLEGE, BUSINESS SCHOOL, TRADE SCHOOL OR APPRENTICESHIP PROGRAMS.
    For all students in a Michigan high school, a 2-year proficiency in a language other than English will be required to earn a diploma from any Michigan public high school. Students earning a High School Diploma and a passing score on an entrance assessment can most likely earn admission into many of the various other educational options available to them. Taking coursework through the BACC may also help students develop the skills necessary to earn certifications in various fields and earn college credit though articulated programs.
TIPS FOR COLLEGE ADMISSION

Colleges consider the following areas when reviewing college applications for admission:

1. The high school academic record is the most important. This includes:
   A. College prep classes (5 academic areas; English, Math, Science, Social Studies and Foreign Language).
   B. Level and intensity of courses such as AP courses completed.

2. Grade point average and rank in class.

3. Test scores – ACT and/or SAT

4. Recommendations from high school (which include student’s character and personality.)

5. Extracurricular activities

It is suggested that you begin your college search early in your high school career to assist you in planning your future. All colleges have websites with extensive information about their schools and many offer the option of requesting information and/or applying on-line. Your school counselor is available to assist you in your college search.

NCAA ATHLETIC REQUIREMENTS

The NCAA Clearinghouse must certify prospective student-athletes who are planning to enroll in college as a freshman. This clearinghouse will establish the initial eligibility of student-athletes to receive financial aid, practice or compete in Division I and Division II sports. As requirements continue to change, students and parents are highly encouraged to visit the NCAA website, www.ncaa.org and more specifically, the NCAA Clearinghouse website, https://web1.ncaa.org/eligibilitycenter/common. From these two sites, you can view all of the most current information and course completion standards.

PROCEDURES FOR SCHEDULING

I. PLANNING THE SCHEDULE

Preparation of a student’s schedule requires very careful planning and consideration of skills, abilities, and career interests. Students will form an Educational Development Plan (EDP) as an ongoing process throughout their high school years. This plan will include:

A. Students selecting a career pathway to follow in course selection and career planning.

   The pathways are: Arts & Communications
   Business, Management, Marketing & Technology
   Engineering/Manufacturing & Industrial Technology
   Health Sciences
   Human Services
   Natural Resources & Agriscience

B. Within each pathway, students will choose courses based upon educational plans beyond high school.
   1. Entry level careers
   2. Technical certificate, associate degree, or apprenticeship careers.
   3. Bachelors, masters or doctorate degree careers

As a student progresses through high school, his/her career pathway choices and educational plans will evolve into a post-high school career path that will fulfill his/her school to work goals.

Please see the chart on the following page for a short description of each pathway.
# Exploring Career Pathways

## What are the Six Career Paths?

### Arts and Communication:
Careers in this path are related to humanities and performing, visual, literary and media arts. These include architecture, graphic, interior, and fashion design; writing; film; fine arts; journalism; languages; media; advertising; and public relations.

### Business, Management, Marketing and Technology:
Careers in this path are related to the business environment. These include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.

### Engineering/Manufacturing and Industrial Technology:
Careers in this path are related to technologies necessary to design, develop, install, and maintain physical systems. These include engineering, manufacturing, construction, service and related technologies.

### Health Sciences:
Careers in this path are related to the promotion of health and treatment of disease. These include research, prevention, treatment and related health technologies.

### Human Services:
Careers in this path are related to economic, political and social systems. These include education, government, law and law enforcement, leisure and recreation, military, religion, child care, social services and personal services.

### Natural Resources and Agriscience:
Careers in this path are related to agriculture, the environment and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture and wildlife.

## Is this Career Path for You?

### Arts and Communication:
Are you a creative thinker? Are you imaginative, innovative and original? Do you like to communicate ideas? Do you like making crafts, drawing, playing a musical instrument, taking photos or writing stories? This may be the career path for you!

### Business, Management, Marketing and Technology:
Do you enjoy being a leader, organizing people, planning activities and talking? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like things neat and orderly? Would you enjoy balancing a checkbook, following the stock market, holding an office in a club, surfing the Internet? This may be your career path!

### Engineering/Manufacturing and Industrial Technology:
Are you mechanically inclined and practical? Do you like reading diagrams and blueprints, and drawing building structures? Are you curious about how things work? Would you enjoy painting a house, repairing cars, wiring electrical circuits or woodworking? This may be the career path for you!

### Health Sciences:
Do you like to care for people or animals who are sick or help them stay well? Are you interested in diseases and in how the body works? Do you enjoy reading about science and medicine? Would it be fun to learn first aid, volunteer at a hospital or veterinary clinic? This may be your career path!

### Human Services:
Are you friendly, open, understanding and cooperative? Do you like to work with people to solve problems? Is it important to you to do something that makes things better for other people? Do you like to help friends with family problems? Do you like reading, storytelling, travelling or tutoring young children? This could be your career path!

### Natural Resources and Agriscience:
Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you enjoy hunting or fishing? Do you like to garden or mow the lawn? Are you interested in protecting the environment? This could be your career path!
II. COMPLETING THE SCHEDULE (SPRING)

A. Classroom orientation for general information.
B. Individual counselor appointment (student or student and parent) is made to review EDP information (interests, career goals, abilities, teacher recommendations, and required courses) and compare course selection with pathway chosen.
C. Course request sheet turned in.
D. After the master schedule is built, students with conflicts will be rescheduled.
E. Once schedules have been completed, no unnecessary changes will be made.

CHANGING CLASSES

Because of the time spent to create a school-wide schedule based on the individual schedule preferences designated by students during the scheduling process, the allocation of funds that is prepared to support courses based on those preferences, and the planning for curricular development around course enrollment, students must understand that enrollment in full-year classes is intended for the entire year. Students will not be dropped from full-year classes unless they complete a drop course form and have prior consent of the teacher, then the counselor, the parent, and the principal. Refusal of the parent or the principal will result in denial of permission to drop the class at the end of the current semester.

Any changes in class schedules must be made prior to the start of each semester. Students wishing to drop a class, after the start of each semester, may do so only if there are educationally sound reasons for the change and only with the permission of the principal. In most circumstances, the class will be recorded, and tabulated in determining grade point averages as withdrawn failing. Every student should work cooperatively with his or her teachers to complete the most rigorous and relevant curriculum available. Dropping a course because it seems hard is not a justified reason for not developing the skills necessary to compete in our global economy.
SECTION II

ACADEMIC INFORMATION

Michigan Merit Curriculum Requirements:

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Language Arts</td>
<td>4</td>
</tr>
<tr>
<td>2. Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>3. Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>4. Science</td>
<td>3</td>
</tr>
<tr>
<td>5. Foreign Language</td>
<td>2</td>
</tr>
<tr>
<td>6. Physical Education</td>
<td>.5</td>
</tr>
<tr>
<td>Health</td>
<td>.5</td>
</tr>
<tr>
<td>7. Visual, Performing, and Applied Arts</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credit of required courses: 18

I. GENERAL REQUIREMENTS

Students qualifying for a diploma must:
A. Meet all general and specific requirements for their graduation class.
B. Must attend Quincy High School on a full-time basis or its equivalent for eight semesters. Students attending an institution of higher learning while still in high school may request an exemption to the full-time status rule.
C. Students transferring in and out of QHS must be in attendance at Quincy at least one semester during their senior year to gain our diploma.
D. Any student transferring into Quincy High School from a public, private, charter, or home school will have his/her credits evaluated according to the Michigan Merit Curriculum at the time of enrollment. Student transcripts must be validated by a licensed accredited agency. No student may transfer more than 6.0 credits per school year into QHS from the sending school agency. This is subject to change by Board of Education approval.

II. LIMITATIONS

A. Students must be enrolled as a full-time student.
B. Adult Education, correspondence and summer school make-up courses:
   All students who wish to enroll in these programs must have prior approval of QHS. Students lacking sufficient credits for graduation may seek enrollment in adult education or correspondence courses. Summer school may be taken to complete courses previously not passed at QHS. A maximum three credits may be transferred to QHS through these programs.
C. Home schooling transfers- Credits earned through “home school” programs will be accepted at Quincy High School under the following criteria:

   1. An affidavit must be signed by the parent and supervising teacher indicating that instruction was provided under the direct supervision of a certified teacher, and that the equivalent of a minimum of days and hours specified by the Michigan School Code were met for each year of home schooling.
2. No grades for these programs will be given, nor will grades be recorded on the transcript. Any credits shown on the transcript will be recorded as “home schooling, course name, & Cr or No Cr.

D. A student may participate in the graduation ceremonies if he/she has earned a minimum of one credit less than the total number of credits required to graduate. The diploma certificate will only be awarded after successful completion of all requirements.

