

The Soaring Eagle

Program of Studies 2019 – 2020



EXETER TOWNSHIP SENIOR HIGH SCHOOL
201 East 37th Street
Reading, Pennsylvania 19606

610-779-3060

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EXETER TOWNSHIP SHS ADMINISTRATION AND STAFF

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School Office - Option 1
Attendance Line - Option 2
Guidance Office - Option 3

Nurse's Suite - Option 4
Athletic Office - Option 5
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Rebecca Martin
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Athletic Department (610-779-7949)

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Athletic Department: Support Staff

Christina Schmehl
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Health Services:

Therese Knabb, Nurse

Special Education (610-779-7102)

Dr. Suzanne Miller, Director of Student Services
Edward Glassic, Psychologist

It is the policy of the Exeter Township School District not to discriminate on the basis of sex, handicap, race, color or national origin in its educational and vocational program, activities or employment as required by Title IX, Section 504 and Title VI. Inquiries regarding your rights and grievance procedures should be directed to Dr. Suzanne Miller or designee, Compliance Officer, Exeter Township School District, 200 Elm Street, Reading, PA 19606. (Telephone: (610) 779-0700)

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Erin Staub
Dori Weidner
Corey Weir

GRADUATION REQUIREMENTS

The information in items 1 through 3 below pertains to the students' graduation requirements as a whole.

1) Exeter Township School District Credit Requirements: Each student must complete 25 credits in Grades 9 through 12 in order to attain a high school diploma. The curricular outlines on the accompanying pages will assist students in preparing for their further education or employment after graduation from high school. Individualization of these curricular options is possible with the approval of the senior high school principal. However, since the primary goal of each program is to prepare students for life, approved program alterations must result in improved educational opportunities.

The minimum number of credits required in each subject area for graduation is as follows:

English	4
Social Studies	4
Mathematics	4
Science	4
Fitness and Wellness	2
Arts and Humanities	2
Electives	<u>5</u>
TOTAL MINIMUM CREDITS FOR GRADUATION	25

Credit exceptions and scheduling notes:

- Students may substitute designated STEM classes for one math credit and/or one science credit. These STEM substitutions may only be made once in the respective departments in a student's tenure at the high school.
- BCTC students, in order to complete the required hours for their technical certifications, may substitute two credit hours of BCTC for one Mathematics and one Science credit.
- No student schedule may contain more than one study hall period on any day.

2) Community Service Graduation Requirement: Graduating students will have a 30-hour community service requirement (with non-profit organizations). The district suggests that students complete ten hours of community service per year between grades 9 and 12. Starting early is recommended and this must be completed by the end of May – senior year. Community service verification forms are available in the Guidance Office and the Main Office.

3) Pennsylvania State Graduation Requirements: In addition to the credit and community service requirements established by the Exeter Township School District, students will also be required to meet the graduation requirements established by the state of Pennsylvania. At the time of the adoption of this program of studies, those state requirements will affect students graduating in 2022 and can be found described in the [Assessment and Accountability section of the Pennsylvania Department of Education's website](#).

SCHEDULING PROCEDURES

Students are advised to plan their course schedule in relation to their interests, abilities, and career aspirations. Students should follow teacher recommendations for course-level placement and select courses appropriate to their post-high school plans. Also, they should seek the assistance of their parents and counselor. If parents have any concerns regarding course and Career Pathway planning, they should contact their child's counselor.

Academic planning is a year-long process. Students may alter their initial course selections by submitting written parental approval prior to the end of scheduling. Students and parents should carefully select courses for the student's schedule because it is often impossible to affect changes once the Guidance Department has completed the master schedule.

Requests for changes based on teacher preference cannot be accommodated.

Students should contact the Guidance Department prior to the beginning of the semester in order to make changes in their schedules for that semester. However, no changes in a student's schedule will be made after the sixth day of a course without penalty.

Any other reason that may require a change of schedule will cause students to carry a Withdrawal/Failing (WF) grade on their report card, which will affect the grade point average. Changes will be contingent upon space availability and the opportunity for students to make up work missed in the new class. All schedule changes or academic penalties are contingent on administrative approval.

Possible exceptions might include the following circumstances:

- An error is made in sequential assignment.
- The student lacks a necessary prerequisite for a selected class.
- Two classes are offered in the same semester.
- The student has made a shift in course level.
- The student is inappropriately placed as determined by the teacher, school counselor, and the principal.

For schedule changes students follow this procedure:

- A student, a counselor, a parent, or an administrator obtains a course change request form from the Counseling Office and completes the form with the proposed change(s).
- Teachers, parents, and the student's counselor make their recommendations on the form.
- The administration makes a decision on the change.

Course failure: Students who fail a course may elect one of the following:

- Students who fail a course during the regular school year may have an opportunity for credit recovery through our online summer program. In order to be eligible for this credit recovery opportunity a student must have achieved a minimum grade of 50% in the course during the regular school year. Students who fail a class and earn less than 50% will be required to repeat the course.
- Repeat the class at its next availability.

- Substitute an equivalent class

HONORS AND ADVANCED PLACEMENT COURSES:

Some courses are designated as honors courses by nature of their course content and level of student expectation. These courses are labeled on each department's master course listing. Students taking an honors-level course will earn a course ranking value of 1.05.

Through the Advanced Placement Program offered by the College Board, students can receive not only high school, but college credit for a select number of courses, provided they pass a standardized Advanced Placement Test with a score of 3 or better on a 5 point scale. A.P. courses follow a standard college curriculum using college level materials and textbooks. Approved A.P. courses are recognized by many but not all post-secondary institutions, and may exempt students from taking some freshman-level courses upon entering college. Final decisions are made exclusively by the receiving post-secondary institution. The Exeter Township School District strongly encourages students enrolled in Advanced Placement courses to take the A.P. exam.

Students who register for A.P. Courses must be enrolled in and physically attending the ETSD High School and must be able to demonstrate that they can succeed at college-level work in a high school setting. Criteria for entry will include consideration of the following:

- Completion of independent study and/or assignments prior to entering the class
- Teacher recommendation in the subject area of the course
- Previous grades in that subject area
- PSAT scores

The A.P. exam will be offered to students in May of the academic year in which the course is taken. Students taking the A.P. course will receive a course ranking value of 1.10 if they take the exam or a 1.05 if they do not take the exam.

Students and their parents/guardians will be required to sign a form upon registration in the A.P. course to ensure compliance with these terms.

A designation will appear before the course title on the student's transcript, along with an appropriate explanation

Note for Science and Math courses:

- Accelerated courses carry a ranking value of 1.10 if taken with the A.P. component otherwise the course will have a ranking value of 1.05
- Accelerated and A.P. courses must be taken within the same school year (teacher recommendation may allow an exception)

Honors and Advanced Placement Course Criteria:

Honors and AP courses are designed for students who have demonstrated academic success and commitment. Enrollment in an Honors or AP course will be based upon the student's performance in

his or her current course in the subject area and the recommendation of the student's current teacher. A student not currently enrolled in an Honors or AP level course must achieve an A (100 – 92) in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors/AP course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B (91 – 82) in his or her current course in order to enroll in another Honors/AP course in the subject area.

Course Weight, Class Rank and Transition to the Latin Honors System

Courses designated as "honors" receive a weight of 1.05. AP courses receive a weight of 1.10 (contingent on the student taking the AP exam). All other courses have a weight of 1.0. Quality points for a course will be determined in the following manner: Credit x weight (1, 1.05, 1.10) x percentage grade. Weighted GPA is then calculated by dividing total quality points amassed by total credits attempted. Class rank is determined by a ranking of students' weighted GPA's. As described below, class rank will not be tabulated for classes graduating after 2020.


For the graduating class of 2020, a student's grade point average and rank in class shall be entered on the student's record and transcripts. For the graduating classes of 2021 and beyond, only a student's grade point average shall be entered on the student's record and transcripts. For the graduating class of 2021 and beyond, a student's rank in class will only be computed for the purposes of admission to higher education or the awarding of financial aid.

The Valedictorian/Salutatorian designation will be replaced with a Latin Honors system beginning for the class of 2021. Students will be recognized based upon their cumulative, weighted GPA in the following fashion:

- Summa Cum Laude: 100.000%
- Magna Cum Laude: 97.500%
- Cum Laude: 95.000%

Dual-Enrollment Program:

The Dual-Enrollment Program allows students to take college-level courses. The following EHS courses may qualify for Dual Enrollment through RACC:

EHS COURSE	RACC EQUIVALENT	 Course	COLLEGE CREDITS
AP Language/Comp.	COM 121	English Composition	3
AP Literature/Comp.	ENG 125	Introduction to Literature	3
AP Psychology	PSY 130	General Psychology	3
Honors Psychology	PSY 130	General Psychology	3
Probability/Statistics	MAT 210	Statistics	3
Accelerated Calculus	MAT 220	Calculus I	4

Honors Calculus	MAT 220	Calculus I	4
Accelerated Biology	BIO 150	Biology I	4
AP Biology	BIO 155	Biology II	4
Accelerated Chemistry	CHE 150	Chemistry I	4
AP Chemistry	CHE 155	Chemistry II	4
AP Physics I	PHY 240	Physics I	4
AP Physics II	PHY 245	Physics II	4
Honors Fine Arts Studio	ART 111	Intro. To Drawing	3
Honors Fine Arts Studio II	ART 121	Painting	3
Honors Studio Art History	ART 250	Art History	3
Honors Accounting II	ACC 105	Financial Accounting	3
AP Statistics	MAT 210	Statistics	3
Honors Design Studio	ART 113	Two-Dimensional Design	3

Please reference the EHS Guidance webpage at the link listed below (or see your counselor) for further requirements, prerequisites, and course offerings through RACC.

<http://www.exeter.k12.pa.us/16082022611114580/blank/browse.asp?A=383&BMDRN=2000&BCOB=0&C=57839>

National Honor Society

Candidates for the National Honor Society are required to have at least one semester of attendance at Exeter Township Senior High School and be members of the sophomore or junior classes. Applications for membership will be made available to interested students in mid-April each year. Fully completed applications will be due by mid-May of that same year. A committee of secondary teachers will review the applications every summer and assess them against a 16-point rubric. All students whose applications earn a minimum score of 12 will receive an invitation to the society on the first day of school the following year. Upon completion of the induction ceremony, each member of the society must maintain a 92 percent weighted marking period average, avoid any Level II, III, IV discipline offenses as defined in the Student Handbook, and complete two club-sponsored service projects each academic year for the remainder of their time at Exeter.

Independent Study

On rare occasions, students may request independent study credit. Independent Study may include on-line instruction or distance learning. In the event that a student's schedule does not accommodate all desired or required courses, the independent study may be a viable option.

COURSE DESCRIPTIONS

ENGLISH

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	<u>COURSE</u>	<u>Ranking Value</u>	<u>Credit Value</u>
003S	Learning Support – Reading	1.00	1.00
100	English 9	1.00	1.00
101	Honors – English 9	1.05	1.00
104	English 10	1.00	1.00
105	Honors – English 10	1.05	1.00
106	American Literature	1.00	1.00
107	Honors – American Literature	1.05	1.00
108	British Literature	1.00	1.00
109	The Contemporary Reader	1.00	1.00
111	Career Communications	1.00	1.00
113	Publications and Media	1.00	1.00
114	A.P. Language & Composition	1.05/1.10	1.00
115	A.P. Literature & Composition	1.05/1.10	1.00
116	Creative Expressions (elective)	1.00	1.00
118	Writing for the 21 st Century	1.00	1.00
119	Learning Resource Room – English	1.00	1.00
125	Honors – World Literature	1.05	1.00
199	Reading Strategies	1.00	.5/1.00
761	Video Production I (TV Studio) (elective)	1.00	1.00

761A	Video Production II (TV Studio) (elective)	1.00	1.00
761B	Video Production III (TV Studio) (elective)	1.00	1.00

Please refer to the Honors and A.P. course information in the Scheduling Procedures section for details about enrollment criteria and ranking value information.

SUGGESTED SEQUENCES IN ENGLISH

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	British Literature American Literature Writing for the 21st Century The Contemporary Reader Publications and Media	British Literature American Literature Writing for the 21st Century The Contemporary Reader Career Communications
English 9 (H)	English 10 (H)	American Literature (H) World Literature (H) AP Language and Comp	World Literature (H) American Literature (H) AP Literature and Comp

Electives include: Creative Expressions, Video Production (TV Studio) I, II, & III.
Any English course may be taken as an elective.

English Course Descriptions

003S - Learning Support – Reading/English/Language Arts – Grade 9, 10, 11 & 12

Only students with Individual Education Plans will be admitted to this class. This course is designed to meet the needs of students who are struggling with their reading. Students will learn strategies to improve their reading, spelling, writing, and vocabulary skills. They will work with READ 180, a research-based software program designed to support and improve these skills.

100 - English 9 – Grade 9

The English 9 focus is on the integration of literature, grammar, and vocabulary. Exploring recurring literary devices and themes, students study short stories, poetry, drama, and novels. Writing workshops present students with standards for successful writing along with models that show the standards in action and tools for revising and editing as they create informational, narrative, and persuasive pieces. Daily practice builds students' grammar skills with solid sequential instruction that flows naturally from the literature and aids in writing.

101 - English 9 (Honors) – Grade 9

English 9 Honors is for students who excel in language arts: literature, writing, grammar, and vocabulary as well as speaking and listening. During this course students are introduced to more

literature than the English 9-(100) course including five additional short stories, independent reading, and an additional novel. Interpretation, reflection, and evaluation through personal responses, critical thinking, and literary analysis are emphasized. Additional and longer compositions require students to demonstrate greater writing proficiency as they synthesize ideas and information. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area. Thorough and original completion of the required summer reading in accordance to the assignment specifications students receive at the end of the previous year is a prerequisite. The student is responsible for obtaining a copy of the assigned book(s). Failure to honestly and fully complete the assigned summer reading and written work on time will result in removal from the course.

104 - English 10 – Grade 10

English in Grade 10, an integrated course in literature, composition, and oral communication, includes the study of literary forms through themes such as lessons from history and mythology. The thematic approach encourages perceptive readers who enjoy significant literature, and articulate writers, who can control and structure language to express critical and analytical responses to their reading. Students practice grammar and vocabulary skills in conjunction with their writing and speaking as they synthesize ideas and information. Topics from the literature and other appropriate sources are frequently the theme for writing narrative, informational, and persuasive essays as well as a literary analysis or research paper.

105 - English 10 (Honors) – Grade 10

English 10 Honors is designed for students who have a special interest and ability in English. Although the basic format is similar to English Grade 10, students do more independent reading and writing. Interpretation, reflection, and evaluation through personal responses, critical thinking, and literary analysis are emphasized. Additional and longer compositions require students to demonstrate greater writing proficiency as they synthesize ideas and information. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area. Thorough and original completion of the required summer reading in accordance to the assignment specifications students receive at the end of the previous school year is a prerequisite. The student is responsible for obtaining a copy of the assigned book(s). Failure to honestly and fully complete the assigned summer reading and written work on time will result in removal from the course.

106 - American Literature – Grade 11 or 12

Students encounter the many aspects of American Literature through a survey of American authors and major literary movements. In a variety of genres, philosophies, and literary styles, classics are emphasized; and students have the opportunity to read and discuss self-selected pieces. Along with a research paper, which examines issues rising from the course materials, students write persuasive, informative, and narrative pieces. Students tackle grammar conventions and vocabulary through their reading, writing, and speaking. Prerequisite: A student must pass English 10.

