



COURSE DESCRIPTION BOOK

ST. DOMINIC HIGH SCHOOL | 2022-23



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REGISTRATION PROCESS

The registration process is a key component of the student's educational experience. As students prepare for each academic year, we expect them to take an active role in selecting their courses. Our College Guidance Coordinators meet with each student to review their individual 4-year plan. The College Guidance Coordinators facilitate building and implementing the 4-year plan by helping students select courses that meet their educational needs based on their gifts and talents.

To graduate from St. Dominic High School a student must have earned 28 credits. Many of those 28 credits are met by taking the courses required by each department. Students have the opportunity to take elective courses to complete the remainder of the credits required to graduate. These courses give students the opportunity to pursue areas of study that interest them. Students may take as many as 8 credits per year or as few as 7 credits if they have a study hall scheduled for both semesters. Failure to complete 7 credits a year requires that the course be made up in summer school or in an approved correspondence course.

Students should seek the advice of parents, College Guidance Coordinators, and teachers to ensure that course selections meet the requirements for future educational plans. Contact should be made with colleges, universities or technical schools to determine the necessary admission requirements. It is important that students know their course selections should be made with future academic and career goals in mind. Consult each course description for any prerequisites for the course.

Below is a timeline for the registration process:

- For incoming students (current 8th graders), they will receive initial course placement with their acceptance packet in late January/early February. Their registration date is Wednesday, February 23rd.
- Beginning the first week of February, College Guidance Coordinators will meet individually with each current St. Dominic High School student to go over their four year course plan and review possible courses for next year. Juniors will meet individually with their College Guidance Coordinator during the month of January as they plan for their senior year and receive their registration form the first week of February.
- February 10th Parent signed registration forms are due to the Religion teachers.
- February 16th and 17th College Guidance Coordinators will assist students with the online course registration process.
- February 25th the \$300 registration fee is due and should be paid online.
- February 18th is the make-up day for any student to complete the online registration process.

College Admissions Requirements

Students are encouraged to take as much college preparatory curriculum as possible in order to maximize their post-secondary success. College preparatory curriculum can be helpful in preparing students for college entrance exams (i.e. ACT) and the workload of a college semester. Listed below are the admissions requirements for various universities. Keep in mind that these are a guideline and that other factors, such as ACT scores and class rank, can also factor into admissions decisions.

University of Missouri (Mizzou)

Math - 4 years
English - 4 years
Science - 3 years
Social Science - 3 years
Foreign Language - 2 years
Fine Arts - 1 year

University of Central Missouri

Math - 4 years
English - 4 years
Science - 3 years
Social Science - 3 years
Fine Arts - 1 year

Truman State University

Math - 3 years
*4 years *strongly* recommended
English - 4 years
Science - 3 years
Social Science - 3 years
Foreign Language - 2 years
Fine Arts - 1 year

St. Louis University

Math - 4 years
English - 4 years
Science - 3 years
Social Science - 3 years
Foreign Language - 3 years
Electives - 3 years

Coordinating Board for Higher Education (CBHE) Recommended College Preparatory High School Curriculum

English/Language Arts - 4 units
Social Studies - 3 units
Mathematics - 4 units*
Science - 3 units
Fine Arts - 1 unit
Additional Coursework - 3 units **
Electives - 6 units ***

*At least **one** mathematics course should be taken each year. It is particularly important that students take a mathematics course in grade 12.

**Missouri public high school students are required by the State Board of Education to complete units in practical arts (1), physical education (1), health education (1/2), and personal finance (1/2)

***All students should complete at least 3 total elective units in foreign language and/or other courses within high school core content areas defined below. Two units of a single foreign language are strongly recommended.

THE MISSOURI SEAL OF BILITERACY

The Missouri Seal of Biliteracy is an award to recognize a student who has attained proficiency in English and one or more other world language (s) before high school graduation. This recognition of attaining biliteracy becomes a part of the high school transcript for these students and serves to certify attainment of biliteracy for the community, employers and universities.

By meeting the requirements listed below, students can earn a Seal of Biliteracy on their transcript and potentially earn 12 college credits through some universities.