E. Any course repeated at Q.H.S. will be granted credit for the semester most recently taken and only the most recent grade will be allowed. Previous grade and credit will be removed from the record.

F. The pre-requisites listed for the courses are guides to success in the courses and are listed for the benefit of the student.

G. It is the desire of the administration and the professional staff to continually strive for improvement. Therefore, it is possible that the requirements, curricular offerings, rules and regulations outlined in this booklet will change according to the needs of the student.

SPECIAL NEED CLASSES
Special need classes are available to students who have difficulty experiencing success in the regular classroom setting. Placement in special need classes is by: teacher/counselor or parent recommendation, followed by evaluation and potential placement by the Branch Intermediate School District.

ADVANCED PLACEMENT CLASSES
Advanced Placement classes have been developed for the highly motivated students. These classes will be taught at the higher level of cognitive thinking. Classroom and test questions will rigorously challenge the students to use their analytical and evaluative skills.

Students must obtain a teacher recommendation in order to enroll in an Advanced Placement course and may need to obtain a qualifying score on an admissions assessment if needed. It is highly suggested that students meet a minimum academic standard of performance to help ensure success in an AP course. The following GPA listings are a minimum that should be met in the four academic areas (Math, English, Science and Social Studies):

<table>
<thead>
<tr>
<th>Grade</th>
<th>GPA Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>8th</td>
<td>3.3 or better in 7th grade and 1st semester of 8th grade</td>
</tr>
<tr>
<td>9th</td>
<td>3.3 or better</td>
</tr>
<tr>
<td>10th</td>
<td>3.4 or better</td>
</tr>
<tr>
<td>11th</td>
<td>3.5 or better</td>
</tr>
</tbody>
</table>

If a student does not meet the academic requirements for the AP Program, the student may complete a course application and the appropriate department’s AP Selection Committee will review his/her application. A teacher who is a member of that department will notify the student of the department’s decision for placement.
DUAL ENROLLMENT/INDEPENDENT STUDY

Dual Enrollment. The purpose of the dual enrollment program is to allow eligible students the opportunity to enroll in and complete eligible college-level courses at a post-secondary institution that chooses to participate in the dual enrollment program. Costs for these programs, as specified below, will be paid by the Quincy Community Schools system.

Eligibility. For purposes of this program, an eligible student is one who is enrolled in at least one (1) high school class in at least grade 11 in the Quincy High School district and who has received qualifying scores in all subject areas tested under the PLAN test or ACT test. All sophomore students take the PLAN test and can use the results to plan for their dual enrollment opportunities. An eligible course is one that is not offered by Quincy High School or is not available, as determined by the Board of Education, because of a scheduling conflict beyond the control of a student. The course must be an academic course not ordinarily taken as an activity, normally accepted by the post-secondary institution as applied toward satisfaction of a degree requirement, is not a hobby or recreational course, and is in a subject area other than physical education, theology, divinity, or religious study. This program does not apply to any post-secondary courses in which a student is enrolled in addition to being enrolled full-time in the QHS district, nor does it apply to a post-secondary course that a student is re-taking after failing. This program does not restrict the ability of any student to enroll in any post-secondary institution without tuition and fee support.

Academic Credit. At the time that an eligible student enrolls in a post-secondary course under this program, the student must designate, in writing to both the high school and post-secondary institution, whether the course is for high school credit, post-secondary credit, or both. Courses must be taken for high school credit to be considered as part of a full time enrollment and to qualify for the use of district funds. Eligible students may not audit courses under this program. Quincy High School shall award high school academic credit for those courses designated for high school credit if the student successfully completes the course, as determined by the post-secondary institution. These high school credits shall be counted toward graduation requirements and subject area requirements for graduation. Upon request of the student, courses taken for post-secondary credit only will be included on the permanent record but will not be included in grade point calculations or graduation requirements.

Program Provisions. Quincy High School will require each student to provide, on a form provided by the school guidance office, reasonable verification that the student is regularly attending the course. If for any reason, the student does not complete, or fails the course, as determined by the post-secondary institution, the student forfeits eligibility for further courses under this program. Any fees (up to the amount the school district has paid for the course) will be refundable to the school district. Students enrolled in this program must still meet all graduation requirements of Quincy High School and should insure that their academic schedule will meet the needs of both high school and post-secondary programs.

Program Funding. Under the provisions of this program, if the dual enrollment course is taken for high school credit, tuition and fees for the post-secondary course will be paid by Quincy High School up to the limits provided by Michigan Compiled Law. The school district will not provide financial support for books, supplies, transportation, or parking costs associated with this program. The school district will pay these fees directly to the post-secondary institution upon being billed.
INDEPENDENT STUDY

The Independent Study Elective requires the student to apply for admission by submitting a proposal and portfolio as evidence of content area ability and interest in a topic to the Independent Studies Coordinator. Upon receiving approval for the proposal and portfolio, the student will complete a management plan for the study. Specific requirements for earning ½ credit (minimum of 60 hours) will be determined by the student, coordinator, and mentor(s), as approved by the high school principal.
SECTION III
COURSE LISTINGS
2017-2018

ART
HS 8511 A  Art 1A
HS 8511 B  Art 1B
HS 8512 A  Art 2A
HS 8512 B  Art 2B
HS 8513 A  Art 3A
HS 8513 B  Art 3B
HS 8514 A  Art 4A
HS 8514 B  Art 4B

DUAL ENROLLMENT
HS 0671  Dual Enrollment

ENGLISH/LANGUAGE ARTS
HS 0171 A  Ramp-Up Lit A
HS 0171 B  Ramp-Up Lit B
HS 1101 A  Literacy Navigator A
HS 1101 B  Literacy Navigator B
HS 1150 A  English 1A
HS 1150 B  English 1B
HS 1226 A  English 2A
HS 1226 B  English 2B
HS 1301 A  English 3A
HS 1301 B  English 3B
HS 1310 A  Publications A
HS 1310 B  Publications B
HS 1311 A  Yearbook A
HS 1311 B  Yearbook B
HS 1351 A  Pre AP English A
HS 1351 B  Pre AP English B
HS 1401 A  English 4A
HS 1401 B  English 4B
HS 1450 A  AP English A
HS 1450 B  AP English B

FOREIGN LANGUAGE
HS 5010 A  Spanish 1A
HS 5010 B  Spanish 1B
HS 5020 A  Spanish 2A
HS 5020 B  Spanish 2B
HS 5030 A  Spanish 3A
HS 5030 B  Spanish 3B
HS 5040 A  Spanish 4A
HS 5040 B  Spanish 4B
HS 5050 A  Spanish 5A
HS 5050 B  Spanish 5B
## INDEPENDENT STUDY
HS 0675  Independent Study/Research

### MATHEMATICS
<table>
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<tr>
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<tbody>
<tr>
<td>HS 0172 A</td>
<td>Ramp-Up Algebra A</td>
</tr>
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<td>HS 0172 B</td>
<td>Ramp-Up Algebra B</td>
</tr>
<tr>
<td>HS 3250 A</td>
<td>Algebra 1A</td>
</tr>
<tr>
<td>HS 3250 B</td>
<td>Algebra 1B</td>
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<tr>
<td>HS 3350 A</td>
<td>Geometry A</td>
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<td>HS 3450 A</td>
<td>CP Algebra 2A</td>
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<td>HS 3451 A</td>
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<td>HS 3553</td>
<td>Personal Finance</td>
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<td>HS 3554</td>
<td>Statistics</td>
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<tr>
<td>HS 3659 A</td>
<td>Pre-Calculus A</td>
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<td>HS 3659 B</td>
<td>Pre-Calculus B</td>
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<tr>
<td>HS 3670 A</td>
<td>AP Calculus A</td>
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<td>HS 3670 B</td>
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### MUSIC
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<tbody>
<tr>
<td>HS 8000 A</td>
<td>HS Band A</td>
</tr>
<tr>
<td>HS 8000 B</td>
<td>HS Band B</td>
</tr>
<tr>
<td>HS 8010 A</td>
<td>Vocal Music A</td>
</tr>
<tr>
<td>HS 8010 B</td>
<td>Vocal Music B</td>
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### PHYSICAL EDUCATION
<table>
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<tbody>
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<td>HS 7200 A</td>
<td>Physical Education</td>
</tr>
<tr>
<td>HS 7400 A</td>
<td>PE Weight Training A</td>
</tr>
<tr>
<td>HS 7400 B</td>
<td>PE Weight Training B</td>
</tr>
<tr>
<td>HS 7600</td>
<td>Health</td>
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### SCIENCE
<table>
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<td>HS 4050 A</td>
<td>Physical Science A</td>
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<td>Physical Science B</td>
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<tr>
<td>HS 4220 A</td>
<td>Biology A</td>
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<td>HS 4220 B</td>
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<tr>
<td>HS 4221 A</td>
<td>Advanced Biology A</td>
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<td>HS 4221 B</td>
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<td>HS 4300 A</td>
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<td>Advanced Chemistry B</td>
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<tr>
<td>HS 4400 A</td>
<td>Physics A</td>
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<td>HS 4400 B</td>
<td>Physics B</td>
</tr>
<tr>
<td>HS 4401 A</td>
<td>Physics P/T A</td>
</tr>
<tr>
<td>HS 4401 B</td>
<td>Physics P/T B</td>
</tr>
</tbody>
</table>
SOCIAL STUDIES
HS 2300 A U.S. HISTORY A
HS 2300 B U.S. HISTORY B
HS 2340 A World History A
HS 2351 B World History B
HS 2400 A Economics
HS 2400 B Government