107 - American Literature (Honors) – Grade 11 or 12

Students develop an understanding of the many aspects of American Literature through a survey of American authors and major literary movements. In a variety of genres, philosophies, and literary styles, classics are emphasized. Along with a literary-based research paper, students write rigorously, analyze literature, and participate in in-depth class discussions. Students also build college level vocabularies through their writing, reading, and speaking. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area. Thorough and original completion of the required summer reading in accordance to the assignment specifications students receive at the end of the previous school year is a prerequisite. The student is responsible for obtaining a copy of the assigned book(s). Failure to honestly and fully complete the assigned summer reading and written work on time will result in removal from the course.

108 - British Literature – Grade 11 or 12

Through a close reading of works by English poets, novelists, essayists, and dramatists, students follow the impact of British thinkers and literary artists on Western thought. A combination of thematic and chronological organization allows students to study the history of the English language as well as read classic and contemporary self-selected novels. Additionally, students write persuasive, informative, and narrative pieces. Students build grammar and vocabulary skills through their reading, writing, and speaking. Prerequisite: A student must pass English 10.

109 – The Contemporary Reader – Grade 11 or 12

This course is designed for juniors and seniors who have passed English 10 and explores cultural and social themes through the study of contemporary literature. Students will work on improving skills in the areas of text analysis, communication, collaboration, and writing (expository, persuasive, creative). The authors studied come from a variety of backgrounds and write in all genres. While some classic texts are utilized in this course, most texts are contemporary pieces of high interest to students. Students are expected to complete several independent, inquiry-based reading projects throughout the course as well as individual and group presentations. Prerequisite: A student must pass English 10. (Not an NCAA approved English Course)

111 - Career Communications – Grade 12

This course is designed to meet the needs of students who will be entering the workforce or a two-year college program after graduation. Reading, writing, and speaking issues that emerge in the workplace dominate this course. Students read a variety of poetry, fiction, nonfiction, and plays. Working cooperatively is a major emphasis. An I-search career paper is required. Students share thoughts and opinions on workplace issues through discussions and writings. (Not an NCAA approved English Course)

113 - Publications and Media – Grade 11 or 12

The objective of this course is two-fold. The first focus is the study of newspapers, magazines, television and video. Students are expected to critique, review, analyze, reflect upon, and create media. The second emphasis is the writing of a formal publication. Students learn the elements of successful publications through the use of computer technology. Prerequisite: A student must pass

English 9 & 10. (Not an NCAA approved English Course)

114 - Advanced Placement Language and Composition – Grade 11 or 12

Advanced Placement Language and Composition is a college course in a high school setting. The course stresses techniques of expository and argumentative writing, placing equal emphasis on structure, style, and content. Students write rigorously, participate in class discussions and make presentations to the class. Students research and produce reports using MLA and APA formats. Enrollment in this course requires the most current English teacher's recommendation, and thorough, original completion of the rigorous required summer reading in accordance to the assignment specifications students receive at the end of the previous school year. The student is responsible for obtaining a copy of the assigned book(s). Failure to honestly and fully complete the assigned summer reading and written work on time will result in removal from the course. Students should plan to take the AP exam and/or consider dual enrollment with RACC with the possibility of earning three college credits. For RACC credit, this course serves as the prerequisite for Advanced Placement Literature and Composition. If students are not taking the courses for RACC credit, they may enroll in either AP Language & Composition or AP Literature & Composition for high school credit.

115 - Advanced Placement Literature and Composition – Grade 11 or 12

Advanced Placement Literature and Composition is a college course in a high school setting stressing short stories, novels, drama and poetry. The course focuses on the development of writing and research skills. Students engage in class discussions, as well as compose essays that respond to and analyze literary works. Enrollment in this course requires the most current English teacher's recommendation, and thorough, original completion of the rigorous required summer reading in accordance to the assignment specifications students receive at the end of the previous school year. The student is responsible for obtaining a copy of the assigned book(s). Failure to honestly and fully complete the assigned summer reading and written work on time will result in removal from the course. Students may qualify for college credits by taking the AP exam in May or through RACC. To receive credit through RACC, students must satisfy the prerequisite: Advanced Placement Language and Composition. If students are not taking the courses for RACC credit, they may enroll in either AP Language & Composition or AP Literature & Composition for high school credit. Students who are not taking the course for RACC credit should plan to take the AP exam.

116 - Creative Expressions – Grade 11 or 12

This course encourages creative expression through student performance. While students may write in a variety of creative modes, the study of drama, scene production, and performance are emphasized. This course should appeal to those who enjoy creative activities. Performance and sharing are primary areas of emphasis. (This course is an elective and does not count as an English credit).

118 – Writing for the 21st Century – Grade 11 or 12

This course will introduce students to various forms of nonfiction writing. Forms include memoir, nature writing, lyrical writing, informal essays, and journalistic/observational writing. Students will read materials that support the writing curriculum. Students will produce a portfolio of writings. They will use online tools and sources for publication and research. (Not an NCAA approved English Course)

119 - Learning Resource Room - English – Grade 9, 10, 11 and/or 12

The student must have a current Individual Education Plan to enroll in this class. The course will follow the regular English Education Curriculum with needed accommodations/adaptations. Individual support will also be provided.

125 - World Literature (Honors) – Grade 11 or 12

In World Literature, students develop an understanding of the depth and breadth of global literary traditions. Students write rigorously, analyze literature, and participate in in-depth class discussions. Students build sophisticated college-bound vocabularies. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area. Thorough and original completion of the required summer reading in accordance to the assignment specifications students receive at the end of the previous school year is a prerequisite. The student is responsible for obtaining a copy of the assigned book(s). Failure to honestly and fully complete the assigned summer reading and written work on time will result in removal from the course.

199 - Reading Strategies – Grade 9 & 10

The focus of this course is to meet the diverse needs of students in continuing to become engaged, fluent, strategic readers of various forms of text across disciplines. Direct, explicit skill and strategy instruction will be integrated into this course by using students' content area texts to support and build student competence and independence and metacognition. Materials from the student textbooks (science, social studies, mathematics, and English) as well as magazines, newspapers, and the computer will be used.

Video Production (TV Studio)

The Video Production courses below require students to demonstrate the highest level of responsibility and trust. Therefore, a student's prior conduct is evaluated when determining inclusion in this program. Throughout these courses, students must be able to work together cooperatively. Given the nature of the work in Video Production and the physical layout of the Studio and classroom, students must demonstrate the skills of an independent learner. At times, they must be able to work with little direct supervision while in the TV studio as well as on location throughout the building and school grounds. If it is determined that students cannot meet these expectations, they will be denied the opportunity to participate in these courses. Students in Video Production courses are required to supply some of their own materials such as memory cards and poster board for projects.

761 – Video Production I (TV Studio) – Grade 9, 10 or 11

This one-credit course offers students an introductory glimpse into the fascinating world of video production. Students will be exposed to valuable hands-on experience working with cameras, audio equipment, and state-of-the art digital editing and motion graphics software to produce numerous individual and small group projects. In addition, students will learn basic concepts of video editing and digital storytelling. (This course is an elective and does not count as an English credit.)

761A - Video Production II (TV Studio) – Grade 10, 11 or 12

This year-long one-credit course is designed primarily for students considering a

media/communications major at the post-secondary level. Intermediate video production techniques are the focus of the course. Students in this class are expected to serve in both on-camera and behind the scenes production roles for the morning announcements and broadcasts of school and district events. Students may be required and will be expected to participate in Video Production class activities outside the hours of the school day as part of their course of study. (This course is an elective and does not count as an English credit.) Prerequisite: Video Production I and instructor approval.

**761B - Video Production III (TV Studio) – Advanced TV Production Principles and Practices
Grade 11 or 12**

This one-credit course is designed primarily for students considering a media/communications major at the post-secondary level. Advanced video production techniques are the focus of this course. Students in this class are expected to serve in both on-camera and behind the scenes production roles for the morning announcements and broadcasts of school and district events. Students may be required and will be expected to participate in Video Production class activities outside the hours of the school day as part of their course of study. (This course is an elective and does not count as an English credit.) Prerequisite: Video Production II and instructor approval.

SOCIAL STUDIES

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
201	20 th Century American Cultures	1.00	1.00
202	Honors – 20 th Century American Cultures	1.05	1.00
203	Modern World History	1.00	1.00
204	Honors – Modern World History	1.05	1.00
205	Civics	1.00	1.00
206	Honors – Civics	1.05	1.00
207	Military History	1.00	1.00
208	Learning Resource Room – Civics	1.00	1.00
210	Behavioral Studies	1.00	1.00
211	A.P. United States History	1.05/1.10	1.00
212	A.P. Psychology	1.05/1.10	1.00
213	A.P. U. S. Government and Politics	1.05/1.10	1.00
216	AP Economics	1.10	1.00
217	Honors – Economics	1.05	1.00
218	Honors – Psychology	1.05	1.00
221	Contemporary Issues	1.00	1.00

Please refer to the Honors and A.P. course information in the Scheduling Procedures section for details about enrollment criteria and ranking value information.

SUGGESTED SEQUENCES IN SOCIAL STUDIES

Grade 9	Grade 10	Grade 11	Grade 12
20th Century American Cultures	Modern World History	Civics	Contemporary Issues Behavioral Studies Military History
20 th Century American Cultures (H)	Modern World History (H) AP US History	Civics (H) AP US Government	Military History Economics (H) AP US History Psychology (H) AP Economics

Any social studies course may be taken on an elective basis.

Social Studies Course Descriptions

201 - 20th Century American Cultures – Grade 9

The turn of the 20th Century was a period of change for the United States. Amid industrialization and imperialism, the United States grew to become one of the major economic and military powers of the world. Students will learn how this growth and development have shaped America's domestic and international policies for the past century through the study of topics from the rise of the United States as an industrial power to the post-Cold War beginning of the 21st Century. Students will analyze and interpret issues and discover how the past relates to today. Course (201) American Studies focuses on thematic units that begin at the turn of the 20th Century and include contemporary social and political issues.

202 - 20th Century American Cultures (Honors) – Grade 9

20th Century American Cultures (Honors) is designed for students who have a special interest and ability in social studies. Students evaluate and interpret more complex aspects of the basic course of study. Students produce and present research that allows them to relate science and technology, arts and humanities, and other disciplines to the development of an American culture. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area.

203 - Modern World History – Grade 10

During this course, students will learn about the world's cultures and trace history from the French Revolution to the present day. Students will examine the effects of continuity and change on history, the political and cultural contributions of individuals and groups, the impact of conflict and cooperation among groups and organizations, and the role of primary documents, artifacts, and historical places of our world today.

204 - Modern World History – (Honors) – Grade 10

Honors Modern World History is available to students recommended by their freshman-year social studies teachers. A student not currently enrolled in an Honors or AP level course must achieve

an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area. The course is similar to Modern World History, but includes a greater emphasis on independent reading and writing.

205 - Civics – Grade 11

In this course, students examine the purposes of government and the structure, function, and foundations of U. S. government, and the rights and responsibilities of citizens. This examination of government occurs at the federal, state, and local levels. Among the topics emphasized are the electoral process, the powers and roles of the three branches of government, federalism, the lawmaking process, and the U. S. economic and legal systems.

206 - Civics – (Honors) – Grade 11

In this course, students examine the structure, function, and foundations of U.S. government, and the rights and responsibilities of citizens. Among the topics emphasized are the electoral process, the powers and roles of the three branches of government, federalism, the lawmaking process, state and local governments, the U.S. legal system, and current events that impact civic life. As an honors course, students are expected to evaluate and interpret more complex aspects of the basic course of study through independent reading, research, writing, and discussion. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area.

207 – Military History – Grade 11 or 12

This course is an interdisciplinary class involving American History, Geography, World History and Government. In addition, students must incorporate the use of technology, communication skills, language arts, art, and mathematics. Students will be expected to spend a considerable amount of time on reading and writing assignments outside of class. Topics include introduction to military history, make-up of armed forces, and American military involvement throughout history. The class will run in reverse chronological order starting with the current conflicts all the way back to the American Colonies. Students must have completed American History and World History (with a grade of C or higher in both classes).

208 - Learning Resource Room - Civics – Grade 10, 11 and/or 12

The student must have a current Individual Education Plan to enroll in this class. The course will follow the regular Civics Education Curriculum with needed accommodations/adaptations. Individual support will also be provided.

210 - Behavioral Studies – Grade 11 or 12

Behavioral Studies is a course that focuses on the study of human behavior. As an introduction to the field of psychology, this course includes (but is not limited to) the study of psychological principles, terminology, major theories, methods of experimentation, and practical applications. Topics include, the brain and biology, sensation and perception, development over the human lifespan, personality development, learning, psychological disorders, and treatment.

211 - Advanced Placement United States History – Grade 10, 11, or 12

AP U.S. History is a college-level course designed to explore the development of the United States from the discovery of the Americas to the present era with an emphasis on the post-1850 period. The course stresses independent student study with the teacher as facilitator. On-grade-level reading ability and teacher recommendation are prerequisites. There is an emphasis on higher order thinking skills. A course aim is that students successfully complete the advanced placement exam in United States history. A prerequisite for this course is the successful completion of the summer assignment and department approval.

212 - Advanced Placement Psychology – Grade 12

AP Psychology is a college-level course with emphasis on psychological phenomena, which are basic for understanding human behavior. Students study key concepts of the major schools and subfields and the contributions of important theorists to psychology. Vocabulary relevant to each topic is an area of emphasis. A college-level text is used in the course and on-grade-level reading ability is expected of all students. An important goal for students is successful completion of the advanced placement exam in psychology. The RACC dual-enrollment option is available for this class. A prerequisite for this course is the successful completion of the summer assignment and department approval.

213 – Advanced Placement U.S. Government and Politics – Grade 11 or 12

AP U.S. Government and Politics is a college-level course designed to give students an analytical perspective on government and politics in the United States. The course includes an analysis of the United States Constitution, as well as a study of the three branches of government, administrative agencies that support each branch, the role of political behavior in the democratic process, rules governing elections, political culture, and the workings of political parties and interest groups. On-grade-level reading ability and teacher recommendation are prerequisites. There is an emphasis on higher order thinking skills. A course aim is that students successfully complete the advanced placement exam in United States Government and Politics. A prerequisite for this course is the successful completion of the summer assignment and department approval.

216 -AP Economics – Grade 11 or 12

This course is an in-depth study of microeconomics and a survey of macroeconomics. This course is designed to prepare the student to take the A.P. Exam in Microeconomics. The purpose of the course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. An assignment in Economics will be required during the summer prior to taking the Advanced Placement course. A prerequisite for this course is the successful completion of the summer assignment and department approval.

217 - Economics (Honors) – Grade 11 or 12

Economics is designed to explore how economic activity influences aspects of everyday life. This course focuses on both macro and micro economic theories while analyzing practical applications to various economic problems and conditions. Various topics such as economic systems, market structure, consumer spending, money and banking, consumer borrowing and buying on credit, consumer saving and investing, supply and demand, national economy, government spending and taxation, and international trade will be examined. A student not currently enrolled in an Honors or

AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area.

218 - Psychology (Honors) – Grade 12

Psychology focuses on the psychological phenomena that are basic for understanding human behavior. Topics include history, methods and field of psychology, learning, motivation, memory, intelligence, emotion, personality, and psychological disorders and their treatment. The course is designed to foster knowledge, skills, and attitudes that assist students to become more effective in their interpretation of human behavior. On-grade-level reading ability and teacher recommendation are prerequisites for the class. Students can earn college credit for this course through the RACC dual-enrollment program. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area.

221 - Contemporary Issues – Grade 11 or 12

Contemporary Issues is a year-long course for juniors and seniors. This course will focus on contemporary issues of the world and the people who live in it. There will be an emphasis on critical analysis of the choices made by world leaders, events and crises that occur in the world, ethical and moral decision-making, and solutions proposed by various political and cultural factions worldwide. Current materials and technology will form the basis of the course.

MATHEMATICS

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	Ranking Value	Credit Value
004	Learning Support – Pre-Algebra	1.00	1.00
006	Learning Support – Algebra	1.00	1.00
007	Learning Support – Functional Mathematics	1.00	1.00
008	Learning Support – Consumer Mathematics	1.00	1.00
300	Core Connections 3	1.00	1.00
301A	Algebra I	1.00	1.00
302	Intermediate Algebra	1.00	1.00
304	Senior Mathematics	1.00	1.00
309	Trigonometry/Pre-Calculus	1.00	1.00
310	Honors – Trigonometry/Pre-Calculus	1.05	1.00
311	Honors – Calculus	1.05	1.00
311A	Accelerated Calculus	1.05/1.10	1.00
312	A.P. Calculus AB	1.05/1.10	1.00
313	Honors – Probability and Statistics	1.05	1.00
314	Computer Information Science I (elective)	1.00	1.00
314B	AP Computer Information Science (PLTW)	1.05/1.10	1.00
316	AP Computer Science and Software Engineering (PLTW)	1.05/1.10	1.00
322	Honors – Algebra II	1.05	1.00
323	Geometry	1.00	1.00
324	Honors – Geometry	1.05	1.00

326	Algebra II	1.00	1.00
328	Assessment Strategies & Skills for Mathematics	1.00	.5/1.00
329	AP Statistics	1.10	1.00
330	AP Calculus BC	1.1	1.0

Please refer to the Honors and A.P. course information in the Scheduling Procedures section for details about enrollment criteria and ranking value information.

SUGGESTED SEQUENCES IN MATHEMATICS

Grade 9	Grade 10	Grade 11	Grade 12
Core Connections 3	Algebra 1	Geometry Intermediate Algebra	Algebra 2 Senior Mathematics
Algebra 1	Geometry Intermediate Algebra	Algebra 2	Senior Mathematics Trig/Precalculus Probability and Statistics (H) Calculus (H) (Spring Semester upon completion of Fall Semester Trig/Precalc)
Geometry (H)	Algebra 2 (H)	Trig/Precalculus (H)	Calculus (H) Accelerated Calculus & AP Calculus Probability and Statistics (H) AP Statistics

COMPUTER ELECTIVES may be taken any year.

- Computer Information Science I (prerequisite for all computer classes)
- AP Computer Science and Software Engineering
- Advanced Placement Computer Information Science

Mathematics Course Descriptions

Learning Support – Pre-Algebra, Algebra, Functional Math, Consumer Math – Grade 9, 10, 11 & 12

Only students with Individual Education Plans may take these courses. Basic math operations and/or algebraic concepts are emphasized and matched with the student's individual needs to meet his/her graduation requirements.

004 – Learning Support – Pre-Algebra

The Pre-Algebra course is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course is designed to help students overcome weakness in preparation in mathematics, emphasizing the concepts necessary to be successful in Algebra I and II. The course helps students to develop good mathematical study skills and learning strategies as an integral part of this course. The course begins with a brief review of the number system and operations with whole numbers, fractions, decimal, positive and negative numbers. Eventually covering rational and linear exponents, ratios, proportions and percentage; solving simple and complex equations with one variable.

006 – Learning Support – Algebra

This course will introduce basic algebra concepts. Areas of emphasis include previously learned math skills including algebra, equation-solving skills, problem solving skills, graphing, mental math, and connecting real life encounters to mathematics. This course prepares special education students to be enrolled in the regular education Algebra 1 course.

007 – Learning Support – Functional Mathematics

This course provides learners with math skills related to the foundations of basic mathematics. Topics include identifying numbers as they relate to basic computations. This course will prepare students to enroll within the learning support pre-algebra course.

008 – Learning Support – Consumer Mathematics

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester of Consumer Math, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses.

300 – Core Connections 3 – Grade 9

This course is designed to prepare students for a rigorous college preparatory algebra course. This course helps students develop multiple strategies to solve problems, to practice key mathematical procedures, and to recognize the connections between concepts. The aim is to build confidence in students to ensure that they will pass the Algebra I Keystone Exam that is required for high school graduation. This course will emphasize such topics as simplifying expressions, analyzing data and making predictions, solving constructed response questions, and applying algebra to right triangles. (Not an NCAA approved Math Course)

301A - Algebra I – Grade 9

This course will introduce basic algebra concepts as well as supplementary geometry concepts. Areas of emphasis include previously learned math skills including algebra, equation-solving skills, problem solving skills, graphing, mental math, and connecting real life encounters to mathematics.

302 – Intermediate Algebra – Grade 10 or 11

This course will strengthen the understanding of algebraic concepts through visual representations of algebraic ideas and will improve student mathematical thinking skills. The emphasis of the

Intermediate Algebra course will be to prepare students for success in Algebra II through in-depth exposure to polynomial functions. Key concepts from Algebra 1 will be reinforced in this course on a cyclical basis. Students will be placed into this course if they do not reach a 72% final grade in their Algebra I course or via their Algebra 1 teacher's recommendation. (Not an NCAA approved Math Course)

304 - Senior Mathematics – Grade 12

This course is open only to seniors. It reviews skills from Algebra I and Algebra II and introduces students to the basic concepts of Geometry, Probability and Statistics, and Trigonometry. Topics include polynomials, quadratics, angles, segments, triangles, polygons, circles, transformations, data displays, probability, right triangles, and trig functions (additional topics may be covered according to student need). The class assists students who are taking SAT exams in the fall, as well as preparing for college entrance and placement tests. (Not an NCAA approved Math Course)

309 - Trigonometry/Pre-Calculus – Grade 11 or 12

Trigonometry/Pre-calculus includes strands of college algebra, trigonometry, and introductory calculus. Students will explore these different branches of mathematics by solving problems, using technology, and working individually and with others. Prerequisite: Students must earn at least a 75% in Algebra II or receive approval from their Algebra II instructor.

310 - Trigonometry/Pre-Calculus (Honors) – Grade 11 or 12

Trigonometry/Pre-calculus includes aspects of college algebra, trigonometry, and introductory calculus. Students explore these different branches of mathematics by solving problems, using technology, and working individually and with others. This course is more rigorous than the non-honors Trigonometry/Pre-calculus course and includes additional topics in order to prepare students to take Advanced Placement Calculus in the senior year. It should be understood that this course is a very challenging course designed to lead into the AP Calculus course. Students not seriously considering taking AP Calculus should enroll in the standard Trig. /Pre-calc. course. Prerequisite: Students must earn at least an 85% or higher in both Algebra II (Honors) and Geometry (Honors) or receive approval from instructors of both courses.

311 - Calculus (Honors) – Grade 12

Calculus utilizes mathematics learned in all mathematics courses up to and including Trigonometry/Pre-Calculus. In this course emphasis is placed upon the study of limits, continuity, differentiation, and applications of the derivative. The course also includes an introduction to integration. Graphing calculators are used extensively for visual interpretation and computational methods. The RACC dual-enrollment option is available for this class. Students desiring to take calculus but not planning to take AP Math and sit for the Advanced Placement Calculus exam should take this calculus course. Prerequisite: Students must earn at least a 75% in Trig/Pre Calc (Honors) or an 82% in Trig/Pre Calc or receive approval from their Trig/Pre Calc instructor.

311A - Accelerated Calculus – Grade 12

This calculus course is only open to students who have also enrolled in AP calculus. While covering all the content of Calculus 311, this course places less emphasis on review at the beginning of the course, allowing time to present additional calculus topics in preparation for the Calculus AB exam. In order to cover all the Calculus AB topics and allow time for review and practice exams, the student must also be enrolled in the AP Math course during the same school year. Prerequisite: Students

must earn at least an 85% in Trig/Pre Calc (Honors) or receive approval from their Trig/ Pre Calc instructor.

312 - Advanced Placement Calculus AB – Grade 12 (Offered second semester only)

AP Calculus AB extends upon the topics taught in the Calculus course and meets the criteria set forth for Calculus AB by the College Board. Topics of study include differential equations, linear motion, area between curves, volume of revolution and advanced integration techniques. The course will also include a review of topics from the first semester using AP exam-level questions. Students will learn how to approach AP multiple choice and free response questions to help prepare for the Calculus AB exam. Prerequisite: successful completion of Calculus 311A course and instructor approval.

313 - Probability and Statistics (Honors) – Grade 11 or 12

This course includes an introduction to probability, combinatorics, and permutations as well as all the elements of statistical analyses using all the parts of descriptive statistics. Higher level elements of statistics such as correlation, Chi-square, and ANOVA are introduced. Calculators and computers are used extensively in doing some of the more tedious tasks involved with this sort of study. The course is intended for college-bound students with a strong background in algebra and geometry. The RACC dual-enrollment option is available for this class. Prerequisite Students must earn at least an 80% in Algebra II or receive approval from their Algebra II instructor.

314 - Computer Information Science I – Grade 9, 10, 11, or 12

During this course students will integrate hands-on programming with book knowledge on such subjects as the history of computers, the central processing unit and memory, input and output devices, and secondary storage devices. This course is a prerequisite for all other computer programming courses offered by the Math Department. Prerequisite: 72% or higher in Algebra I or eighth grade Intro to Computer Science (This course is an elective and does not count as a math credit.)

314B - Advanced Placement Computer Information Science – Grade 11 or 12

AP Computer Information Science is a rigorous course designed for the student who wants to further his/her study of computer programming and prepare for the advanced placement computer science exam. Advanced topics will be explored. Prerequisite: 82% or higher in 316, AP Computer Science and Software Engineering (PLTW), and course instructor approval. This course prepares students to take the AP Computer Science A exam.

316 – AP Computer Science and Software Engineering (PLTW) – Grade 10, 11, or 12

Students will be given a foundation in PLTW STEM/Computer Science that will enable them to be successful in other STEM/Computer Science courses offered later in the pathway by PLTW, and begin to prepare them for the AP Computer science exams. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. CSE helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course prepares students to take the AP Computer Science Principles exam.

322 - Algebra II (Honors) – Grade 9, 10, or 11

Algebra II reviews equations and inequalities. Other topics covered in this course include solving quadratic and polynomial functions; simplifying problems involving powers, real numbers, and radicals; and understanding exponential, logarithmic, and rational functions. Students will make connections to gain understanding of topics covered in Algebra II by exploring and problem solving via technology, individual, and group work. Prerequisite: successful completion of Algebra I and course instructor approval.

323 - Geometry – Grade 9, 10, 11, or 12

This course includes the study of reasoning and proofs, parallel and perpendicular lines, triangles, quadrilaterals, circles, and polygons. The study of triangles will include congruency, similarity, and an introduction to right triangle trigonometry. Prerequisite: successful completion of Algebra.

324 - Geometry (Honors) – Grade 10

This course includes the study of reasoning and proofs, parallel and perpendicular lines, triangles, quadrilaterals, circles, polygons and transformations. The study of triangles will include congruency, similarity, and an introduction to right triangle trigonometry. This course will be more rigorous than the standard Grade 10 Geometry course. Prerequisite: Students must earn at least an 82% in Algebra II (Honors) or receive approval from their Algebra II (Honors) instructor.

326 - Algebra II – Grade 9, 10, 11, or 12

This course begins with a brief review of linear equations, linear inequalities, and systems of linear equations and inequalities. The course continues with in-depth discussions of quadratics, radicals and powers, exponential and logarithmic functions, polynomial functions, rational functions, and sequences and series. If time allows, there will be an introductory unit on conic sections. Prerequisite: successful completion of Algebra I and Geometry. (A student may take this course concurrently with Geometry with teacher recommendation.) This course may be offered as a co-taught option.

328 - Assessment Strategies and Skills for Math – Grade 10 & 11 (Pass/Fail)

This course is offered to students who are in need of improving their skills in algebra, geometry, and other math areas. The course will focus on attainment of the skills, concepts, and test-taking strategies presented in the PSSA and will be individualized to meet the needs of each student's area of weakness. Students will be enrolled in this course based on their previous assessment results and/or academic performance during their previous math course. (Assigned remedial offering; not for math credit.)

329 – AP Statistics – Grades 11 & 12

This course is a non-calculus based introduction to statistics exposing students to four broad conceptual themes: exploring data, observing patterns and departures from patterns; planning a study, deciding what to measure and how to measure it; anticipating patterns in advance, introducing probability and simulation; and statistical inference, confirming models for explanations of patterns. Calculators and computers are used extensively in doing some of the more tedious tasks involved with this sort of study. The course is intended for college-bound students with a strong background in algebra and geometry. At the conclusion of the course students will take the AP Statistics exam. Prerequisite: Students must earn at least an 85% in (H) Algebra II, or a 90% in academic Algebra II and have already completed geometry.

330 – AP Calculus BC – Grade 12

AP Calculus BC continues the study of Calculus taught in the AP Calculus AB course. The course meets the criteria set forth by the College Board. Topics studied include improper integrals, parametric, polar and vector functions and the calculus applications of such functions. Calculus applications of infinite series and improper integrals will also be studied. Selected topics from the Calculus AB course will be reviewed to help prepare for the Calculus BC exam. Prerequisite: successful completion of Calculus 312 course and instructor approval.

SCIENCE

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
351	Earth and Space Science	1.00	1.00
352	Honors - Earth and Space Science	1.05	1.00
353	Honors Biology	1.05	1.00
354	Biology	1.00	1.00
355	Accelerated Biology	1.05/1.10	1.00
356	A.P. Biology	1.05/1.10	1.00
357A	Physical Science	1.00	1.00
358	Chemistry	1.00	1.00
359	Accelerated Chemistry	1.05/1.10	1.00
360	A.P. Chemistry	1.05/1.10	1.00
361	Honors Chemistry	1.05	1.00
362	Physics	1.00	1.00
363	A. P. Physics I	1.05/1.10	1.00
364	A. P. Physics II	1.05/1.10	1.00
365	Environmental Science	1.00	1.00
366	Honors - Human Physiology I	1.05	1.00
367	Honors Physics	1.05	1.00
369	Honors - Physiology II	1.05	1.00
371	Honors Astronomy	1.05	1.00
373	Oceanography	1.00	1.00

Please refer to page 6 for accelerated and A.P. course criteria as well as ranking value information.

SUGGESTED SEQUENCES IN SCIENCE

	Grade 9	Grade 10	Grade 11	Grade 12
Core Courses	Earth & Space Science	Biology	Chemistry Physical Science	Physics Physical Science
Core Courses	(H) Earth & Space Science	(H) Biology Accelerated & AP Biology	(H) Chemistry Accelerated & AP Chemistry	(H) Physics AP Physics I and/or AP Physics II
Elective Courses		(H) Astronomy Oceanography	(H) Astronomy Oceanography (H) Human Physiology I (H) Human Physiology II Environmental Science Forensic Science	(H) Astronomy Oceanography (H) Human Physiology I (H) Human Physiology II Environmental Science Forensic Science

All students, regardless of the pathway chosen, must complete a minimum of four science courses in grades 9 through 12. It is required that ninth (9) graders complete an earth space science course and that tenth (10) graders complete a biology course. The science department strongly recommends that all students take a course in chemistry and physics in addition to the required courses in ninth and tenth grade. Students with an aptitude or interest in science or a desire to pursue a career in science should consider doubling up in science courses to allow room in their schedules for the more advanced science course offerings.

Science Course Descriptions

351 - Earth and Space Science – Grade 9

The course explores the four main disciplines of Earth Science: astronomy, geology, meteorology, and oceanography. Topics covered during the year range from discovering the basic structures shaped by tectonic and erosion forces to the comparison of planet Earth with other celestial objects in the universe. Students gain an appreciation of how the four disciplines are truly intertwined as one main study of the earth.