VOCATIONAL (BACC)
079R01 FANUC ROBOTICS/Comp & Net – Semester 1
079R03 FANUC ROBOTICS/Comp & Net – Semester 2
079R05 FANUC ROBOTICS/Welding – Semester 1
079R13 FANUC ROBOTICS/EAET – Semester 1
079R07 FANUC ROBOTICS/EAET – Semester 2
079R11 FANUC ROBOTICS/CAD – Semester 1
079R09 FANUC ROBOTICS/CAD – Semester 2
079T03 ENVIRONMENTAL & AGRICULTURAL SCIENCES 1
079T05 ENVIRONMENTAL & AGRICULTURAL SCIENCES 2
079T09 AUTOMOTIVE TECHNOLOGIES 1
079T11 AUTOMOTIVE TECHNOLOGIES 2
079T17 BUSINESS, MANAGEMENT, MARKETING, & TECHNOLOGY 1
079T19 BUSINESS, MANAGEMENT, MARKETING, & TECHNOLOGY 2
079T21 CAD-CAM ENGINEERING & ARCHITECTURE 1
079T23 CAD-CAM ENGINEERING & ARCHITECTURE 2
079T25 COLLISION REPAIR & COATINGS TECHNOLOGIES 1
079T27 COLLISION REPAIR & COATINGS TECHNOLOGIES 2
079T31 CRIMINAL JUSTICE/LAW ENFORCEMENT 1
079T33 CRIMINAL JUSTICE ALLIANCE 2
079T39 EARLY EDUCATION 1
079T41 EARLY EDUCATION 2
079T47 ELECTRICAL & AUTOMATION ENGINEERING TECHNOLOGIES 1
079T49 ELECTRICAL & AUTOMATION ENGINEERING TECHNOLOGIES 2
079T51 CULINARY ARTS & HOSPITALITY MANAGEMENT 1
079T53 CULINARY ARTS & HOSPITALITY MANAGEMENT 2
079T59 HEALTH SCIENCE FUNDAMENTALS
079T61 HEALTH PRACTICUM
079T67 EDUCATION ACADEMY 1
079T75 EDUCATION ACADEMY 2
079T83 WELDING ENGINEERING TECHNOLOGIES 1
079T85 WELDING ENGINEERING TECHNOLOGIES 2
079T93 COMPUTER AND NETWORKING TECHNOLOGY 1
079T95 COMPUTER AND NETWORKING TECHNOLOGY 2
079T99 HEALTH ACADEMY
079W61 HEALTH SCIENCE OJT PROGRAM
COURSE DESCRIPTIONS

ART

HS 8511 A  Art 1A
This course is a two semester course which covers basic drawing and design to more advanced forms of graphic arts. Mediums used range from pencil, paint, chalk, to metals and pottery. An introduction to artists and the language of Art will be studied. To provide an environment which helps each student know and understand themselves as a unique, valuable individual and develop a positive self-image. This course will also enable students to evaluate others work using values gained from their own study of Art.

HS 8511 B  Art 1B
The second semester of the course will be a continuation of semester one. Semester two may be taken without taking semester one. Must have special permission of the instructor.

HS 8512 A  Art 2A
This course is a two semester course with the prerequisite of a B- or higher in Art 1 A & B, or permission of the instructor to take the course. This course is a more intensified study of the Art 1 units, and an opportunity to develop the student’s independent interests. Emphasis and focus will be on portrait and landscape drawing, large stretch canvas painting, ceramics, mosaic design, watercolor and scratch art. Students will be encouraged to develop their creativeness.

HS 8512 B  Art 2B
The second semester of this course will be a continuation of semester one. Semester two may be taken without taking semester one. Must have special permission of the instructor.

HS 8513 A  Art 3A
This course is a two semester course with the prerequisite of a B- or higher in Art 2 A & B, or permission of the instructor to take the course. For the first marking period the course will be a review of basic art techniques. The balance of the course will allow students to work independently in their own fields of interest. The course will provide an environment flexible enough to permit individual exploration into various mediums.

HS 8513 B  Art 3B
The second semester of this course will be a continuation of semester one. Semester two may be taken without taking semester one. Must have special permission of the instructor.

HS 8514 A  Art 4A
This course is a two semester course with the prerequisite of a B- or higher in Art 3 A & B, or permission of the instructor to take the course. This course is a continuation of the independent work from Art 3. The student will work independently in their own field of interest, they will also have the opportunity to explore and experience, in detail, the job possibilities in the Art field.

HS 8514 B  Art 4B
The second semester of this course will be a continuation of semester one. Semester two may be taken without having taken semester one with special permission of the instructor.
English/Language Arts

HS 0171 A/B  Ramp-Up Lit A/B
Quincy High School is pleased to offer an intensive secondary reading course. Typically, students who qualify for this course are two or more years below their current grade level in reading. A student’s placement into this class is a result of his or her current reading level as scored on the Scholastic Reading Inventory and/or the NWEA assessment as well as his or her overall teacher observations. If students completely immerse themselves into this class, they have the ability to raise their reading by two grade levels. The intent of this course is to create competent readers and writers by total immersion in both reading and writing. To encourage students to read more, choose books that fit their reading level, and to write and talk about them in depth, is the immediate goal. The long-range goal is to create lifelong readers and learners—a community of literate, knowledgeable adults. The program rests on the following basis:

- improving students’ access as well as ability to understand a wide variety of reading materials
- aiding students’ selection and evaluation of these materials
- providing time in school to read, write, and discuss. Students will, therefore, participate in a reading and writing workshop curriculum.

Ramp-Up Lit A and B are combined as a two-semester course. During the time set aside by Quincy High School for this course, students will be reading and writing at their own pace. Books used will be a mixture of narrative and informational tests. The teacher will act as a facilitator of learning as she assist students in reading and writing in variety of narrative and informational genres. In addition, students will engage in an ongoing dialogue with teacher and peers about the reading and writing that emerges from the class.

HS 1101 A  Literacy Navigator A
An intervention class designed to help students, mainly freshmen, with informational text reading strategies.

HS 1101 B  Literacy Navigator B
An intervention class designed to help students, mainly freshmen, with informational text reading strategies.

HS 1150 A  English 1A  Grades 9-12
English 1A and English 1B are combined as a two-semester survey course that includes the study of the elements of short stories, novels, drama, poetry, and informational texts. Writing is emphasized and is directly connected to the literature studied. The course will focus on the central themes of self-reliance and interrelationships. Students will improve their reading, writing, speaking, listening, and analytical skills through individual and whole class study of literature, discussion, unit projects, journals, and a variety of writing forums. Grammar will be reviewed and vocabulary will be improved. English 1A will address study skills, short stories and their literary elements, career exploration, and the study of Shakespeare’s Romeo & Juliet.

HS 1150 B  English 1B  Grades 9-12
English 1B is a continuation of English 1A. As with English 1A, students will develop their thinking skills through the integrated study of reading, writing, speaking, and listening. English 1B will incorporate the anchor texts of Homer’s The Odyssey and Harper Lee’s To Kill a Mockingbird. Students will also read an independent novel and learn how to construct and develop literary analysis essays.
English 2A and 2B are a combined two-semester course for students who have successfully completed English 1A and 1B. The central theme, Critical Response and Stance-Relationships is examined through the study of four texts of 19th and 20th Century American Literature. Linking texts (short stories, poetry, and informational selections), writing, speaking, and listening activities support each of the four anchor texts. Study of rhetoric, grammar, and vocabulary are also integrated into each unit. In English II A, students will read and study Lorraine Hansbury’s A Raisin in the Sun and John Steinbeck’s Of Mice and Men. Focus will also be on reading and writing about poetry using the College Board’s TPCASTT method of approaching poetry.

English 2B is a continuation of English 2A. Anchor texts are Arthur Miller’s The Crucible and Mark Twain’s The Adventures of Huckleberry Finn. Students will continue to develop MLA style research based writing.