352 - Earth and Space Science (Honors) – Grade 9

This honors course is for students who excel or have a special interest in science. Honors Earth and Space Science follows the syllabus of #351, Earth and Space Science. Students are challenged with required supplementary readings, designed to enrich the base subject matter; mathematical analysis is required in most lab experiments. During the course, students independently apply scientific processes and analyze scientific principles. Students are required to have a recommendation from their previous instructor to enroll in this course.

353 - Biology (Honors) – Grade 10

This course is for academically motivated students who may be considering a college science major. Students desiring to take biology but not planning to take AP Biology and sit for the Advanced Placement Biology exam should take this course. Topics of study include introduction to biology and the scientific method, biochemistry, cytology, energetics, homeostasis, mitosis, meiosis, genetics, gene expression, biotechnology, evolution, and ecology. These topics are explored in depth and will prepare students for the Keystone Biology exam. Laboratory activities and teacher-led discussions are integral parts of the course. Prerequisite: Students are required to have a recommendation from their previous instructor to enroll in this course. Students must earn at least an 82% in Earth and Space Science (Honors) or a 92% in Earth and Space Science (Academic).

354 - Biology – Grade 10

This course explores topics such as basic biochemistry, cell structure and function, genetics, evolution, disease, and ecology. Students learn how biological issues relate to their daily lives. Laboratory activities are an integral part of this course.

355 & 356 - Accelerated Biology and Advanced Placement Biology – Grade 10, 11, 12

These courses are college level courses for students that include the basic principles of biology. The Accelerated Biology/AP Biology combination offers motivated students an opportunity to earn eight RACC credits through the dual enrollment program, and prepares students for the AP Biology exam.

355 - Accelerated Biology

This course is only open to students who have also enrolled in AP Biology during the same school year. This course covers all of the content of Biology 353 at an accelerated pace and includes broader depth of knowledge with additional biology topics and labs to prepare for the AP Biology exam. Students must successfully complete this course, and complete the AP Biology summer assignment, in order to advance to AP Biology the following semester. This course is reading intensive. Prerequisite: Students must earn at least an 88% in Earth and Space Science (Honors) or a 96% in Earth and Space Science (Academic).

356 - Advanced Placement Biology

This college-level course prepares academically motivated students for the AP Biology exam in May. Topics include gene expression, history of life on Earth, plant and animal form and function, cell communication, classification, and selected topics in ecology and evolution. This course builds upon information covered in 355 and requires significant independent work outside of class. This course is reading intensive. Prerequisite: Successful completion of Accelerated Biology 355 the previous semester and completion of summer assignments. A student who successfully completes Honors Biology with a grade of 88% or higher may qualify to take AP Biology provided their schedule accommodates it and an alternate assignment to the AP Biology summer project is completed.

357A - Physical Science – Grade 11 or 12

Physical Science is the study of matter, energy and their interactions. The goal of the course is to expose students to both the physical and chemical sciences. The course content includes Newton's Laws, basic mechanics, energy, atomic structure, phases of matter, and chemical interactions. This

course is intended for 11th grade students. Students are required to have a recommendation from their previous instructor to enroll in this course.

358 - Chemistry – Grade 11 or 12

This semester course includes basic tools of chemistry, atomic structure, periodicity, bonding, states of matter, solutions, and an introduction to acids and bases. Additional topics are included as time permits. Course objectives are approached through teacher-led discussion, cooperative group work, laboratory experiments and demonstrations, and direct instruction. This is a very math intensive discipline; therefore, a math prerequisite needs to be met in order to enroll in the course. Prerequisite: Students are required to enroll in this course to have successfully completed Algebra I.

359 - Accelerated Chemistry – Grade 11 or 12

This chemistry course is only open to students who have also enrolled in AP Chemistry. While covering all the content of Chemistry 359 this course is taught at accelerated pace allowing time to present additional chemistry topics and labs in preparation for the AP Chemistry exam. In order to cover all the Chemistry topics and allow time for review and practice exams, the student must also be enrolled in the AP Chemistry course during the same school year. The RACC dual-enrollment option is available for this class. Prerequisite: Students are required to have a recommendation from their previous instructor to enroll in this course, must earn at least an 88% in Biology (Honors) or a 96% in Academic Biology and to have successfully completed Algebra II with at least an 85%. A student who successfully completes Honors Chemistry with a grade of 88% or higher may qualify to take AP Chemistry provided his/her schedule can accommodate the necessary change.

360 - Advanced Placement Chemistry – Grade 11 or 12

Chemistry is considered the central science, and almost all college science majors must take at least one semester. The Accelerated Chemistry/AP Chemistry combination offers motivated students an opportunity to earn eight RACC credits, to prepare for the Advanced Placement exam in Chemistry, or simply to gain a decided advantage in college freshman chemistry. This spring semester course appeals to motivated students who wish to study college-level material while attending high school. The course includes a comprehensive study of various equilibria, acids and bases, kinetics, thermodynamics, oxidation-reduction reactions, and a thorough review of all principles studied in this and previous courses. Prerequisite: Students must have demonstrated strong mathematical skills, must have successfully completed Accelerated Chemistry, and must have course instructor approval.

361 - Honors Chemistry – Grade 11 or 12

This course is for academically motivated students who may be considering a college science major. The semester course includes basic tools of chemistry, atomic structure, bonding and periodicity, states of matter, solutions, acids and bases, and an introduction to equilibrium, kinetics, and oxidation-reduction chemistry. Teacher-led discussion, cooperative group work, laboratory experiments and demonstrations, direct instruction, and project assignments assist students' in meeting course objectives. Students desiring to take chemistry but not planning to take AP Chemistry and sit for the Advanced Placement Chemistry exam should take this course. Prerequisite: Students are required to have a recommendation from their previous instructor to enroll in this course, must earn at least an 82% in Biology (Honors) or a 92% in Academic Biology and have successfully completed or in process of completing Algebra II.

362 - Physics – Grade 11 or 12

During this course students are exposed to concepts of physics that relate to everyday experiences. The course content includes velocity, acceleration, gravity, energy, force, and matter. The course also includes several projects in which some out-of-class work is expected. Prerequisite: successful completion of Algebra I (H), Algebra IB, or course instructor approval.

363 - Advanced Placement Physics I – Grade 11 or 12

This course is for academically motivated students who may be considering science as a major in college. Additionally, students who take this course should plan on taking the AP Physics I test to earn college credit in May. The course content aligns itself with the current AP curriculum. Such topics include mechanics, Newton's Laws, gravitation, rotational motion, electric force, energy, momentum, waves, and DC circuits. Students expecting to pass the AP Exam should anticipate purchasing an AP Physics review book as well as studying for the test outside of class. Co-requisite: Trigonometry/Pre-Calculus 309 or higher. Students are required to have a recommendation from their previous instructor to enroll in this course and must have earned at least an 88% in Honors Chemistry or 96% in Academic Chemistry or have the instructor's approval.

364 - Advanced Placement Physics II – Grade 11 or 12

This course is for academically motivated students who may be considering science as a major in college. Additionally, students who take this course should plan to take the AP Physics II test to earn college credit in May. The course content aligns itself with the current AP curriculum. Such topics include fluids, optics, thermodynamics, DC circuits, electric force, electric field, magnetism, atomic physics, and nuclear physics. Students expecting to pass the AP Exam should expect to purchase an AP Physics review book as well as study for the test outside of class. A student who successfully completes Honors Physics with a grade of 88% or higher may qualify to take AP Physics II provided his/her schedule can accommodate the necessary change. The AP Physics I/AP Physics II combination offers motivated students an opportunity to earn eight RACC credits through the dual enrollment program.

365 - Environmental Science – Grade 11 or 12

Students develop the knowledge and skills necessary to become environmentally literate stewards. The course themes include: principles of ecology, watersheds, renewable and nonrenewable resources, environmental health, agriculture and society, integrated pest management, wildlife resources, environmental laws, and humans role in the environment. This course required the completion of a community-based environmental project (minimum 10 hours); maintaining an environmental journal, conducting field studies that include physical, chemical, biology analyses of air, water and soil: and the completion of several topic papers. Prerequisite: Completion of biology and physical science or chemistry.

366 - Human Physiology (Honors) – Grade 11 or 12

This is an honors course for students who completed Biology with a 72% or higher and are interested in the health sciences. Microscope work, selected dissections and research activities are used to study the systems of the human body. Topics include histology and the following systems: skeletal, muscular, reproductive, endocrine, nervous, circulatory, urinary, and digestive. In addition, students will develop a basic medical vocabulary and write an APA research paper that evaluates primary sources from peer reviewed journals in an area of their interest.

367 – Honors Physics – Grade 11 or 12

This course is for academically motivated students who may be considering science as a major. Students taking honors physics are not planning to take the AP Physics I test. The course includes similar topics to the AP Physics I course without the emphasis on preparation for the AP test. Topics include mechanics, Newton's Laws, gravitation, rotational motion, electric force, energy, momentum, waves, and DC circuits. Co-requisite: Trigonometry/Pre-Calculus 309 or higher. Students are required to have a recommendation from their previous instructor to enroll in this course and must have earned at least an 82% in Honors Chemistry or a 92% in Academic Chemistry or have the instructor's approval.

372 – Honors Astronomy – Grade 11 or 12

This course is intended for college-bound students with an interest in the history and study of celestial objects and the structure of the universe. Students will investigate the nature of the cosmos through interactive internet investigations, lab experimentation, and optional telescopic observations. Students will gain an understanding of how astronomers collect electromagnetic radiation to study the solar system, stars, and their evolution, galaxies, and the big bang theory. Students who enroll in Astronomy should have successfully completed Earth Science and Algebra I. Prerequisites: 351 or 352 Earth and Space Science and 301A Algebra I.

373 - Oceanography – Grade 11 or 12

This course is intended for college-bound students with an interest in ocean science. Students will investigate the physical, geological and chemical processes which take place in the ocean. Students will perform lab experiments/activities and use interactive internet resources to learn about the physical nature of the ocean such as; plate tectonics, ocean floor structure, sediments, ocean water structure and chemistry, ocean-atmosphere interactions, waves, currents, tides and coasts. Prerequisite: Students who enroll in Oceanography should have successfully completed Earth Science and Biology.

374 - Forensics – Grade 12

Forensic science is an interdisciplinary applied course, utilizing many courses of scientific study, including biology, anatomy, chemistry and physics. Much of the coursework requires self-guided exploration and lab investigations with an emphasis on complex reasoning and critical thinking. In addition, students must be able to use technology skills, communication skills, language arts, art, mathematics, and social sciences. Course topics include: introduction to forensics, basic processing of a crime scene, hair and fiber analysis, death and decay, blood and serology, DNA analysis and toxicology. Students are expected to spend a considerable amount of time reading and writing outside of class. Given the nature of required work in forensic science, students must demonstrate academic traits of a motivated and independent learner. They must be able to work as part of a team, with little direct supervision while conducting investigations throughout the school building and other locations outside of the classroom. Prerequisites: students must have completed Biology and Chemistry with a grade of 72% or higher in both classes.

BUSINESS

MASTER COURSE LISTING

Business course offerings are scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
405	Business Law	1.00	1.00
406	Marketing	1.00	1.00
407	Accounting I	1.00	1.00
408	(H) Accounting II	1.05	1.00
409	International Business	1.00	1.00
410	Internship Program	1.00	1 OR 2
419	Entrepreneurship and E-Commerce	1.00	1.00
420	Introduction to Business	1.00	1.00
425	Sports & Entertainment Marketing	1.00	1.00
426	Personal Finance	1.00	1.00

Courses selected from this list will count as electives.

Business Course Descriptions

405 - Business Law – Grade 10, 11 or 12

Business Law helps students understand their legal obligations and rights in business and avoid legal difficulties. The course covers areas such as constitutional law, criminal and civil law (i.e. felonies, misdemeanors, white collar crimes, torts), contract law (i.e. apartment leases, cell phone agreements), intellectual property law (i.e. copyright infringement, patents, trademarks), estate law (i.e. wills, trusts), and employment law (i.e. discrimination, workplace safety, employee rights and responsibilities). Students will also have an opportunity to research various careers in the legal field.

406 - Marketing – Grade 9, 10, 11 or 12

Marketing remains one of the most popular choices as a college major and as a career. Companies in all industries rely on the marketing functions to expand their operations and attract new and existing customers. In this course students will explore the core areas of marketing including marketing research, information management, product development, pricing strategies, distribution, and advertising. Students will then discover the different career opportunities available in the field of

marketing. After successful completion of this course, students may register for Sports and Entertainment Marketing.

407 - Accounting I – Grade 9, 10, 11 or 12

Accounting is called the language of business. Accounting I strives to give the student an overview of a typical accounting system. The student will learn how to evaluate and record business transactions using the double entry system of accounting. The course presents all phases of the accounting cycle and all basic, common transactions and stresses the “why” as well as the “how” in applying accounting principles to a variety of business records. The reporting of financial information to users is a key aspect of accounting. The course covers the preparation of the three primary financial statements used by all businesses. Much of the material presented is of personal value, such as knowledge of payroll records and payroll taxes as well as banking records. It serves as a sound foundation for further study in the field of accounting or as a background to the business student or aspiring entrepreneur.

408 – (H) Accounting II – Grade 10, 11 or 12

This course builds upon the accounting skills that the student acquired in Accounting I. The student will gain experience analyzing and interpreting financial data. The focus in Accounting II is on the business transactions of corporations. The course takes an in depth look at accounts receivable/bad debts, marketable securities, promissory notes, inventory systems and valuation methods, depreciation methods and asset valuation, accounts and notes payable, accrued revenues and long term liabilities, as well as various equity transactions. Students will find this course invaluable if they are interested in furthering their education in any business related field. This course is available with the RACC Dual-Enrollment option. A good attendance record is essential. A student not currently enrolled in an Honors or AP level course must achieve an A in his or her current course or receive the recommendation of the current course teacher to enroll in an Honors course in the subject area. A student currently enrolled in an Honors or AP level course must achieve a B in his or her current course in order to enroll in another Honors course in the subject area.

409 – International Business – Grades 10, 11 or 12

Did you know that McDonald’s in India does not sell any products made with beef? Did you know that in Belgium, business meetings begin with a kiss rather than a handshake? Did you know that in Northern Ireland, you can find a famous soccer player on the front of their money? Did you know that in Japan, employers are required to measure the waistlines of employees between the ages of 40 and 74? The United States is a major player in the global economy and whether working in another country or employed by an American company that has offices overseas, it is important to understand how the core functions of business are modified for success in the global marketplace. This course will introduce students to how business is done around the world. Students will learn about the cultures and economies of world markets. Topics of study include investing in foreign exchanges, international marketing, importing/exporting, international law, communication challenges, business etiquette and foreign relations. This class is ideal for any student thinking about working and/or studying in another country.

410 - Internship Program – Grade 12

The internship program provides students with a practical introduction to the professional work environment through direct contact with professionals in the community. Students can gain hands on experience in a particular career/field that is of interest to them. This course is available to students

who plan to work upon graduation from high school and to those who are college bound. This program will prepare students for a career, help them examine their career interests, and explore avenues for continuing post-secondary education or entry into the workplace. Internships can be tailored to the unique needs and interests of the student and can be paid or unpaid. A learning agreement outlines the expectations of all parties: the student, parent, school, and the mentor/employer. It is mandatory for students who wish to participate in this program to have a current driver's license along with their own transportation, attend an orientation meeting that is held by the internship coordinator to acquaint themselves with the program, and to have their community service hours completed. Students who intend to enroll in this program must complete all required paperwork by the end of the current school year. It is the student's responsibility to identify a location for their internship opportunity which must be approved. **Prerequisite: Students must complete their community service graduation requirement prior to participating in the Internship Program.**

419 - Entrepreneurship and E-Commerce – Grade 10, 11 or 12

Have you ever thought about starting your own business? This course examines the “American Dream” of business ownership through a variety of activities and projects. Students will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. Students will have the opportunity to combine their own entrepreneurial interests as they develop a complete business plan for a business of their choice. Students will then explore the growing trend of e-commerce (doing business online) by turning their business plans into reality. Using DreamWeaver, students will create an online store for their fictitious business. Prerequisite: A previous business course is suggested but not required.

420 - Introduction to Business – Grade 9, 10, 11 or 12

Introduction to Business is a course primarily designed for 9th or 10th graders with an interest in business-related careers. Students are introduced to economic concepts, business structures and operations, business ethics, international business, personal banking and banking services, career planning, and consumer rights and responsibilities. The course provides those students interested in business with a foundation in business concepts and vocabulary and prepares them for specialized courses in accounting, marketing, entrepreneurship, international business, and business law. In addition, personal money management, career planning, and consumer studies develop valuable life skills important for all students.

425 - Sports & Entertainment Marketing – Grade 10, 11, or 12

This course is an advanced marketing course with special emphasis on sports and entertainment. These multi-billion dollar industries have become important components of our culture and economy, and this course will show students how businesses use sporting and entertainment events to market products and services. Specific topics include target marketing, segmentation, developing a marketing strategy, promotion, sponsorship, naming rights, sales, advertising, public relations, distribution, communications, licensing, and ethics. Students will have the opportunity to apply what they learned as they create their own fantasy sports team. Prerequisite: A final grade of 72% or better in Marketing and/or Introduction to Business; or course instructor approval.

426 – Personal Finance – Grade 11, or 12

This course provides students with a basic understanding of money management and personal financial planning. Topics of study include household budgeting, banking services, consumer lending,

use and abuse of credit, investing in stocks and bonds, insurance, career exploration, financial aid for college, estate planning, and other topics designed to help students plan for their financial future and develop a positive relationship with money. All students, regardless of their intended college major, will learn valuable skills they will use throughout their life.

WORLD LANGUAGES

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	<u>COURSE</u>	<u>RANKING VALUE</u>	<u>CREDIT VALUE</u>
501	Spanish I	1.00	1.00
502	Spanish II	1.00	1.00
503	Spanish III	1.00	1.00
504	Spanish IV (Honors)	1.05	1.00
504A	A.P. Spanish V (ONLINE ONLY)	1.05/1.10	1.00
505	French I	1.00	1.00
506	French II	1.00	1.00
507	French III	1.00	1.00
508	French IV (Honors)	1.05	1.00
508A	A.P. French V (ONLINE ONLY)	1.05/1.10	1.00
509	German I	1.00	1.00
510	German II	1.00	1.00
511	German III	1.00	1.00
512	German IV (Honors)	1.05	1.00
512A	A.P. German V	1.05/1.10	1.00
513	Latin I	1.00	1.00
514	Latin II	1.00	1.00
515	Latin III	1.00	1.00
516	Latin IV (Honors)	1.05	1.00

Progression to the next level of a foreign language will be based on teacher recommendation.

SUGGESTED SEQUENCES IN WORLD LANGUAGE

Grade 9	Grade 10	Grade 11	Grade 12
Spanish/French/ German I	Spanish/French/ German II	Spanish/French/ German III	Spanish/French/ German IV
Spanish/French/ German I	Spanish/French/ German II	Spanish/French/ German III - fall Spanish/French/ German IV - spring	Spanish/French/ German V - AP
	Spanish/French/ German I	Spanish/French/ German II	Spanish/French/ German III
		Spanish/French/ German I	Spanish/French/ German II
			Spanish/French/ German I
	Spanish/French/ German III (until SY 2017-2018)	Spanish/French/ German IV (until SY 2018-2019)	Spanish/French/ German V - AP (until SY 2019-2020)
Latin I	Latin II	Latin III	Latin IV
	Latin I	Latin II	Latin III
		Latin I	Latin II
			Latin I

World Language Course Descriptions

501 - Spanish I – Grade 9, 10, 11 or 12

The Spanish I course is designed to expand upon the basic vocabulary and context of the language learned in Introduction to Spanish. It is open to 9th graders who have successfully completed the introduction course and to 10th graders who would like to begin studying Spanish. Spanish I stresses reading, writing, and speaking of Spanish together with comprehension of the spoken word. Students study additional vocabulary and grammar concepts needed to converse in the language. Prerequisite: successful completion of Introductory Course in the Junior High.

502 - Spanish II – Grade 9, 10, 11 or 12

Spanish II helps students further develop basic skills in listening comprehension, speaking, reading, writing, and cultural understanding. Students should attain the Intermediate-Mid level as described in

the ACTFL provisional proficiency guidelines. Prerequisite: successful completion of Spanish I and course instructor approval. A grade of 75% or higher in the previous level is highly recommended.

503 - Spanish III – Grade 10, 11 or 12

Spanish III is designed for students who desire to broaden their grasp of advanced Spanish grammar and vocabulary. Students develop more sophisticated skills in listening comprehension, speaking, writing, and reading and develop a broader foundation in grammar skills and vocabulary. Exposure to Spanish cultural values will be an integral part of the course. Prerequisite: successful completion of Spanish II and course instructor approval. A grade of 75% or higher in the previous level is highly recommended.

504 - Spanish IV (Honors) – Grade 11 or 12

Spanish IV is open to students who have completed Spanish III and who desire to broaden their advanced language skills. Students utilize the target language both orally and in writing to gain an understanding of the history and literature of the Spanish-speaking world. Students develop foreign language proficiency transferable to a variety of careers and/or further language study at the collegiate level. Prerequisite: successful completion of Spanish III and course instructor approval. A grade of 80% or higher in the previous level is highly recommended.

504A - Advanced Placement Spanish V – Grade 12 (ONLINE ONLY)

AP Spanish Language students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they've learned in extensive written and spoken exercises. By the end of the course, students will have an expansive vocabulary and a solid, working knowledge of all verb forms and tenses. The equivalent of a college-level language course, Spanish V prepares students for the AP examination and for further study of the Spanish language, culture, or literature. Prerequisites: 3 to 4 years of Spanish or equivalent native fluency.

505 - French I – Grade 9, 10, 11 or 12

French I is designed to expand upon the basic vocabulary and context of the language learned in Introduction of French. It is open to 9th graders who have successfully completed the introductory course (1/2 year) in the Junior High, and to grade 10, 11, and 12 students who have reviewed the basic concepts covered in the introductory course. French I emphasizes the necessary skills of reading, writing, and speaking in French, together with the comprehension of the spoken word. Students study additional grammar and vocabulary concepts through story-telling and comprehensible input. Prerequisite: successful completion of Introductory French in the Junior High.

506 - French II – Grade 10, 11 or 12

French II helps students further develop basic skills in listening and reading comprehension, speaking, writing, and cultural understanding. Students focus on communication in the past tense and focus on grammar with a whole language learning approach. Students are evaluated on their performance in the skills of speaking, reading, writing, and listening comprehension. Prerequisite: successful completion of French I and course instructor approval. A grade of 75% or higher in the previous level is recommended.

507 - French III – Grade 11 or 12

French III is designed for students who desire to broaden their grasp of advanced French grammar and vocabulary. This class will be a combined class with French IV/Honors. Students will read daily to build vocabulary and grammar concepts. Through discussion of the novels and authentic texts, students will be exposed to French and Francophone culture and enhance their speaking, listening, reading and writing skills. Because this class is combined, the material used will rotate on an every other year basis to insure that students are not completing the same material twice. Prerequisite: successful completion of French II and course instructor approval. A grade of 75% or higher in the previous level is highly recommended.

508 - French IV (Honors) – Grade 11 or 12

This is a combined class with French III. Due to the weighted nature of this course, students should expect to review all elements covered in French III and refine their skills through classwork and independent work. Students will read daily to build vocabulary and grammar concepts. Through discussion of the novels and authentic texts, students will be exposed to French and Francophone culture and enhance their speaking, listening, reading and writing skills. Because this class is combined, the material used will rotate on an every other year basis to insure that students are not completing the same material twice. Prerequisite: successful completion of French III and course instructor approval. A grade of 80% or higher in the previous level is highly recommended.

509 - German I – Grade 9, 10, 11 or 12

German I is a course intended for students who have completed the Introduction to German course in grade 8, or for those who would like to begin studying the German language. The focus is on speaking and comprehension, as well as developing reading and writing skills in German. Prerequisite: successful completion of Introductory Course in the Junior High.

510 - German II – Grade 9, 10, 11 or 12

German II combines the study of grammar, vocabulary, and culture. The primary emphasis is on communication in the foreign language. Learners should attain the Intermediate-Mid level as described in the ACTFL provisional proficiency guidelines. Prerequisite: successful completion of German I and course instructor approval. A grade of 75% or higher in the previous level is highly recommended.

511 - German III – Grade 10, 11 or 12

German III is a continuation of German II in the areas of grammar, vocabulary, and culture. This course places more emphasis on reading and writing German. Students develop more sophisticated skills in listening comprehension, speaking, and reading as they acquire a broader foundation in grammar skills and vocabulary. Exposure to German cultural values is an integral part of the course. This course is open to students who have successfully completed German II. A grade of 75% or higher in the previous level is highly recommended.

512 - German IV (Honors) – Grade 11 or 12

German IV is a course in which students utilize the target language both orally and in writing to gain an understanding of the history and literature of the German-speaking world. The focus is on reading, writing, and speaking German without the use of English. Students develop foreign language proficiency transferable to a variety of careers and/or further language study at the collegiate level. Prerequisite: successful completion of German III and course instructor approval. A

grade of 80% or higher in the previous level is highly recommended.

512A – Advanced Placement German V – Grade 12

German V is designed to develop student language proficiency in a seminar conducted almost exclusively in German. The course is an approved advanced placement course through the College Board and prepares students for the advanced placement test in the spring of the year. Course materials encompass a variety of materials including film, magazines, newspapers, CD's, the internet, and books. Another valuable resource is our partnership school in Mossberg, Germany. While AP German V is essentially literature based, the course continues the world language focus on effective real-life communication. The course is recommended for all German students interested in pursuing careers in international business, translating, world literature, world history, or international affairs. Students interested in earning college credit for their language proficiency are strongly urged to consider this course. Prerequisites: 3 to 4 years of German or equivalent native fluency.

513 - Latin I – Grade 9, 10, 11 or 12

Latin I is a course which emphasizes development of Latin vocabulary and English word derivatives, grammar concepts, and translation skills. Students learn about the cultural contributions of the Roman Empire to the rest of the world. Many of the assignments that students complete expand and enhance their knowledge of classical mythology. Students can apply their word analysis skills, which are a natural outgrowth of the study of the language, to the taking of SAT I.

514 - Latin II – Grade 10, 11 or 12

Latin II is a course which expands students' knowledge of vocabulary and grammar and which gradually introduces more advanced concepts. Students further develop word analysis skills as they study Greek prefixes, suffixes, and bases. The students read and study the literary works and contributions of Roman writers, especially Caesar. Advanced translations include the story of Jason and the Argonauts and several Trojan War readings. The readings include some in their original forms. Prerequisite: successful completion of Latin I and course instructor approval. A grade of 75% or higher in the previous level is highly recommended.

515 - Latin III – Grade 11 or 12

Latin III is a course that strongly emphasizes grammatical and vocabulary development as well as Roman cultural and historical contributions. Students study original selections from Ovid's Metamorphoses and Vergil's Aeneid as well as selections from the Roman historians Tacitus and Suetonius. Students continue to develop word analysis skills through a study of Greek and Roman prefixes, suffixes, and bases. Prerequisite: successful completion of Latin II and course instructor approval. A grade of 75% or higher in the previous level is highly recommended.

516 - Latin IV (Honors) – Grade 11 or 12

Latin IV is a course that strongly emphasizes grammatical and vocabulary development as well as Roman cultural and historical contributions. Completion of the Anderson and Groton Latin text and readings is a course requirement. Additional readings include selections by Vergil, Tacitus, Tibullus, and Livy. Prerequisite: successful completion of Latin III and course instructor approval. A grade of 80% or higher in the previous level is highly recommended.

TECHNOLOGY EDUCATION

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
551	Introduction to Engineering Design (PLTW)	1.05	1.00
553	Technical and Computer Drawing I	1.00	1.00
554	Technical and Computer Drawing II	1.00	1.00
558	Honors Principles of Engineering (PLTW)	1.05	1.00
559	Graphic Design for the Web	1.00	1.00
560	Honors Civil Engineering and Architecture (PLTW)	1.05	1.0
561	Honors Engineering Design and Development (PLTW)	1.05	1.0
563	Photography Lab I	1.00	1.00
564	Photography Lab II	1.00	1.00
573	Photography Lab III	1.00	1.00
568B	Construction Systems and Production I	1.00	1.00
569B	Construction Systems and Production II	1.00	1.00
570	Metal Technology I	1.00	1.00
571	Metal Technology II	1.00	1.00
570A	Metal Technology III	1.00	1.00
566	Electricity-Electronics	1.00	1.00
572	Residential Systems Maintenance	1.00	1.00

Courses selected from this list will count as electives.

Technology Education Course Descriptions

Students in the Tech Ed/Practical Arts classes will be using industrial machines, industrial tools, and equipment with cutting edges. Individuals who participate must be responsible and work well individually and in a cooperative setting. A good attendance record is essential for the completion of practicums and/or projects. If it is determined that the student cannot meet these expectations, he or she may be denied the opportunity to participate.

551 – Introduction to Engineering Design – Grade 9, 10, 11, or 12

In this course students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Prerequisite: students must be enrolled in Algebra I or higher.

553 - Technical and Computer Drawing I – Grade 9, 10, 11 or 12

This course is an introductory course in technical and computer aided drawing techniques. Students should have a strong interest in engineering design and problem solving. Students will use a variety of drawing instruments to create 2D orthographic projections and 3D pictorial drawings, i.e. oblique and isometric. Students will use a variety of computer aided drawing programs to supplement their traditional drawing board work. Emphasis will be placed on precision drawing techniques and engineering problem solving. Students should be self-motivated and be able to work independently. This course is a foundation course for students interested in construction, manufacturing, or engineering as a career path.

554 - Technical and Computer Drawing II – Grade 10, 11 or 12

This is an advanced course based on Technical Drawing/Computer Aided Drawing I. The course will begin with more advanced 2D and 3D technical drawings. There will be an emphasis in the use of 2D and 3D modeling software. Students will use a variety of programs to creatively solve engineering design problems. Students should have a strong interest in problem solving and design, and be able to work independently and be self-motivated.

Prerequisite: successful completion of Technical Drawing/Computer Aided Drawing I, and course instructor approval

558 – Honors Principles of Engineering – Grade 10, 11, or 12

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Prerequisite: Students must complete Introduction to Engineering Design with an 80% or better and be enrolled in Geometry or higher.

559 – Graphic Design for the Web – Grade 9, 10, 11 or 12

Students in Graphic Design for the Web will explore the fundamentals of graphic design and the overall production processes in creating a web page. Emphasis will be placed on page layout, navigation, and appearance of a contemporary web page. Photoshop, Dreamweaver, and Flash are

examples of the diverse software applications students will incorporate in their design process. At the conclusion of this course, students will be able to create and maintain their own self designed web pages.