English 3A and 3B are a combined two-semester course for students who have successfully completed English 1 and 2. The central theme, Transformational Thinking, is examined through the study of four texts of world literature. Linking texts (short stories, poetry, and informational selections), writing, speaking, and listening activities support each of the four anchor texts, which include a Lit Circle Unit, and Elie Wiesel’s Night and A Dollhouse by Henrik Ibsen in English 3A. The study of rhetoric, grammar, and vocabulary are emphasized in preparation for the Michigan Merit Exam as well as research-based writing.

Pre-requisite: Successful completions of English 3A. This course is a continuation of English 3A. Literature studied includes Shakespeare’s MacBeth and George Orwell’s novels, Animal Farm and 1984.

Pre-requisite: Application and approval of instructor. (Applications available through the counselor or advisor—Mrs. Spalding) This year long course is open to students who are interested in exploring the field of journalism. During this first semester course, the students will study the history and power of the media, the freedoms and responsibilities of the press and its journalists, as well as media ethics. Students will gain experience in reporting, writing, editing, layout, and design using available technologies. This course is intended to provide students a training ground for producing the school newspaper during the next two semesters. Students should sign up for both Publications 1A & 1B.

This second semester course is the continuation of Publications 1A during which the students will produce the school newspaper.

Yearbook Productions, in general, is a full year course. The Yearbook business manager and Yearbook Editor are required to take the class for the full year. Pre-requisite for Course: Application for class required. Freshmen may be considered under recommendation of middle school yearbook advisor and English instructor. Yearbook Productions I is a challenging process. Yearbook Productions I [like II, III, and IV] is a project-based learning opportunities for students who will apply communications skills, both written and visual, and use technology to create and market real-world products of historic value.
HS 1311 B Yearbook B Grade 9-12
Continuation of Yearbook A

HS 1351 A Pre AP English A Grades 11-12
Pre-requisite: By application during scheduling. This course is designed to prepare students who have excelled in English 1 and 2 for the AP English Literature course. Disciplined time management (including summer reading) and self-directed learning are essential. The central theme, *Transformational Thinking*, is supported through three anchor texts - Mary Shelley’s *Frankenstein*, Shakespeare’s *Macbeth*, and J.S. Salinger’s *The Catcher in the Rye*, and corresponding linking texts. Process writing will focus on literary analysis.

HS 1351 B Pre AP English B Grades 11-12
This course is a continuation of Pre-AP English A. Anchor texts for semester B include *Beowulf*, Chaucer’s *Canterbury Tales*, and Hawthorne’s *The Scarlet Letter*. Process writing will focus on literary analysis and research based writing.

HS 1401 A English 4A Grade 12
English 4A and 4B are a combined two-semester course for students who have successfully completed English 1, 2, & 3. The central theme, *Leadership Qualities*, is examined through the study of three texts and an individualized senior project. Linking texts (short stories, poetry, and informational selections), writing, speaking and listening activities support each of the anchor texts, which include *The Great Gatsby* and *Antigone* in English 4A. The study of vocabulary, writing for various purposes, and applied communication exercises are also included in the first half of the senior course.

HS 1401 B English 4B Grade 12
Pre-requisite: Successful completion of English 4A. This course is a continuation of English 4A. Literature includes *Hamlet* by William Shakespeare and the materials necessary to support the student’s individualized senior project. The course will include closure experiences that will generate ideas on how students can use their talents and strengths to create a vision of the type of world in which they desire to live.

HS 1450 A AP English A Grade 12
Pre-requisites: successful preparation of Pre-AP English. It is a year-long course for college bound students. This course is designed to prepare students for the College Board AP English Literature exam but is also a college preparatory course to further develop students’ thinking skills through the advanced study of reading, analyzing literature, rhetoric and writing. Students who enroll in this course must commit to disciplined time management; the class reads nine anchor texts as well as poetry, short fiction and literary criticism. Writing ranges from compact AP style literary analysis to developed literary analysis process essays. Literature studied in Semester A includes Bible as literature (allusions), a review of Greek mythology, Ernest Gaines’ *A Lesson Before Dying*, Sophocles’ *Oedipus Rex* and *Antigone*, Shakespeare’s *Hamlet*, and a broad range of poetry. Students also read independent novels from the A.P. list.

HS 1450 B AP English B Grade 12
AP English B is a continuation of Semester A. Literature studied includes Fitzgerald’s *The Great Gatsby*, Miller’s *Death of a Salesman*, Williams’ *A Streetcar Named Desire*, Shaw’s *Pygmalion*, Shakespeare’s *A Midsummer Night’s Dream* and continued study of poetry. In addition to a focus on research-based writing, students continue to work with compact AP style literary analysis and poetry explications. During the second semester, students complete their comparative closure essay and prepare extensively for the AP exam.
Foreign Language

HS 5010 A  Spanish 1A  Grade 9-12
Spanish 1A is the first semester in a two semester sequence for beginning Spanish. Students enrolled in the course will learn introductory Spanish vocabulary, grammar, and culture. Daily reading, writing, speaking, and listening comprehension in the target language are the focus of the class.

HS 5010 B  Spanish 1B  Grade 9-12
Pre-requisite: Successful completion of Spanish 1A. Spanish 1B is the second half of the two semester Spanish 1 series. Students enrolled in the class will build on abilities gained in Spanish 1A. Daily reading, writing, speaking, and listening comprehension in an increasingly wide variety of situations will be the focus of the class.

HS 5020 A  Spanish 2A  Grade 10-12
Pre-requisite: Spanish 1A & 1B with a minimum B/C average or special permission from instructor; Level 2 proficiency test score. Spanish 2A continues the study of vocabulary, grammar, and culture as begun in the Spanish 1 sequence. Additional emphasis is placed on the actual use of the target language in a variety of situations and the course incorporates the study of Spanish novels, music, and history along with the continued study of the language itself.

HS 5020 B  Spanish 2B  Grade 10-12
Pre-requisite: Successful completion of Spanish 2A. Spanish 2B is the second half of the two semester Spanish 2 series. It is a continuation of the topics emphasized in Spanish 2A with increasing emphasis on the exclusive use of the target language with a richer variety of vocabulary and grammar. Music, novels, and role plays begin to take a larger role than textbook study.

HS 5030 A  Spanish 3A  Grade 11-12
Pre-requisite: Completion of the Spanish 1 and 2 sequence with a B/C average or better or special permission from the instructor. Extensive use of conversational Spanish is stressed. A variety of activities and situations force students to speak Spanish with a rich vocabulary and in varied verb tenses. Students will continue to experience Spanish through in class dialogue, readings, listening exercises, music, movies, and more. Successful students will attain proficiency with a wide variety of verb forms and will begin to gain the ability to “think” in the Spanish in vocabulary familiar situations.

HS 5030 B  Spanish 3B  Grade 11-12
Pre-requisite: Successful completion of Spanish 1 A&B, 2 A&B, and 3A or special permission from instructor. A continuation of Spanish 3A. Continued emphasis on conversation Spanish with increased time spent in a “Spanish only” environment. Functional fluency is the goal as students will see, hear, and use Spanish through conversation, text, music, and multi-media activities.

HS 5040 A  Spanish 4A  Grade 12
Pre-requisite: Completion of the Spanish 1-3 series with a B/C average or better or special permission from the instructor. In the 7th and 8th trimesters of Spanish study emphasis is on continued mastery of comprehension, conversation, and the full use of correct Spanish grammar. Students who began to attain limited fluency in the Spanish 3 sequence will attain the ability to think in the target language. Textbook use is very limited with greater focus on verbal activities and functional fluency in a variety of situations. Successful students will, at the conclusion of this course, be able to communicate effectively in Spanish in conversation and in writing.
HS 5040 B  Spanish 4B  Grade 12  
Pre-requisite: Completion of the Spanish 1-3 series with a B/C average or better or special permission from the instructor. In the 7th and 8th trimesters of Spanish study emphasis is on continued mastery of comprehension, conversation, and the full use of correct Spanish grammar. Students who began to attain limited fluency in the Spanish 3 sequence will attain the ability to think in the target language. Textbook use is very limited with greater focus on verbal activities and functional fluency in a variety of situations. Successful students will, at the conclusion of this course, be able to communicate effectively in Spanish in conversation and in writing.

HS 5050 A  Spanish 5A  Grade 12  
An extended Spanish language option for seniors who have completed the Spanish 1-4 sequence and intend to continue with foreign language study beyond high school. Level 5 students will increase speed of thought and fluency in the foreign language through the experience. Readings from various Spanish and Latin American authors and work with more advanced grammar structures will also be included in the curriculum, along with additional vocabulary. Spanish 5 will be scheduled with Spanish 3 & 4.