560 – Honors Civil Engineering and Architecture – Grade 11, or 12

In this course students will be provided with access to relevant and engaging technologies in a collaborative environment focused on civil engineering and architecture. Students will learn important aspects of building and site design and development. They will apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. Prerequisite: Students must complete Introduction to Engineering Design and Principles of Engineering with a B (82 to 91%) or better.

561 – Honors Engineering Design and Development – Grade 12

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. Prerequisite: students must complete Introduction to Engineering Design and Principles of Engineering with a B (82 to 91%) or better.

Exeter SHS Photography Program

The photography program requires students to demonstrate the highest level of responsibility and trust. Therefore, a student's prior conduct is evaluated when determining inclusion in this program. Throughout these courses, students must be able to work together cooperatively. Given the nature of the work in photography and the physical layout of the photography lab, students must demonstrate the skills of an independent learner. They must be able to work with little direct supervision while in the darkroom processing their photography. If it is determined that students cannot meet these expectations, they will be denied the opportunity to participate in this program. Due to the substantial costs of materials for the Photography program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

563 - Photography Lab I – Grade 9, 10, 11 or 12

Photography Lab I is an introduction course in photography. Students will explore the exciting world of photography. The emphasis of this course will be black and white film photography. Students will learn basic camera techniques, composition, black and white film processing and printmaking. Students will be introduced to digital photography and associated computer software. Students will be expected to find unique and interesting subjects outside of school for their projects. A 35mm SLR film camera is required for this course. Cameras will be available to loan students on a limited basis.

564 - Photography Lab II – Grade 10, 11 or 12

Photography Lab II is an advanced class in photography for students who wish to improve their photographic and darkroom skill and to increase their knowledge of photography. Students will expand their knowledge of photographic applications including black and white, digital, color, and appropriate computer software. Students will also have the opportunity to work in areas of their own interest. Together, the teacher and the student will appraise the student's needs and interests and establish requirements. This class is highly recommended for students interested in photography (as

a hobby or career), communications, fine arts, or commercial art. Students will be expected to find unique and interesting subjects outside of school for their projects. Prerequisite: successful completion of Photography Lab I with an 82% or above or recommendation from the teacher.

573 - Photography Lab III – Grade 11 or 12

Photo Lab III is for the serious photography student who would like to continue their study of photography. The class would include both traditional black & white photography and digital photography. Creatively the class will emphasize composition and presentation. Technically the class will emphasize camera use, darkroom techniques and the use of Photoshop image-editing software. Photo Lab III will be an independent study class with projects selected by both the student and instructor in a collaborative manner. The instructor must approve all student-selected projects. Students who select this course should be interested in a career choice which may include the visual arts, photojournalism, fashion, advertising, industrial photography or other related fields. Students must have successfully completed Photo Lab II with a 90% or better average to enroll in Photo Lab III or recommendation from the teacher.. A 35mm film SLR camera and a digital camera are required.

568B - Construction Systems and Production I – Grade 9, 10, 11 or 12

During this course students will explore and utilize current construction systems including CNC technologies and mass production techniques. CSP students will engage in designing, problem solving, and analyzing the logistics of a mass-produced product in the construction lab. Students will develop individualized practical skills associated with the traditional methods and innovative techniques.

569B - Construction Systems and Production II – Grade 10, 11 or 12

The CSP II course is a progressive extension of the CSP I program. Emphasis is placed on perfecting previously acquired procedures and techniques. Students complete activities based on CNC technologies and lab equipment. Project designs involve greater problem-solving abilities and practical skills.

570 - Metal Technology I – Grade 9, 10, 11 or 12

Metal Technology I is an applied, hands-on, interactive course that introduces students to the basic tools, machines, materials, and processes of the metal industry. This course is for students with very little knowledge of this subject area. Student outcomes include general ability on machines such as lathes, vertical/horizontal milling machines, the drill press, band saws, and other hand tools. Students also develop skills in soldering, welding, and metal identification. A variety of educational practices including lecture and hands-on project work, help students master the course objectives.

571 - Metal Technology II – Grade 10, 11 or 12

Metal Technology II is a hands-on interactive course that challenges student's to apply the basic tools, machines, material, and processes of the metal industry. This course is for students with above average knowledge of this subject area. Student outcomes include intensively perfecting their machining and manufacturing abilities. Students develop problem solving abilities and use technical drawing skills through research and design problems. A variety of educational practices including lecture and hands-on project work help students master the course objectives.

570A - Metal Technology III – Grade 11 or 12

Metal Technology III is an intense independent study that requires serious responsibility with the

student. This course includes researching and designing a particular area of interest, then using machines such as lathes, vertical/horizontal milling machines, drill press, band saws, furnace and other hand tools to construct the hands on research necessary. Data will be collected and presented in a classroom presentation. A variety of educational practices including lecture and hands-on project work will help students master the course objectives. Prerequisite: Successful completion of Metal I & Metal II and course instructor approval.

566 - Electricity-Electronics – Grade 9, 10, 11 or 12

The Electricity-Electronics course is a basic theory and hands-on program designed to meet the needs of the Tech Prep student. Topics include AC and DC circuits, motors, control systems, power supplies, and residential wiring. Students learn the proper use of testing equipment.

572 - Residential Systems Maintenance – Grade 9, 10, 11 or 12

This course is designed to educate the future homeowner about residential systems and their operations. Students will study complete systems including HVAC, electrical, plumbing, security, and energy conservation. Hands-on activities will include electrical wiring, plumbing applications, and the common maintenance and proper use of tools and equipment. Students will acquire troubleshooting and problem-solving skills associated with common residential systems.

FAMILY AND CONSUMER SCIENCES

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
601A	Sports Nutrition	1.00	1.00
602	Foods and Nutrition	1.00	1.00
604	Parenting and Child Development	1.00	1.00
608	Fashion Design and Merchandising	1.00	1.00
610	Educational Apprenticeship	1.00	.5 or 1.00
611	Interior Design and the Home	1.00	1.00
612	Life 101	1.00	1.00

Students may select courses from this list as electives.

Family and Consumer Sciences Course Descriptions

601A - Sports Nutrition – Grade 11 or 12

Students discover the role proper nutrition plays in optimizing athletic performance and quality of life. Topics include sports diet, protein power, recovery carbs, sports drinks, energy foods, body image, and food-mood connections. Students learn to examine printed nutritional information and make educated decisions regarding a nutritionally sound diet. Food labs may include common food allergens. Students with food allergies should confer with the teacher before choosing this class. Due to the substantial costs of materials for this program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

602 - Foods and Nutrition – Grade 11 or 12

The course emphasizes valuable skills and techniques for basic food preparation. Students develop the ability to make nutritionally sound food choices. In addition, the exploration of food science concepts and food preparation skills within the My Plate guidelines provides students opportunities to master consumer skills. This course should appeal to any student interested in foods, including those interested in food-related careers. . Food labs may include common food allergens. Students with food allergies should confer with the teacher before choosing this class. Due to the substantial costs of materials for this program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

604 - Parenting and Child Development – Grade 9, 10, 11 or 12

Students will enjoy exploring personal development, family roles, interpersonal relationships and the balance of work and family, with a focus on parenting skills and stages of child development. Parenting and Child Development offers a lifespan approach to individual and family development that affects a successful, positive lifetime experience. This course should appeal to students interested in careers in education, speech therapy, social work and health sciences.

608 - Fashion Design and Merchandising – Grade 9, 10, 11 or 12

Students will explore the many facets of fashion. Color, design, fabrics, wardrobe planning, production, merchandising, and retail are a few of the fashion-related topics, as well as career opportunities within the fashion field. Students will also be experimenting with sewing techniques while creating fun and useful personal items. Final projects include a personalized T-shirt blanket and Look Book. Due to the substantial cost of materials for this program there is a materials fee that will not exceed \$30. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

610 - Educational Apprenticeship – Grade 12 ONLY (Pass/Fail)

This course provides an opportunity for students to assist staff members for one period per day. Students will participate in direct hands-on experience related to the position of the sponsoring staff member. Students will be responsible for documenting daily assigned activities and completing a writing activity at the end of each quarter. It is the responsibility of the student to find a cooperating professional employee. A maximum of one student per semester may be assigned to a cooperating teacher. The necessary approval must be obtained from the main office and sponsoring faculty member and attached to the course selection sheet that is submitted to the guidance office. Prerequisite: Successful completion of all scheduled classes, good school citizenship, acceptable attendance record and student conduct. The course will be assessed pass or fail and the building principal will be the teacher of record. This apprenticeship will be limited to the high school building only.

611 – Interior Design and the Home – Grade 9, 10, 11, or 12

This course provides students with an introduction to planning and decorating the home. The historical, cultural, and technological influences on housing and interiors will be discussed, along with choosing suitable housing. While acquainting students with the principles and elements of design, they will be able to look at decorating a space as a whole. Career content will discuss both the occupations available in housing and the general skills needed to be successful in any job. Upon completion of this class course students will be able to demonstrate their knowledge of the course by completing a presentation board, models as well as using other presentation techniques.

612 – Life 101 – Grade 9, 10, 11, or 12

Pick a starter career and receive a weekly “paycheck.” Don’t forget to pay your utilities, car loan, student loans and other expenses! Do you know how to write an effective resume to get the job you want? Are you a proficient interview candidate? Interview dos and don’ts. Don’t wing it! You have \$50.00 to buy food for the week. How do you not starve by the end of the week? Friends are coming over to watch the Super Bowl. Can you prepare fun, healthy snacks for them? What are easy food prep techniques? You need transportation - a new or used car? What should you be looking for to make a wise choice? How do you choose financing and car insurance? The

cable service in your area offers 112 channels plus ultimate channels, premier channels, sports packages, Video OnDemand. What can you afford? What do you need? Social Networking – what exactly is it? How does it work? Dos and don'ts. Credit or debit? Credit or cash? THIS IS LIFE 101! Plus more relevant, fun experiences to improve your future. Due to the substantial costs of materials for this program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

FITNESS AND WELLNESS

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
647F	Fitness - Grade 9 and 10	1.00	.25
647W	Wellness - Grade 9	1.00	.25
652W	Wellness - Grade 10	1.00	.25
648	Fitness Grade 11 and 12	1.00	.5
657	Strength and Conditioning	1.00	1.00
658	Personal Training	1.00	1.00

Fitness Requirements

Fitness uniforms are any combination of blue and white athletic clothing. Because of the participatory nature of the fitness portion of class, absences affect the student's grade. Students should be familiar with the senior high school's attendance policy found in their student handbooks. Unexcused absences and/or refusal to participate in regular class activities result in 0 points for the day(s). Students must furnish a doctor's note to excuse them from participation in a fitness class without the loss of participation points.

Fitness and Wellness Course Descriptions

647F – Fitness – Grade 9, 10

All students will be enrolled in Fitness and Wellness offerings during each school year unless constrained by other schedule requirements. Each course offers activities that promote healthy living. Physical activities will focus on introduction of fitness components including strength and endurance fitness development, agility, flexibility, and cardiovascular fitness. In addition sport fundamentals and strategy activities will focus on cognitive skills like team building, spatial awareness, and game strategy.

648 – Fitness – Grade 11, 12

All students will be enrolled in Fitness and Wellness offerings during each school year unless constrained by other schedule requirements. Each course offers activities that promote healthy living. Physical activities will focus on a variety of fitness components including strength and endurance fitness development, agility, flexibility, and cardiovascular fitness. In addition sport and strategy activities will focus on cognitive skills like team building, spatial awareness, and game strategy.

647W – Wellness Grade 9

Wellness 9 focuses on the latest trends in health focusing on physical, mental/emotional, and social health. Units of instruction include: the Health Triangle; Sex education; Tobacco, alcohol and drugs; and Life management skills including stress management, sleep, and overall well being. We will explore personal health, health related attitudes and beliefs, and individual health behaviors.

652W – Wellness Grade 10

Wellness 10 focuses on the latest trends in health, nutrition, stress management, sleep, and overall well being. We will explore personal health, health related attitudes and beliefs, and individual health behaviors. Units of instruction include: Nutrition, Mental Health, Addiction, and an introduction to CPR and AED training.

657 - Strength and Conditioning – Grade 9, 10, 11, or 12

Students enrolled in Strength and Conditioning learn about and participate in weight training, plyometric training, cardiovascular training, and flexibility training, with the emphasis on weight training. All exercises implemented are based on the National Strength and Conditioning Association's Guidelines. The students learn about human anatomy, nutrition, weight training philosophies and methods, and basic biomechanics. When the students leave the program, they will have skills and knowledge to develop and implement their own fitness routine. This course may be taken as an elective. Prerequisite: 90% or above in fitness or previous Strength and Conditioning; students must be able to pass a physical from a certified doctor, and students must obtain course instructor approval.

ART

MASTER COURSE LISTING

Academic offerings may be scheduled in 45 or 90 minute periods.

#	COURSE	RANKING VALUE	CREDIT VALUE
701	Fine Arts Studio I (Honors)	1.05	1.00
702	Crafts Studio	1.00	1.00
703	Design Studio (Honors)	1.05	1.00
704	Fine Arts Studio II (Honors)	1.05	1.00
707	Fundamentals of Art	1.00	1.00
707A	Fundamentals of Art II	1.00	1.00
708	Graphic Design (for print)	1.00	1.00
708A	Graphic Design II (for print)	1.00	1.00
709	Graphic Design III Digital Portfolio	1.00	1.00
710	AP Studio Portfolio Preparation	1.05/1.10	1.00
711	(H) Studio Art History	1.05	1.00
712	Contemporary Art	1.00	1.00
713	Ceramics Studio	1.00	1.00
714	Yearbook	1.00	1.00
715	AP Art History	1.05/1.10	1.00

Students may select courses from this list as electives.

Art Course Descriptions

Due to the nature of art studio courses and the tools used, students who participate in them must be responsible and work well in a cooperative setting. A good attendance record is essential for the completion of projects. If it is determined that students cannot meet these expectations, they may be denied the opportunity to participate in these programs.

701 - Fine Arts Studio I (Honors) – Grade 10, 11 or 12

This course will focus mainly on drawing skills with some painting incorporated into the course of study. Various mediums and techniques will be explored as the students progress throughout the semester, as well as examining historical and contemporary works of art. Students must keep an outside drawing journal throughout the course. Students with a serious, disciplined interest in the fine arts should enroll. This course is available with the RACC Dual-Enrollment option. A good attendance record is essential. Prerequisite: successful completion Fundamentals of Art I with an 82% or better and/or recommendation from the instructor. Due to the substantial costs of materials for the art program, there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

702 - Crafts Studio – Grade 10, 11 or 12

Experiences from Fundamentals of Art I will be an asset to students taking this course. Studio work, critical analysis, and historical and cultural perspectives are combined to give the student an opportunity to explore a variety of craft methods and materials. Students explore both functional and aesthetic works and learn to transition from working two-dimensionally to three-dimensionally. A good attendance record is essential for the completion of projects. Due to the substantial costs of materials for the art program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

703 - Design Studio (Honors) – Grade 10, 11 or 12

Serious art students will explore the elements and principles of two and three- dimensional design as they relate or contrast to commercial and industrial art through studio experiences. The course will prepare students for their foundation level college course. Students will use of a wide variety of materials and methods. A good attendance record is essential for the completion of projects. Prerequisite: Students need to have completed and successfully achieved an 85% or better in Fine Arts I or Fundamentals of Art II and have written permission from the instructor. This course is available with the RACC Dual-Enrollment option. Due to the substantial costs of materials for the art program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

704 - Fine Arts Studio II (Honors) – Grade 10, 11, or 12

Fine Arts II is designed for serious art students who wish to do advanced work in both drawing and painting, with the main focus on painting. Students will explore various mediums, techniques, historical and contemporary works, and critiques. Students must keep an outside drawing journal throughout the course. A good attendance record is essential for the completion of projects. This course is available with the RACC Dual-Enrollment option. Prerequisite: Students need to have completed and successfully achieved an 82% or better in Fine Arts I and have written permission from the instructor. Due to the substantial costs of materials for the art program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop

period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

707 - Fundamentals of Art – Grade 9, 10, 11, or 12

Fundamentals of Art is specifically designed for students interested in art but have limited art studio experience. Students will learn about the elements and principles of design and explore and experience a wide variety of visual arts areas including basic drawing, design, sculpture, and crafts. Due to the substantial costs of materials for the art program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

707A - Fundamentals of Art II – Grade 10, 11 & 12

Fundamentals of Art II is designed for individuals interested in art, who would like to continue their explorations of various media both two and three dimensionally. Students will further develop their artistic skills in media such as drawing, painting, ceramics, papier-mâché, pastel and mixed media. A good attendance record is essential for the completion of projects. Historical research and writing will be a component of some of the projects. Prerequisite: successful completion Fundamentals of Art I with an 82% or better or recommendation from the instructor. Due to the substantial costs of materials for the art program there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

708 - Graphic Design (for print) – Grade 9, 10, 11, or 12

Graphic Design I introduces students to the world of computer based art and design. Students will learn the Adobe design programs Photoshop and Illustrator. This course will cover print media concepts through units such as typography, graphics and photographic manipulation. In addition, students will formulate their ideas by utilizing the design thinking process; a creative process that professional designers use when solving visual problems. Due to the substantial costs of materials for the art program, there is a materials fee that will not exceed \$15.00

708A - Graphic Design II (for print) – Grade 10, 11 or 12

This course will cover advanced print media concepts through units such as typography, graphics, photographic manipulation and layout design. In addition, students will formulate their ideas by utilizing the design thinking process; a creative process that professional designers use when solving visual problems. Knowledge of design concepts and layout as well as the ability to think creatively and work independently is essential. This class is recommended for the students who are serious about pursuing graphic design, marketing and/or print production as a career. Prerequisite: Successful completion of Graphic Design I with an 82% or better or recommendation from instructor. Due to the substantial costs of materials for the art program, there is a materials fee that will not exceed \$15.00.

709 – Graphic Design III Digital Portfolio – Grade 11 or 12

This course is a more advanced version of Graphic Design II where students who are interested in pursuing a major in graphic design field are given the opportunity to develop a digital portfolio for this component of a college's entrance requirement. By the end of this course, students will have created a portfolio highlighting their best design work from Graphics I, II, and III. Students will focus on creating a well-balanced portfolio showing proficiency in multiple areas of digital and printed media. Prerequisite: Successful completion of Graphic Design I and II with an 82% or better or permission from the instructor. Due to the substantial costs of materials for the art program, there is a materials fee that will not exceed \$15.00.

710 – AP Studio Portfolio Preparation – Grade 11 or 12

This course is designed for students planning further study in art and art based majors that include, but are not limited to, architecture, interior and fashion design, and photography at the college level. The completion of the course will result in a portfolio to present to colleges for admission. Drawings from direct observation will be an important component of the course showing various spatial systems, value and light source. Students will demonstrate the ability to work in a range of styles from traditional to abstract. College Board requires artwork in the breadth section showing diversity of skills as well as different pieces of artwork in the concentration section of the portfolio. These works must show an in depth exploration of a particular design or drawing concern. This course involves a significant time investment, therefore, is not intended for casually interested art students. Students are able to take the Advanced Placement Examination in May and depending upon the exam score may earn college credit or advanced placement. Prerequisite: successful completion of Fine Arts Studio I and II with an 82% or better and written permission from the instructor. Due to the substantial costs of materials for the art program, there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

711 – Studio Art History (Honors) – Grade 9, 10, 11, or 12

Studio Art History is designed for non-art majors as well as those interested in pursuing art. This course is for individuals who have an appreciation for art history, would like to enhance their reading, writing, and research skills in academically based studies, as well as supplement those skills with hands-on art experiences that relate to the art history lessons. This course is available with the RACC dual enrollment option. Due to the substantial costs of materials, there is a materials fee of \$15.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students. Students may qualify for college credits through RACC. To receive credit through RACC, students must satisfy the prerequisite: Advanced Placement Language and Composition.

712 – Contemporary Art – Grade 10, 11, or 12

This class is designed to introduce students to various forms of contemporary art-making in sculpture, printmaking, and mixed media. This class will also offer opportunities to discuss the competitive modern art industry of today. Fundamentals of Art I is a prerequisite for Contemporary Art. Due to the substantial cost of materials for this art program, there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

713 – Ceramics Studio – Grade 10, 11, or 12

Ceramics Studio introduces students to wheel throwing, numerous hand building techniques, glazing and firing of clay as an expressive studio medium applicable to traditional and contemporary forms. Functional and sculptural concepts will be addressed and forms will be used to expand sensitivity to material and the history of ceramics. Clay vessels will be utilized to develop an understanding of glazing and firing techniques. Students will work towards making portfolio quality pieces. Students must be responsible, due to the nature of the tools and equipment used in this course, and work well in a cooperative setting. A good attendance record is essential for the completion of projects. The successful completion of the Fundamentals of Art I course is required for entry to this course. Due to the substantial cost of materials for this art program, there is a materials fee that will not exceed \$30.00. Students must pay the materials fee before the end of the add/drop period for the course in order to remain in the course. Fee waivers may apply for economically disadvantaged students.

714 – Yearbook – Grade 10, 11, or 12

This course is designed for students interested in designing and producing Exeter's yearbook. Students will learn advanced design processes through page layouts, creating graphic themes, photographic editing, and creative graphic design and typography skills. Other responsibilities include interviewing, feature writing, module layouts, picture planning, sales design, marketing, advertising, and statistics. Students will also learn how to collaborate with copywriters, photographers, club advisors and the various departments within the high school to aide in the successful completion of layouts for the yearbook. Photoshop and Illustrator techniques will be taught as well as the Studio Works online yearbook design software. Students are required and will be expected to participate in Yearbook class activities outside the hours of the school day as part of their course of study. This may include the following: Taking pictures of home sporting events or after school activities, helping to proof, edit or design yearbook spreads after school to meet deadlines, or helping sales and marketing efforts by creating emails or printed promotional materials that are to be distributed throughout the school. Prerequisites include Graphic Design I or successful completion of English 9. Those interested in photography must have completed a photography class. Students must complete an application form with recommendations from another teacher before being granted admission to this course. There will be a \$15.00 studio fee to cover the cost of printing and project supplies.

715 – AP Art History – Grade 11 or 12

This class is designed to meet the need to prepare students interested in Art History to successfully complete the College Board AP Art History exam. It provides a rigorous, college-level art history course for students considering pursuing their post-secondary education in art or art education. AP Art History also provides a rigorous, college-level, experience for students in expository and comparative writing, discussion, and presentation. Prerequisite: student must have completed honors level or AP English.

MUSIC

MASTER COURSE LISTING

#	COURSE	RANKING VALUE	CREDIT VALUE
750	Jazz Band – Grade 9	1.00	.5
752	Chorus – Grades 9 through 12	1.00	1.00
753	Orchestra – Grade 9 and 10	1.00	1.00
754	Introduction to Strings	1.00	.5/1.00
755	Introduction to Band	1.00	.5/1.00
751	20th & 21st Century Popular American Music Appreciation	1.00	1.00
757A	Marching/Concert Band	1.00	1.00
758	Jazz Band – Grade 10	1.00	.5
759	Jazz Band – Grade 11 and 12	1.00	.5
764	Orchestra – Grade 11 and 12	1.00	1.00
765	Concert Choir – Grades 9 through 12	1.00	1.00
767	Guitar	1.00	.5
767A	Guitar II	1.00	.5
768	A.P. Music Theory	1.05/1.10	1.00
770	Voice Class	1.00	.5/1.00
771	Music Production	1.00	1.00
772	Piano Lab and Music Theory I	1.00	1.00
773	Strings Class/Orchestra Sectional	1.00	.5/1.00

Students may select courses from this list as electives.

Music Course Descriptions

750, 758, 759 - Jazz Band – Grade 9, 10, 11 & 12

Through teacher recommendation from a student's junior high school or senior high school band or orchestra director, students who play an instrument consistent with a Big Band jazz ensemble may enroll in this class. This class is dedicated to the development of quality jazz performance and a fundamental understanding of jazz style. Students must participate in numerous community performances. Prerequisite: completion of the concert band or orchestra program through grade 8 and current enrollment in the Grade 9-12 band or orchestra programs. Students interested in Jazz Band 11 & 12 must audition in the spring prior to enrollment.

752 - Chorus – Grade 9, 10, 11 & 12

This is a performing arts ensemble open to all 9-12th grade students. Students must show a desire and commitment to developing their vocal musical ability and knowledge. Participation in a minimum of two public concerts, typically one in the fall semester and one in the spring semester, is a course requirement. No audition required.

753 - Orchestra – Grade 9, 10

This is a performing arts ensemble open to all ninth and tenth grade students who have completed at least one year of prior orchestra experience. Students must show a desire and commitment to developing their musical ability and knowledge. Participation in a minimum of two public concerts is a course requirement. This course will be offered as a 1 credit course only. Exceptions may be made as needed.

751 – 20th & 21st Century Popular American Music Appreciation – Grade 9, 10, 11 & 12

Students will be introduced to popular American Music starting at the turn of the century Units such as the origins of jazz in Ragtime and African American slave music influence, WWI music and the Big Band era, the Roaring 20's, music of the Great Depression, WWII wartime music and the emergence of popular individual artists and groups, the Origins of Rock, the British Invasion, Seventies Disco and Funk Eras, 80s Electronica Music, and Popular music of 90s will be introduced.

757A - Marching/Concert Band – Grade 9, 10, 11 & 12

This is a performing arts ensemble combining the two elements of concert band and marching band. Enrollment is open to students who play a band instrument and to color guard members who are chosen by audition. The marching band performs at all varsity senior high football games, marches in various civic parades, and participates in band adjudications and special events as they arise. Requirements include attendance at all scheduled performances and pride in being Exeter's goodwill ambassadors. Rehearsal times include rehearsals during the school year as well as summer and evening rehearsals. Concert band will rehearse during the marching season to provide a well-rounded band experience. Prerequisite: All students must participate during the first two weeks of official band camp, typically the second and third weeks in August, in order to participate the following academic year. Students who do not attend band camp during those first two official weeks will not be permitted to participate in the course that year. Those students interested in performing on the battery percussion drum line must audition in the spring prior to the year of enrollment. Percussionists who do not audition in the spring will have the opportunity to perform as part of our pit percussion ensemble during the marching band season.

764 - Orchestra – Grade 11, 12

Orchestra is a performing arts ensemble dedicated to enhancing the students' musical skills and appreciation for the art of music through performance. Requirements include completion of at least two prior years in orchestra and participation in a minimum of two public concerts per year.

765 - Concert Choir – Grade 10, 11 & 12

Concert Choir is a performing arts ensemble dedicated to enhancing the students' musical skills and appreciation for the art of music through performance. Requirements include a dedication to choral performance, singing in foreign languages, styles and historical periods through choral music, and participation in a minimum of two public concerts per year. Audition required.

767 - Guitar I – Grade 9, 10, 11, & 12

Guitar I teaches the fundamentals of note reading, basic chords, and ensemble playing. This course is intended for the student who has not had any experience on the guitar. It is recommended that the student acquire a guitar for home practice.

767A - Guitar II – Grade 10, 11, 12

Guitar II is for the student who has completed Guitar I. Students wishing to enter Guitar II transferring in from another school must demonstrate fluent first position note reading and first position chordal vocabulary to the instructor before selecting the class. Curriculum includes barred chords, power chords, aural transposition/lead lines, 5th position note reading, four part ensemble literature and much more.

768 - Advanced Placement Music Theory – Grade 11, 12

This is a semester-long course in the development of writing and arranging music. Early weeks of the course will focus on basic music concepts. Students will then improve their listening skills by matching pitches and writing simple melodies through dictation. By the end of the course, students will be able to arrange music in four parts using correct voice leading and harmonic rules and be able to transpose their arrangements for various vocal or instrumental groups. The course will also include analysis of current music literature that students may be performing in a musical ensemble. In addition students will explore how historical practices affected harmonic musical development. Prerequisite: students must have earned an "A" in Music Theory/Music Production and their teacher's approval. Students who have not taken Music Theory/Music Production must gain the current AP Music Theory teacher's approval.

770 – Voice Class – Grade 9, 10, 11 & 12

Voice Class is for the singer who would like to take voice (singing) lessons. Structured as a traditional classical vocal class, students will prepare solos, duets and small group literature. A Master Class format will be employed where a student performs for the class and everyone gives feedback. This class is recommended to students who possess a strong interest to further develop their current vocal abilities or are planning to continue to sing beyond their high school experience. Musicianship skills such as sight-reading and music theory as applied to singing will be employed.

771 – Music Production – Grade 9, 10, 11 & 12

In this course students will be introduced to basic music production software, concepts of song construction, multiple forms of sound formats, including Midi, live sound, and pre-recorded waves

and midi loops. Students will also learn about a variety of microphones, placement of microphones, the art of mixing versus live sound reinforcement and distribution of music. Software instruction will include Garageband, Logic X, Audacity, Sibelius, Noteflight and possibly Pro Tools.

772 – Piano Lab and Music Theory I – Grade 9, 10, 11 & 12

In this course students will learn to play simple piano exercises and progress to compositions and solos of medium difficulty by utilizing skill development and individual practice. Students will also learn the basics of music theory, through online portals and project based assessments.

773 – Strings Class/Orchestra Sectional – Grade 9, 10, 11 & 12

In this course students will work on skills presented in orchestra class, but delve more deeply into the content and individual needs during sectionals, while enriching personal skills. Students must be enrolled in Orchestra to be eligible for this class.

SPECIAL EDUCATION AND GIFTED EDUCATION PROGRAMS

Transitional Work Experience Program

099A, 099S, 011S - Transitional Studies – Grade 9, 10, 11 & 12

The student must have a current Individual Education Plan. Transitional Studies is a course designed to assist the student in transitioning from high school to college, post-secondary training, or full time employment. The course will direct the student in learning how to gather information and use this information to develop a plan of action that is right for that individual. The student will participate in activities designed to develop skills that require the student to self-advocate, obtain and maintain employment, and be an informed consumer.

966 - Transitional Work Experience Program – Grade 9, 10, 11 & 12 (Pass/Fail)

Transitional Work Experience Program is available to students who have Individual Education Plans. The purpose of this program is to assist the student with a quality education, employment skills, and opportunities for continuing education/career. The course is individually developed depending on the student's interests and transitional/career goals. The program is designed to reflect the student's post-graduate intentions such as: employment upon graduation; vocational training; college. The IEP team combines in-school activities/courses with community-based learning as the student progresses through the program.

Gifted Support Advanced Choices for Enrichment (A.C.E.) Grades 9 – 12

The Exeter Township Senior High School ACE program is designed for students with a Gifted Individualized Education Plan (GIEP). The ACE program provides students the freedom to choose areas for independent, self-directed and in-depth study while fostering a positive attitude toward creative challenges, investigative activity, knowledge creation, risk taking, goal setting, interpersonal skills and self-reflection. Students are encouraged to select the option in their current area of interest which is meaningful in terms of portfolio development, transcripts, college admissions, scholarships and future employment. In addition to the program options, students in the ACE program will have the opportunity to participate in college exploration, career awareness, local and state competitions and special interest seminars and field trips.