HS 5050 B  Spanish 5B  Grade 12  
The second semester of this course will be a continuation of the first semester.

Mathematics

HS 0172 A Ramp-Up Algebra A  
The first half of the Ramp up Algebra sequence. This course uses the University of Chicago Algebra Textbook and the Ramp up Algebra series. Topics include positive and negative numbers, multiplication and division of fractions, order of operations, evaluating expressions, graphing, using the distributive property, combining like terms, solving equations with one variable, using exponent rules, and using the Pythagorean Theorem.

HS 0172 B Ramp-Up Algebra B  
The second half of the Ramp up Algebra sequence. A continuation of the curriculum begun in Ramp up Algebra A.

HS 3250 A  Algebra 1A  Grade 9-12  
The first half of the Algebra 1 sequence. This course uses the University of Chicago Algebra Text. Topics include significant work in statistics, probability, and geometry as well as traditional Algebra 2 topics such as equation solving, data analysis, and working with integers and exponents. There is a strong emphasis on reading and the use of scientific and/or graphing calculators and computers.

HS 3250 B  Algebra 1B  Grade 9-12  
The second half of the Algebra 1 sequence. A continuation of the curriculum begun in Algebra 1A.

HS 3350 A  Geometry A  Grade 9-12  
The first half of the geometry sequence. This course utilizes the UCSMP Geometry text. Plane and solid geometry and some formal proofs are included in the curriculum. Students will explore the geometric patterns and relationships found in science and nature and will have the opportunity to utilize computer aided drawing programs to illustrate those patterns and relationships. Critical thinking skills are emphasized.
HS 3350 B  Geometry B  Grade 9-12
The second half of the geometry sequence. A continuation of the curriculum begun in Geometry A.

HS 3450 A  CP Algebra 2A  Grade 10-12
Pre-requisite: Geometry. The first half of the Algebra 2 sequence. This course uses the UCSMP Advanced Algebra text. Students will become proficient in using algebraic expressions and functions to model real-world situations. Integrated throughout is work with geometry and with graphing calculators. The course may be taken concurrently with geometry with special permission from the instructor.

HS 3450 B  CP Algebra 2B  Grade 10-12
The second half of the Algebra 2 sequence. A continuation of the curriculum begun in Algebra 2 A.

HS 3451 A, B, C & D  Algebra 2  Grade 11-12
Pre-requisite: Successful completion of Geometry, teacher permission. This is a two year course designed for non 4-year college bound students. This course will fulfill the graduation requirements of the state of Michigan and be built around the Michigan Course Content Expectations. It will also include a review unit in preparation for the ACT and MME exams. The first year will cover topics in these areas: Sequences and Functions, Variation, Linear Functions, Systems with Matrices, Quadratics, and Powers, Inverses, and Radicals. The second year will cover topics in these areas: Exponential and Logarithmic Functions, Trigonometry, Polynomials, Exploring Data, Circular Functions, Probability and Permutations.

HS 3553  Personal Finance  Grade 12
Pre-requisite: CP Algebra 2 or Algebra 2 A, B, C, & D sequence. This course explores budgeting, taxes, investments, and common expenses students will experience in adulthood. Banking and insurance will also be discussed. Other topics include using credit and debit accounts and managing student/personal loans.

HS 3554  Statistics  Grade 12
Pre-requisite: CP Algebra 2 or Algebra 2 A, B, C, & D sequence. The content of this course includes the exploration of data and models through circular, trigonometric, root, power, polynomial and logarithmic functions, probability and simulation, sequences, series and combinations, and binomial and normal distributions. Students will learn how these various topics are integrated and applied to real-world situations. This course enables students to display, describe, transform and interpret numerical information represented as data, graphs, or equations. It integrates statistical and algebraic concepts and also previews calculus in its work with functions and trigonometry and in its development of intuitive notions of limits.

HS 3659 A  Pre-Calculus A  Grade 11-12
Pre-requisite: CP Algebra 2. The content of this course includes mathematical logic and reasoning, analyzing functions, equations and inequalities, integers and polynomials, rational numbers and functions, trigonometric identities and equations, recursion and mathematical induction, polar coordinates and complex numbers. This course thoroughly integrates and makes connections to other areas of mathematics, to other disciplines, and to the real world. Students learn to use mathematics effectively through problem-solving experiences that include use of higher-order thinking skills in a wide variety of problem types.

HS 3659 B  Pre-Calculus B  Grade 11-12
The second half of the Pre-Calculus sequence. A continuation of Pre-Calculus.
HS 3670 A  AP Calculus A  Grade 10-12
Pre-requisite: PDM. This course aims at helping students understand the fundamental concepts of Calculus: limits, derivatives, and integrals. Multiple representations of functions (graphical, numerical, algebraic and verbal) deepen these concepts by allowing students various ways to access and coordinate knowledge. The material covered will prepare students for the Calculus exam.

HS 3670 B  AP Calculus B  Grade 10-12
The second semester of this course will be a continuation of the first semester.

Music

HS 8000 A  HS Band A  Grade 9-12
High school band is a yearlong instrumental music course with instruction building on skills acquired in middle school band. Involvement includes performances and rehearsals outside of normal school hours. Students may participate during all four years of high school. Enrollment requires successful completion of 6th 7th and 8th grade band or approval from the instructor.

HS 8000 B  HS Band B  Grade 9-12
Continuation of HS Band A

HS 8010 A  Vocal Music A  Grade 9-12
Vocal Music is open to any student interested in learning to sing. Involvement includes some performances and rehearsals outside of normal school hours.

HS 8010 B  Vocal Music B  Grade 9-12
Vocal Music is open to any student interested in learning to sing. Involvement includes some performances and rehearsals outside of normal school hours.

Physical Education

HS 7200 A  Physical Education  Grade 9-12
Requirement: 1 semester. Students will focus on both physical fitness and a variety of lifetime sports throughout the semester. Emphasis will be placed on developing fundamental athletic skills, teamwork, and sportsmanship. Sport offerings will be among: golf, football, lacrosse, pickleball, volleyball, basketball, team handball, bowling, tennis, softball, and badminton.

HS 7400 A  PE Weight Training A  Grade 10-12
Pre-requisite: Physical Education with a 3.0 or higher GPA and/or instructor approval. The class can be taken any and/or all terms. A student will progress through a progression of weight training techniques, principles, basic anatomy, physiology and lifts. There will also be a fitness related activity day every week. The daily routine of this class will require students to complete workouts that will be physically challenging.

HS 7400 B  PE Weight Training B  Grade 10-12
Pre-requisite: Physical Education with a 3.0 or higher GPA and/or instructor approval. This section will meet during the second semester.
HS 7600  Health  Grade 9-12
Requirement: 1 semester. Throughout the semester, students will focus on developing positive decisions making skills related to their lifetime health. A variety of health topics will be discussed with an emphasis on personal health, emotional health, reproductive health, and drugs education.

Science

HS 4050 A  Physical Science A  Grade 9-12
This course is one of a two-semester requirement in 9th grade science. Physical science is the first year of a three year required science literacy program. These two semesters will cover all of the NGSS Physical Science performance expectations that will appear on the M-Step. Students will gain understanding of the basic principles of chemistry, including structure and properties of matter and chemical reactions. This course prepares students for the M-Step, for future biology and chemistry coursework, and for college. Coursework in this class contains a significant amount of laboratory work and other hands on projects.

HS 4050 B  Physical Science B  Grade 9-12
This course is one of a two-semester requirement in 9th grade science. Physical science is the first year of a three year required science literacy program. These two semesters will cover all of the NGSS Physical Science performance expectations that will appear on the M-Step. Students will gain understanding of the basic principles of physics, including forces and interactions, energy, waves and electromagnetic radiation. This course prepares students for the M-Step, for future physics coursework, and for college. Coursework in this class contains a significant amount of laboratory work and other hands on projects.

HS 4220 A  Biology A  Grade 10-12
Pre-requisite: Physical Science
This course is the first semester of a two-semester requirement in Biology. Successful completion of both Biology A and B will fulfill the second year (2 semesters) of a three-year science literacy program. The course will cover NGSS standards which will be tested on the M-Step. During this course students will gain an understanding of the organization and development of living systems which includes cell structure, differentiation and specialization, organic molecules, homeostasis, energy transfer and cell division.

HS 4220 B  Biology B  Grade 10-12
Pre-requisite: Physical Science and Biology A
This course is the second semester of a two-semester requirement in Biology. During this course students will gain an understanding of genetics including topics such as DNA, genetic variation and biotechnology. Students will also study evolution and natural selection, and classification

HS 4221 A  Advanced Biology A  Grade 11-12
Pre-requisite: C or better in Biology. Course will focus on anatomy and physiology of the human body. First semester will focus on structures and function, body orientation and organization, cells, histology, and the circulatory and respiratory systems.