Secondary Life Skills Program (Grades 9 – 12)

Life Skills Support – Health and Safety

This functional based course teaches students how to improve their health and increase their safety at home, work, and in their communities. Topics such as recognizing symptoms of illness, caring for yourself when you are hurt, communicating with healthcare professionals, eating balanced meals,

implementing exercise programs, and recognizing and preventing abuse are examples of topics addressed in this course. Functional, hands-on activities reinforce concepts learned throughout the course. This course is available to students with an Individualized Education Plan and who are participating in the Life Skills program.

Life Skills Support – Functional Reading

Life Skills Reading focuses on teaching students those reading skills which are needed in current and future environments. Decoding and comprehension are stressed but instruction also focuses on teaching students high frequency words they will see in their communities, such as signs related to safety, restaurants, grocery stores, and in the workplace. Functional reading tasks are also addressed, such as reading a newspaper, using the telephone book, reading labels, recipes, schedules, and menus. This course is available to students with an Individualized Education Plan and who are participating in the Life Skills program.

Life Skills Support – Functional Math

Life Skills Math focuses on the acquisition, maintenance, and generalization of functional math skills, such as basic computation, money recognition and money management, budgeting, math as it relates to cooking, time and time management, calendar skills, and measurement. Hands on activities are used to reinforce basic math concepts, such as writing checks, creating a budget, and maintaining a check register. This course is available to students with an Individualized Education Plan and who are participating in the Life Skills program.

Life Skills Support – Social Skills

This functional-based course is designed to offer support to students who have an Individualized Education Plan and are participating in the Life Skills program. This course addresses the skills that students will require to be successful in social situations, such as meeting new people, conversation skills, conflict resolution, functional writing tasks, and problem solving.

Life Skills Support – Transition Skills

This functional-based course is designed to offer support to students who have an Individualized Education Plan and participate in the Life Skills program. This course focuses on skills that will prepare students for employment, either supportive or competitive. Personal strengths and needs, as well as areas of interest are explored through the completion of various work/interest inventories. Additional topics include career exploration, work readiness, interview skills, resumes, and social skills in the workplace.

014S - Emotional Support - Reflections

This course is designed and recommended for the special education student with an identification of emotional support needs. The course will instruct students within the theories and curriculum of Mindfulness and the 7 Habits of Highly Effective Teens. This is the concept of offering instruction in guidelines and activities for helping students use their attention to comprehend and retain information. Skills within the area of emotional management, self-management interventions, and mental health transitions will be taught and evaluated. Use of the English Language Arts standards will encompass the course work and activities. Students can improve academic success, develop positive coping and leadership skills, gain positive socialization and interpersonal skills, and reduce behavioral health symptoms.

BERKS CAREER AND TECHNOLOGY CENTER

www.berkscareer.com

OUR MISSION is to prepare all students for successful careers and higher education through a highly acclaimed, integrated academic and technical education experience.

BCTC

- is a premier career & technical education center with state-of-the-art learning labs.
- teachers are experienced professionals with practical experience.
- programs are reviewed and updated annually by local business and industry advisors.

BCTC prepares You for:

- Two or four-year college
- Technical or trade school
- Apprenticeship programs
- Military service
- Direct entry into the workforce

BCTC also offers students the opportunity to be involved in career and technical student organizations such as the National Technical Honor Society. Such organizations provide personal growth, leadership and networking opportunities.

Berks Career & Technology Center consists of two campuses:
East Campus | 3307 Friedensburg Road | Oley, PA 19547 | 610-987-6201
West Campus | 1057 County Road | Leesport, PA 19533 | 610-374-4073
Visit us online at www.berkscareer.com

BCTC APPLICATION PROCESS

Students apply for enrollment at BCTC through their guidance counselor. All student applications are sent to the BCTC where candidates from throughout the county are chosen. Each student application is reviewed according to the following criteria:

- **Student Interest** – The thoroughness of the application is viewed as a measure of the interest of the student applicant. Special attention is paid to what research was done to find information about the career area to which a student is applying.
- **Teacher Evaluation** – Students may request evaluations from junior or senior high school teachers of their choice.
- **Guidance Counselor/Administrative Recommendations**

- **School Citizenship** - Student conduct and attitudes are noted.
- **Attendance** – Students should have strong patterns of school attendance. Attendance is reviewed for patterns over a 3-year period.
- **Grades** – While grades are important, they are not the most critical item. Grades are reviewed over a 3-year period.
- **Aptitude** – Does the student possess the potential to be successful in the field?
- **Health** – While not restricting a student’s selection, health concerns are a necessary consideration. Conditions such as color blindness, fear of heights, etc., will affect success in certain programs.

It is the policy of the Berks Career and Technology Center not to discriminate on the basis of sex, handicap, race, color or national origin in its educational and vocational programs, activities or employment, as required by Title IX, Section 504 and Title VI. Inquiries regarding compliance with Title IX, Section 504 or Title VI should be directed to the Office of the Administrative Director at 1057 County Road, Leesport, PA 19533, (610) 378-4884.

BCTC PROGRAMS

Seven Career Pathways

Thirty-Seven Career and Technical Education Programs

Five Technical Academics with Reading Area Community College.

Business & Information Technology

- *Business Management & Entrepreneurship (W)
- *IT Networking (E)
- *IT Programming (W)

Communications

- Advertising Art & Design Technology (W)
- Communication Media Technology (W)
- Graphic Imaging Technology (W)
- Photo Imaging Technology (W)

Construction

- Building Construction Occupations (B)
- Cabinetry & Wood Technology (E)
- Carpentry (E)
- Electrical Occupations (B)
- HVAC / Refrigeration (E)
- Masonry (E)
- Painting & Decorating (W)
- Plumbing & Heating (E)

Engineering & Manufacturing Technology

- Engineering Technology Career Pathways
 - Electronic Engineering Technology (W)
 - *Mechatronics Engineering Technology (W)

- Robotics & Automation Technology (W)
- Drafting Design Technology (W)
- Precision/Computerized Machining Technology (W)
- Welding Technology (W)

Healthcare

- Dental Occupations (E)
- *Health Occupations (W)
- Health-Related Technology (E)
- Medical Health Professions (W)
- Sports Medicine & Rehabilitative Therapy (E)

Services

- Cosmetology (B)
- Culinary Arts (B)
- Early Childhood Education (B)
- Horticulture (E)
- Protective Services (E)
- Service Occupations (E)

Transportation

- Automotive Collision Repair Technology (B)
- Automotive Technology (B)
- Diesel Technology (E)
- Heavy Equipment Technology (E)
- Recreational & Power Equipment Technology (W)

Note: (B) indicates the program is offered at both campuses.

(E) indicates the program is offered only at the East Campus in Oley.

(W) indicates the program is offered only at the West Campus in Leesport.

***Technical Academy Associates Degree Program with Reading Area Community College (RACC).
RACC articulation with Bloomsburg University BAS degree in Technical Leadership.**

To view the entire BCTC course catalog, which includes a detailed description of each program offered, visit the link below.

<http://www.berkscareer.com>

APPENDIX

ELECTIVES

Arts and Humanities

Additional English and Social Studies Offerings
Additional World Language Offerings
Fashion Design and Merchandising
Interior Design and the Home
Life 101
Fine Arts Studio
Fundamentals of Art
Studio Art History
Contemporary Art
Ceramics Studio
Graphic Design (for print)
Parenting and Child Development
Any music offering

Business Technology

Entrepreneurship and E-Commerce
Introduction to Business
International Business
Personal Finance
Business Law
Marketing
Sports and Entertainment Marketing
Accounting I
Accounting II
Cooperative Business Education

Engineering/Industrial

Additional Math and Science offerings
Technical and Computer Drawing I and II
Computer Graphics I and II
Photography I, II, and III
Construction Systems and Production I and II
Metal Technology I, II and III
Electricity/Electronics
Residential System Maintenance
Honors Introduction to Engineering Design
Honors Principles of Engineering
Honors Civil Engineering and Architecture
Honors Engineering Design and Development

Health/Science/Human Services

Additional Science offerings
Foods and Nutrition
Sports Nutrition

NCAA CLEARINGHOUSE INFORMATION FOR STUDENT – ATHLETES

If students are planning to enroll in a Division I or Division II college and wish to participate in athletics, they must be certified by the NCAA Initial-Eligibility Clearinghouse. Student-athletes should inform their guidance counselors of their college athletic plans and should be aware of NCAA requirements starting with eighth grade courses.

Divisions I and II Initial-Eligibility Requirements

Core Courses

- NCAA Division I requires 16 core courses. NCAA Division II currently requires 16 core courses. See the charts below.
- NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math, or natural/physical science that meet the distribution requirements below). These 10 courses become "locked in" at the seventh semester and cannot be retaken for grade improvement.
- Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements.

Test Scores

- Division I uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- Division II requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- Division I students enrolling full time before August 1, 2016, should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- Division I GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.000 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).

- Division I GPA required to be eligible for competition on or after August 1, 2016, is 2.300 (corresponding test-score requirements are listed on Sliding Scale B on Page No. 2 of this sheet).
- The Division II core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.
- Please note that STEM courses do not currently fulfill the NCAA requirements for core courses.

Division I 16 Core Courses	Division II 14 Core Courses	Division II 16 Core Courses (2013 and After)
4 years of English 3 years of mathematics (Algebra I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 1 year of additional English, mathematics or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)	3 years of English 2 years of mathematics (Algebra I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 2 years of additional English, mathematics or natural/physical science 2 years of social science 3 years of additional courses (from any area above, foreign language or comparative religion/philosophy)	3 years of English 2 years of mathematics (Algebra I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 3 years of additional English, mathematics or natural/physical science 2 years of social science 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Sliding Scale A		
Use for Division I prior to August 1, 2016		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT
	Verbal and Math ONLY	
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

Sliding Scale B			
Use for Division I beginning August 1, 2016			
NCAA DIVISION I SLIDING SCALE			
GPA	GPA	SAT	ACT
for Aid and Practice	for Competition		Sum
3.550	4.000	400	37
3.525	3.975	410	38
3.500	3.950	420	39
3.475	3.925	430	40
3.450	3.900	440	41
3.425	3.875	450	41
3.400	3.850	460	42
3.375	3.825	470	42
3.350	3.800	480	43
3.325	3.775	490	44
3.300	3.750	500	44
3.275	3.725	510	45
3.250	3.700	520	46
3.225	3.675	530	46
3.200	3.650	540	47
3.175	3.625	550	47
3.150	3.600	560	48
3.125	3.575	570	49
3.100	3.550	580	49
3.075	3.525	590	50
3.050	3.500	600	50
3.025	3.475	610	51
3.000	3.450	620	52
2.975	3.425	630	52
2.950	3.400	640	53
2.925	3.375	650	53
2.900	3.350	660	54
2.875	3.325	670	55
2.850	3.300	680	56
2.825	3.275	690	56
2.800	3.250	700	57
2.775	3.225	710	58
2.750	3.200	720	59
2.725	3.175	730	60
2.700	3.150	740	61
2.675	3.125	750	61
2.650	3.100	760	62
2.625	3.075	770	63
2.600	3.050	780	64
2.575	3.025	790	65
2.550	3.000	800	66
2.525	2.975	810	67
2.500	2.950	820	68
2.475	2.925	830	69
2.450	2.900	840	70
2.425	2.875	850	70
2.400	2.850	860	71
2.375	2.825	870	72
2.350	2.800	880	73
2.325	2.775	890	74
2.300	2.750	900	75
2.275	2.725	910	76
2.250	2.700	920	77
2.225	2.675	930	78
2.200	2.650	940	79
2.175	2.625	950	80
2.150	2.600	960	81
2.125	2.575	970	82
2.100	2.550	980	83
2.075	2.525	990	84
2.050	2.500	1000	85
2.025	2.475	1010	86
2.000	2.450	1020	86
	2.425	1030	87
	2.400	1040	88
	2.375	1050	89
	2.350	1060	90
	2.325	1070	91
	2.300	1080	

- ✓ Apply for certification the summer prior to the senior year. The NCAA Clearinghouse will issue a preliminary certification report after submission of all materials.
- ✓ Graduate from high school. The NCAA Clearinghouse will review the student's final transcript to make a final certification decision.

NCAA Course Listing

English	Social Studies	Mathematics
American Literature	20 th Century American Cultures	Algebra I
American Literature/H	20 th Century American Cultures/H	Algebra 2
British Literature	AP Economics	AP Statistics
Creative Expressions	AP U. S. Government & Politics	Calculus/Accel
English 10	Behavioral Studies	Calculus/H
English 10/H	Civics	Geometry
English 11	Contemporary Issues	Geometry/H
English 9	Economics/H	Probability & Statistics/H
English 9/H	Honors Civics	Trigonometry/Pre-Calculus
Language & Composition/AP	Honors Modern World History	
Literature & Composition/AP	Modern World History	Additional Core Courses
World Literature/H	Psychology/AP	AP French V
	Psychology/H	French I
Science	U. S. History/AP	French II
Accelerated Chemistry	Military History	French III
Accelerated Physics		French IV/H
Astronomy		German I
Biology		German II
Biology/Accel		German III
Biology/AP/H		German IV/H
Chemistry		German V/H
Chemistry/AP		Latin I
Earth & Space Science		Latin II
Earth & Space Science/H		Latin III
Environmental Science		Latin IV/H
Forensics		Spanish I
Human Physiology I/H		Spanish II
Human Physiology II/H		Spanish III
Oceanography		Spanish IV/H
Physical Science		Spanish V/H
Physics		
Physics/AP		

INDEPENDENT STUDY GUIDELINES

Students should be able to find challenge in a variety of regular department offerings. Students may elect to take college courses at Exeter Township High School in the dual enrollment program or may take college courses off campus with district permission. Independent study should be more the exception than the rule and should be for areas that are not addressed in Exeter's curriculum. Independent study is also appropriate when a student is particularly talented in a certain area and wants an intensive educational experience.

Independent study requires:

- A student willing to do 120 hours of independent work either after school hours, during a class period in the library, or in a classroom assigned by the teacher.
- Department approval.
- An Exeter teacher willing to write a course of study and meet with the student at least once every two weeks to assess progress, assign new tasks, and certify the student has sufficiently completed the amount of work necessary to earn credit.
- A course of study approved by the administration two weeks prior to the start of the semester.

Procedures:

- After meeting with his/her guidance counselor to discuss the wide variety of senior high course offerings and to explore dual enrollment or other college course avenues, a student may secure an independent study form.
- The student contacts a teacher who agrees to meet with the student at least once every two weeks over the course of a semester or school year to check on progress; assign readings, projects, or other assignments; and evaluate the student's work.
- Prior to the start of the semester in which the student wishes independent study, the principal, teacher, parents and student must sign an independent study form.
- The student may meet with the faculty member before school, after school, or during the school day, but not during the time that the teacher is teaching other courses or planning, unless suggested by the faculty member. The teacher is not committed to teach the course but allows the student to progress through assignments.
- The department has sole discretion to approve the number of students qualifying for independent study; one teacher can supervise only one area of independent study per semester.
- The teacher must certify that the student has made sufficient progress to receive credit for the course. If the teacher has concerns about the student's progress, he/she should document concerns to the principal and parents.
- Teachers should send the completed independent study form certifying that the student will receive credit for the independent study to the student's guidance counselor.
- The student will keep a portfolio of assignments, reading, and projects as part of the documentation of the independent study.

- The student will receive one credit for the independent study, and the completed course will officially appear on the student's transcript for college review. College-level independent study courses reserve the same weight as dual enrollment courses or college courses taken off campus.
- The assistant superintendent will serve as arbitrator in the event of difficulties.