HS 4221 B  Advanced Biology B  Grade 11-12
Pre-requisite: C or better in Biology and Advanced Biology A. A continuation of Advanced Biology A. Focus will be on the digestive, skeletal, muscular, and endocrine systems as well as the senses.
HS 4300 A  Chemistry A  Grade 11-12
Pre-requisite: Physical Science A and B; Passes or concurrent with Algebra 2 or Chemistry teacher’s permission. Course Length: 1 Semester. Chemistry A will review some of “Chemistry Essential Content Expectations” and will cover “Chemistry Core Content Expectations” that will appear on the Michigan Merit Exam (MME). Successful completion of Physical Science A (Essential Expectations), Chemistry A, and Chemistry B (Essential and Core Expectations) will fulfill the State of Michigan’s requirement in attaining credit in Chemistry. Chemistry is the study of matter, as well as its properties and reactions. Chemistry A topics will include: Matter and Energy; Atomic Structure; Electron Configuration; Chemical Nomenclature; and Mathematics of Chemical Formulas. Correct laboratory skills will be practiced and mastered.

HS 4300 B  Chemistry B  Grade 11-12
Pre-requisite: Physical Science A and B; Passes in Chemistry A; Passes or concurrent with Algebra 2 or Chemistry teacher’s permission. Course Length: 1 Semester. Chemistry B is the continuation of Chemistry A. This course will continue to develop some of the “Chemistry Core Content Expectations” that will appear on the Michigan Merit Exam (MME). Successful completion of Physical Science A (Essential Expectations), Chemistry A, and Chemistry B (Essential and Core Expectations) will fulfill the State of Michigan’s requirement in attaining credit in Chemistry. Topics to be covered in Chemistry B are: continuation of the development of Mathematics of Chemical Formulas; Bonding; Enthalpy; States of Matter; Solutions; Acid and Bases; Equilibrium and Entropy; Oxidation/Reduction Reactions; and Carbon Chemistry. This course will also continue towards the mastery of laboratory skills.

HS 4305 A  Advanced Chemistry A  Grade 11-12
Pre-requisite: Passes in Chemistry A and B, in Algebra 2, and Chemistry teacher’s permission. Course Length: 1 Year (2 Semesters). Advanced Chemistry is a laboratory course which provides an opportunity for students to make a comprehensive investigation of chemistry equivalent to an introductory college-level course and is especially appropriate for students planning a career in chemistry, chemical engineering, or the medical sciences, or the non-science major that is planning on opting out of an introductory science course in college. Students study topics including inorganic and organic chemistry, physical chemistry, qualitative analysis, nuclear chemistry, and electrochemistry. The curriculum is aligned with College Board guidelines. AP college credit is possible for those who pass the AP examination at the end of the year.

HS 4305 B  Advanced Chemistry B  Grade 11-12
Pre-requisite: Passes in Chemistry A and B, in Algebra II, and Chemistry teacher’s permission. Course Length: 1 Year (2 Semesters). This course is the second trimester of Advanced Chemistry, which is a continuation of Advanced Chemistry A.

HS 4400 A  Physics A  Grade 11-12
Pre-requisite: Successful completion of Physical Science A and B, Biology A and B, as well as College Prep Algebra 2 A and B. Physics A will cover some of the State of Michigan's Physics Core Content Expectations and prepare the student for the SAT, future science classes and perhaps future careers in science. Included will be the following topics: Newtonian physics, circular motion, energy-work-power, momentum, thermodynamics, and gravitation.

HS 4400 B  Physics B  Grade 11-12
Pre-requisite: Successful completion of Physics A. Included in the second semester of physics are the following topics: wave theory, sound, light, electricity, and magnetism.
HS 4401 A  Physics P/T A  Grade 11-12
Physics (P/T) is a physics course designed to emphasize the application and understanding of basic principles of physics in real world situations. Students will study, apply, evaluate and quantify the concepts of force, resistance, power, energy transformations, and factors affecting the rates at which natural processes occur. Various types of mechanical, fluid, and electrical systems will be utilized in the course. Laboratory experiments and demonstrations will be maximized to provide the learner with as many hands-on experiences as possible. Students should have a good working knowledge of basic algebra and should demonstrate competence with a calculator. This course would be appropriate for students who wish to fulfill the three credit science requirement for graduation and don’t necessarily plan to pursue the science field after graduation. The course would also be beneficial for those students who have fulfilled the graduation requirements but wish additional preparation in the study of physics.

HS 4401 B  Physics P/T B  Grade 11-12
Continuation of Physics P/T A

Social Studies

HS 2300 A  U.S. History A  Grade 9
This full year course introduces students to the history of the United States with a focus on the Industrial Age to the protests of the 1960s. Adopting a chronological approach, students analyze the causes and effects of events in the nation’s past. They will use primary and secondary sources to explore time and place in the twentieth century. Throughout the course students learn to develop important questions, conduct inquiry, and evaluate evidence. They also read a variety of historical arguments and develop skills in writing evidentiary-based arguments themselves. By helping identify common and diverse strands that formed and continue to shape life in America, students develop the habits of mind essential for democratic citizenship.

HS 2300 B  U.S. History B  Grade 9
This class is a continuation of A. This course introduces students to the history of the United States with a focus on the Industrial Age to the protests of the 1960s. Adopting a chronological approach, students analyze the causes and effects of events in the nation’s past. They will use primary and secondary sources to explore time and place in the twentieth century. Throughout the course students learn to develop important questions, conduct inquiry, and evaluate evidence. They also read a variety of historical arguments and develop skills in writing evidentiary-based arguments themselves. By helping identify common and diverse strands that formed and continue to shape life in America, students develop the habits of mind essential for democratic citizenship.

HS 2340 A  World History A  Grade 10-12
This two semester course will analyze human history from the first civilization to modern day. Students will link common strands in the history of most countries and civilizations around the world. Understanding of world history will be displayed by completing extensive writings, tests and the construction of projects.

HS 2351 B  World History B  Grade 10-12
The second semester is a continuation of the first semester of World History.
**HS 2400 A  Economics**
Economics is a one semester class, which is required for graduation. This course covers the basics of economics with an emphasis on personal finance. Units covered in this course include: Economic Systems, Demand, Supply, Prices, Financial Markets, and Personal Finance. Personal Finance will be covered with a simulation in which students will have hands-on experience making financial decisions that affect an identity they create.

**HS 2400 B  Government**
United States Government is a one semester class, which is required for graduation. This one-semester course deepens students’ knowledge of government, with a particular focus on national, state, and local government in America. Through discussion and writing, they practice making reasoned decisions about matters of public policy. Students engage in investigations, analysis, and arguments about civic life in the United States and the role of the United States in the world. In making reasoned and evidentiary-based interpretations, arguments, or decisions, they frame important questions, locate and analyze appropriate evidence and data, consider differing points of view, and apply concepts and principles of American constitutional democracy. Through participating in democratic deliberations around public policy issues students strengthen their understanding of the legal rights and accompanying responsibilities shared by all citizens.

**HS 0671  Dual Enrollment**
See description under Dual Enrollment information on page 10

**HS 0675  Independent Study/Research**
This is a highly limited option for students wishing to pursue an advanced study in a field or curriculum not offered at Quincy High School. The Independent Study Elective requires the student to apply for admission by submitting a proposal and portfolio as evidence of content area ability, dedication to the completion of major projects, and interest in a topic to the Independent Studies Coordinator. Upon receiving approval for the proposal and portfolio, the student will complete a management plan for the study. Specific requirements for earning ½ credit (minimum of 60 hours) will be determined by the student, coordinator, and mentor(s), as approved by the high school principal.

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**BACC CAREER AND TECHNICAL EDUCATION PROGRAMS FOR 2017-2018**
Please be aware that students may select the program they wish to attend but they will be assigned the AM or PM session depending on the final schedule of courses. Please meet with your counselor if you are interested in attending the BACC in your Junior or Senior year at QHS. Below is a description of the available BACC programs. Students must complete the first year of any program to be considered for enrollment into the second year. **All level 2 programs (2nd year) are only for senior students.**

- 079R01  FANUC ROBOTICS/Comp&Net – Semester 1
- 079R03  FANUC ROBOTICS/Comp&Net – Semester 2
- 079R05  FANUC ROBOTICS/Welding – Semester 1
- 079R13  FANUC ROBOTICS/EAET – Semester 1
- 079R07  FANUC ROBOTICS/EAET – Semester 2
- 079R11  FANUC ROBOTICS/CAD – Semester 1
- 079R09  FANUC ROBOTICS/CAD – Semester 2
Semester – 1.5 credits - 12th grade
The FANUC robotics certification course is designed for students interested in becoming an Engineer and working with automation robotics and modern manufacturing. The student will learn the tasks a programmer, technician or engineer will need to setup, navigate and program a FANUC Robot. The students will learn robot safety practices, terminology, programming, and file manipulation. We incorporate hands-on training with a FANUC robot and virtual training utilizing FANUC’s program simulation software. Please see your counselor for further enrollment information and requirements. OR successful completion of Year 1; 12 segments of CAD/CAM, C&N EAET, or Welding.

079T03  ENVIRONMENTAL & AGRICULTURAL SCIENCES 1
Year – 3 credits - 11-12th grade
Students explore over three hundred (300) careers within the field of agriculture, and have an opportunity to complete job shadow experiences. They will be involved in “hands-on” agri-science subject areas such as animal and veterinary science, water quality studies, crop and soil sciences, agri-science research, aquaculture, and horticulture. EAS students work in real-life situations on the 180 acre land lab, which includes housing for 5 different species of livestock, 150 acres of crops, two greenhouses, and a Michigan Native Tree Arboretum. In addition they will be a member of the National FFA Organization and involved in leadership skill development activities.

079T05  ENVIRONMENTAL & AGRICULTURAL SCIENCES 2
Year – 3 credits – 12th grade
This course is offered to those students who have successfully completed Environmental & Agricultural Sciences 1. Students will be involved in activities related to Environmental and Agribusiness careers, job readiness, and leadership skill development preparing them for high skill, high wage careers in Agriculture and Natural Resources. Students will also enhance their skills through structured agri-science activities designed to meet the college preparatory and articulation requirements approved by Michigan State University. Job shadow placements and work experience opportunities assist students in exploring career interests. Qualified second year students may also select from a variety of On-The-Job Training (OJT) placements.

079T09  AUTOMOTIVE TECHNOLOGIES 1
1st year - 3 credits - 11-12th grade
The Automotive Technologies program at the BACC is a two year NATEF certified program that teaches to the MLR (Maintenance and Light Repair) level. Taking this program will prepare students for either an entry level position in the repair field, or prepare them for further education; possibly with one of our several accredited college partners. The first year program is aimed at teaching shop safety, shop tools, and basic skills. Once the basic skills are mastered, students will then focus on 8 areas. The areas are: engine repair, automatic transmissions, manual transmissions, Steering and Suspension, Brakes, Electrical Repair, Heating and Air Conditioning, and Engine Performance.

079T11  AUTOMOTIVE TECHNOLOGIES 2
2nd year - 3 credits - 12th grade
Automotive technologies 2 program is offered to students who successively completed automotive technologies 1. The second year of Automotive Technologies is a continuation of the first year with students working on the remaining two categories that were not covered in the first year. More hands-on training is offered with opportunities to work on customer’s vehicles, some student vehicles, on-the-job training, job shadowing, and work experience. Emphasis is placed on second year students being capable of entry level position duties and/or further education, possibly with one of our several accredited college partners.
079T17 BUSINESS, MANAGEMENT, MARKETING, AND TECHNOLOGY 1
Year – 3 credits – 11-12th grade

Students in Business, Management, Marketing, & Technology learn the day-to-day operations of a business, including purchasing from other businesses, completing accounts payable/receivable and payroll transactions, creating business correspondence and advertising, and managing human resources. BMMT students utilize the latest business technology required to carry out business operations. Students get hands-on experience in the BMMT businesses – The Corner Store, a retail operation, and Images, Etc., a screen-printing/embroidery production business. Students will become entrepreneurs as they start their own businesses, from start to finish – including completion of a comprehensive business plan. In addition, students with an interest in accounting may qualify for the specialized accounting component. Former students have pursued degrees in Business Administration, Finance, Marketing, Management, Graphic Design, and Accounting.

079T19 BUSINESS, MANAGEMENT, MARKETING, AND TECHNOLOGY 2
Year – 3 credits – 12th grade

Students successfully completing BMMT are eligible to apply for second year opportunities. They may explore career options while working in a variety of real business settings through OJT positions or intern rotations, earn additional articulated credit from area colleges, or receive software certifications valued by employers. Those who have successfully completed the Accounting I component may be selected for the Accounting II component during their senior year as part of their second year plan.

079T21 CAD-CAM ENGINEERING & ARCHITECTURE 1
Year – 3 credits – 11-12th grade

CAD-CAM Engineering & Architecture is a program where students learn basic skills in Computer Aided Design, Machine Tool Technology and Architecture. First year students learn CAD fundamentals, as well as advanced drafting and design using state of the art software. Students also learn how to operate all types of Precision Machines, including CNC. Emphasis is placed on design creativity, as well as mastery of CAD-CAM programs. Students are also introduced to Architecture and Graphic Design. Students who wish to emphasize these subjects their senior year will spend more time in this subject area.

079T23 CAD-CAM ENGINEERING & ARCHITECTURE 2
Year – 3 credits – 12th grade

Second year students in CAD-CAM Engineering & Architecture use basic skills for applied 3D Design in engineering and architecture, as well as 3D Animation & Visualization. Second year students will learn design concepts with hands-on experience. CAD-CAM programming and advanced CNC operation is used by engineering students to design, program and manufacture tools, parts and machines in the CNC machine shop. Some students will work on engineering prototyping machines in the CAD lab. Architecture students learn to master both 2D and 3D state-of-the-art architectural software, while learning many aspects of residential and commercial architecture. Second year students may be eligible for FANUC Robotics training and certification.

079T25 COLLISION REPAIR & COATINGS TECHNOLOGIES 1
Year – 3 credits – 11-12th grade

A person taking the Collision Repair and Coatings Technologies program should have an interest in cars. The various tasks you perform are numerous and range from minor to major collision repair, panel replacement, frame repair, estimating damage, mig welding, sanding, masking, painting, and custom air brushing. Students have the opportunity to be State and EPA certified.
079T27  COLLISION REPAIR & COATINGS TECHNOLOGIES 2
Year – 3 credits – 12th grade
The second year of Collision Repair & Coatings Technologies provides more hands-on work to build upon the first year’s skills. For qualified second year students, there are opportunities for On-the-Job Training (OJT), Work Experience, and Job Shadowing. Students have the opportunity to be state and EPA certified.

079T31  CRIMINAL JUSTICE/LAW ENFORCEMENT 1
Year – 3 credits – 11-12th grade
Introduction to Criminal Justice analyzes the processes, institutions and administration of justice in the United States. It examines the crime problem and criminal law; diversion, adjudication and sentencing; explores the correctional system including prisons, jails, inmate rights, probation and parole, and introduces the student to the juvenile justice process. Special attention to contemporary issues and trends in the administration of justice and the Michigan justice structure will be emphasized. The program is designed to train and educate a student to become self-disciplined, vocationally competent, mentally mature, and physically sound. Note: *Enrollment in this program requires an application.* Please see your counselor for further enrollment information and requirements.

079T33  CRIMINAL JUSTICE ALLIANCE 2
Year – 3 credits – 12th grade
This program is offered to students who successfully complete the first year of the program and meet the application criteria. Upon acceptance, students in the Criminal Justice Alliance are exposed through work experience activities, to all aspects of the Criminal Justice system. This exposure may include time with local law enforcement officers, undercover operations, patrol tactics, courtroom procedures, correctional settings, parole and probation. In addition to the basic information learned in the first year, students will learn about personal protection techniques, traffic investigation, and narcotics investigations. Exposure to the correctional processes would include inmate intake and release, property management, and prisoner control. Students accepted into this program are eligible to dual enroll in two college classes offered during school hours through Kellogg Community College. You must have completed the 1st year of the program.

079T39  EARLY EDUCATION 1
Year – 3 credits – 11-12th grade
In the Early Education program students learn about child development and how to work with young children (birth to 8 years). They will plan and implement developmentally appropriate activities to enhance physical, cognitive, social and emotional growth. Students will be involved in work experience activities three days per week, working directly with young children. Work sites include Head Start and Great Start Readiness Preschool programs, and Developmental Kindergarten (young fives) school settings. BACC has an onsite preschool lab (Tot Spot Community Preschool) for eligible seniors working toward earning a Child Development Associate Credential (CDA), ACT Work Proficiency Certificate for Teaching Assistants, and Work Keys Career Readiness Certificate. Students have the potential to earn six articulated college credits.

079T41  EARLY EDUCATION 2
Year – 3 credits – 12th grade
Early Education 2 is offered to those students who have qualified to be eligible for the second section. Studies continue in the areas of early childhood, growth and education strategies. Work experience activities continue four days per week in the Branch Area Careers Center Tot Spot Preschool Lab and area Early Education settings for the Child Development Associate Credential (CDA), ACT Work Proficiency Certificate for Teaching Assistants, and Work Keys Career Readiness Certificate. Students have the potential to earn six articulated college credits.
079T47  ELECTRICAL & AUTOMATION ENGINEERING TECHNOLOGIES 1
Year – 3 credits – 11-12th grade
This course is open to students interested in working with science, technology, engineering and math. The program provides a solid background in pre-engineering concepts for the electrical industry such as DC/AC electrical theory, industrial and commercial electrical systems, and motor controls logic systems. Students will be exposed to many electrical certifications such as OSHA safety, Lock-out/Tag-out, and Arc Flash.

079T49  ELECTRICAL & AUTOMATION ENGINEERING TECHNOLOGIES 2
Year – 3 credits – 12th grade
This course is offered to those students who successfully complete Electrical & Automation Engineering Technologies 1. The Electrical & Automation Engineering Technologies 2 program offers a more in-depth look at advanced careers in the electrical field. Topics covered are industrial motor controls, machine control systems, Programmable Logic Controllers and automated control systems. Second year students will experience FANUC Robotics training and receive certification upon successful completion.

079T51  CULINARY ARTS & HOSPITALITY MANAGEMENT 1
Year – 3 credits – 11-12th grade
The Culinary Arts and Hospitality management program is a two year National Restaurant Association’s Educational Foundation (NRAEF) ProStart Certification course. The NRAEF ProStart curriculum introduces the student to the interrelated industry of lodging, food service, culinary arts, commercial baking, and travel and tourism. Students are also offered the ServSafe Sanitation Certification during their senior year. Students acquire core skills needed for the service industry, fundamentals of professional food preparation and food safety as well as introduction to hospitality and tourism business topics including customer relations, accounting, cost controls, and marketing. Hospitality/Tourism workers are employed by resorts, hotels, cruise ships, convention centers, spring arenas, airlines, travel agencies, schools restaurants, country clubs and health care dietary departments to name a few.

079T53  CULINARY ARTS & HOSPITALITY MANAGEMENT 2
Year – 3 credits – 12th grade
The second year student has increased management responsibilities, along with internship opportunities in local hospitality businesses. Advanced culinary arts students have the opportunity to take the American Culinary Federation general knowledge test in preparation for ACF certification. This is a globally recognized chef certification. Students also have the opportunity to develop a business to show case in an entrepreneurial competition. Students successfully completing the ProStart (NRAEF) certification can earn articulated college credit.

079T59  HEALTH SCIENCE FUNDAMENTALS
Year – 3 credits – 11-12th grade
Health Science Fundamentals is a one year program for juniors or seniors who are interested in a career in healthcare. Students will complete the national foundation skills standards, certification in American Heart Association CPR and First Aid, as well as human anatomy, medical terminology and career exploration. In addition, students will gain valuable insight into the exciting field of healthcare from dedicated healthcare professionals in our community. Juniors successfully completing the program are eligible to apply to and interview for opportunities in OJT, Health Practicum or Health Academy for the senior year. In addition, they may enroll in a two-week Certified Nursing Assistant (CNA) course at the BACC, which will take place immediately following the end of the school year.
**079T61  HEALTH PRACTICUM**  
Year – 3 credits – 12th grade  
The Health Practicum Program is a competitive admissions program open only to those seniors who have successfully completed the Health Science Program as juniors. Selection is by application only, and is limited to twelve student externs. Externs will experience clinical rotations at the Community Health Center of Branch County and several area healthcare providers, where they will learn under the mentorship of practicing professionals. This is an unpaid work experience. Related class includes guest speakers as well as advanced clinical instruction and reflection. The application process includes teacher referral and personal interview.

**079T67  EDUCATION ACADEMY 1**  
Year – 1-2 credits – 11-12th grade  
The Education Academy program is open to those students whose EDP states that they plan on going into the field of education. The students’ education will be site based with a mentor teacher in one of the local schools. Students will work with their mentor teacher to get on-the-job experience into what the education professional encompasses. Students will be placed based on their area of interest in the field of education (classroom teaching, Special Education, athletic director, speech therapy, art, music, library, physical education, etc.) Based on the students’ time available, this course will run for one or two, or three class periods. A parent meeting will be held in the spring, and an application must be completed. Note: Please see your counselor for further enrollment information and requirements. Qualified students may earn articulated college credits through Kellogg Community College and direct credit from Central Michigan University.

**079T75  EDUCATION ACADEMY 2**  
Year – 1-2 credits – 11-12th grade  
This course is offered to those students who have successfully completed a year of Education Academy 1. In addition to the site based experience, students will be given the opportunity to retake the ACT to achieve the necessary state of Michigan level for entry into the education programs at all Michigan universities and colleges (paid for by the BACC). Also, qualified seniors will earn the Work Keys Teacher Assistant Certification which makes them eligible for employment as paraprofessionals. Students will be placed based on their area of interest in the field of education (classroom teaching, special education, athletic director, speech therapy, art, music, library, physical education, etc.) Based on the students’ time available, this course will run for one or two class periods. Qualified students may earn articulated college credits through Kellogg Community College, and direct credit from Central Michigan University and Trine University.

**079T83  WELDING ENGINEERING TECHNOLOGIES 1**  
Year – 3 credits – 11-12th grade  
Welding is a process of joining metal. Metals are heated to their melting point by electric arc or gas flame and merged together with or without filler metal. Welding is the most efficient method of permanently joining metal. Students will learn the five most common welding processes, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Oxy-Fuel Cutting (OFC), and Plasma Arc Cutting (PAC). Students will learn the safe operation of metal working tools and power hand tools. Students will weld basic joint designs in all welding processes in the flat, horizontal, vertical and overhead positions. Students will also learn about metal art and have the opportunity to create sculptures in class.
079T85      WELDING ENGINEERING TECHNOLOGIES 2
Year – 3 credits – 12th grade
Students will weld advanced joint design in all the welding processes and all positions. Fabrication of metal (weldments) utilizing layout diagrams, sketches, prints and verbal instructions will be completed. The second year student will have the opportunity for On the Job Training (OJT). This is a paid internship that is offered after the students complete the necessary requirements in class. Students will take an American Welding Society certification test in the vertical or overhead position as their final practical exam. Second year students may also be eligible for FANUC Robotics training and certification. Students leaving the program will have entry level job skills and will be ready for postsecondary education.

079T93      COMPUTER AND NETWORKING TECHNOLOGY 1
Year – 3 credits – 11-12th grade
The Computer and Networking Technology (CNT) program is for students who love technology and wish to explore the possibility of a technology-related career. In a hands-on way, students learn how computers work, computer troubleshooting, and Computer networking. The BACC CNT program is a Cisco Networking Academy and a member the Microsoft Developer Network. As such, students get access to world-class networking curriculum as well as hundreds of Microsoft developer software titles (with products keys) to use to develop skills outside of class. Successful students will earn the Computing Technology Industry Association (CompTIA) A+, Network+ and Cisco Certified Entry Network Technician (CCENT) Certifications. Articulated college credits are awarded to students who qualify. Please see your counselor for further enrollment information and requirements.

079T95      COMPUTER AND NETWORKING TECHNOLOGY 2
Year – 3 credits – 12th grade
This program is offered to students who successfully complete the first year of the program and meet the application criteria. Upon acceptance, students earn real-world IT experience at local business. This experience may include computer support at the local hospital, banks, and other partnership businesses. Qualifying students may also be eligible for FANUC Robotics training and certification. Prerequisites: Completion of 1st year curriculum with minimum of CompTIA A+ certification, submitted / approved application and recommendation of instructor. Special approved courses of study will be considered.

079T99      HEALTH ACADEMY
Year – 3 credits – 12th grade
The Health Academy is the most rigorous opportunity within the Health Sciences Pathway. It is available to those seniors who have successfully completed the Health Science Program as juniors, by application only. This program is limited to twelve students and is unpaid. Prerequisites include an overall GPA of 3.0 or higher, KCC Accuplacer reading score above 60, personal interview and teacher recommendation. This academically advanced program includes clinical rotations at the Community Health Center of Branch County and other local health care providers, as well as 8 Kellogg Community College credit hours; 4 for Human Anatomy and 4 for Human Physiology. Related class involves thoughtful and challenging bioethical discussions, journal sharing and guest speakers.

079W61      HEALTH SCIENCE OJT PROGRAM
Year – 3 credits – 12th grade
The OJT Program offers paid clinical positions for seniors who have successfully completed the Health Science Program as juniors. Students interview with, and must be hired by, local healthcare institutions. Availability of positions is variable and may change from year to year. The opportunity to participate in the training (OJT) experiences will be determined by the BACC.