Requirements for earning the Seal of Biliteracy

- Senior standing with 4 years of English.
- Students will write an essay describing how proficiency in both languages will help the community. This essay will act as the “entrance ticket” to take the tests for Seal of Biliteracy.
- Students have earned a minimum 18 on English portion of the ACT (for Seal of Biliteracy). Students have earned a minimum 21 on English portion of the ACT (for Distinguished Seal of Biliteracy). Students will earn a minimum score of 9 on the essay.
- Students will pay \$20 to St Dominic High School.
- After the first four steps are completed, students will take the STAMP4S test. It consists of 4 domains: Reading, Writing, Listening, and Speaking.
- Students must receive “Intermediate Mid” in each domain to receive the SoBL. Students must receive an “Advanced Low” in each domain to receive the Distinguished SoBL.

Information will be shared with Foreign Language teachers in late February/early March and qualified students may sign up.



FIND YOUR FUTURE IN THESE CAREER PATHS

St. Dominic High School - Guidance Office

Foundation Knowledge & Skills Academic & Technical Skills

TEAMWORK • CAREER DEVELOPMENT • INFORMATION & TECHNOLOGY APPLICATION • PROBLEM SOLVING
CRITICAL THINKING • EMPLOYABILITY • ETHICS • SYSTEMS • SAFETY, HEALTH & ENVIRONMENT
LEGAL RESPONSIBILITIES • COMMUNICATION

ARTS & COMMUNICATION (Creative Path)

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

AUDIO & VIDEO TECHNOLOGY & FILM
PRINTING TECHNOLOGY
PERFORMING ARTS
JOURNALISM & BROADCASTING
TELECOMMUNICATIONS
VISUAL ARTS

RELIGIOUS SERVICES (Faith Path)

VOCATIONS

PRIESTHOOD
RELIGIOUS LIFE

PARISH MINISTRY

YOUTH MINISTER
MUSIC MINISTER
PASTORAL ASSOCIATE
DIRECTOR OF EVANGELIZATION
LITURGY DIRECTOR

SCHOOL MINISTRY

DIRECTOR OF RELIGIOUS EDUCATION
CAMPUS MINISTER
RELIGION TEACHER

CHARITABLE WORK

SOCIAL JUSTICE
PROLIFE MINISTRY
CATHOLIC CHARITIES
CATHOLIC PUBLISHING

BUSINESS, MANAGEMENT & TECHNOLOGY (Business Path)

FINANCE

ACCOUNTING
BUSINESS FINANCIAL MANAGEMENT
FINANCIAL & INVESTMENT PLANNING
BANKING SERVICES
INSURANCE SERVICES

INFORMATION TECHNOLOGY

NETWORK SYSTEMS
INFORMATION SUPPORT & SERVICES
INTERACTIVE MEDIA
PROGRAMMING & SOFTWARE DEVELOPMENT

MANAGEMENT & ADMINISTRATION

MANAGEMENT
FINANCIAL MANAGEMENT
HUMAN RESOURCES
BUSINESS ANALYSIS
ADMINISTRATIVE INFORMATION

MARKETING, SALES & SERVICES

ENTREPRENEURSHIP
SALES & MARKETING
BUYING &
MERCHANDISING
E-MARKETING
MARKETING COMMUNICATIONS & PROMOTION
MARKETING INFORMATION & RESEARCH
DISTRIBUTION & LOGISTICS

HEALTH SERVICES (Health Path)

HEALTH SCIENCE

- BIOTECHNOLOGY RESEARCH & DEVELOPMENT
- THERAPEUTIC SERVICES
- DIAGNOSTICS SERVICES
- HEALTH INFORMATION
- SUPPORT SERVICES

HUMAN SERVICES (Helping Path)

HUMAN SERVICES

- EARLY CHILDHOOD DEVELOPMENT
- COUNSELING & MENTAL HEALTH SERVICES
- FAMILY & COMMUNITY SERVICES
- PERSONAL CARE SERVICES
- CONSUMER SERVICES

HOSPITALITY & TOURISM

- RESTAURANT & FOOD & BEVERAGE SERVICES
- RECREATION & ATTRACTIONS
- TRAVEL & TOURISM
- LODGING

EDUCATION & TRAINING

- ADMINISTRATION & ADMINISTRATIVE SUPPORT
- PROFESSIONAL SUPPORT SERVICES
- TEACHING & TRAINING

GOVERNMENT & PUBLIC ADMINISTRATION

- PUBLIC MANAGEMENT & ADMIN.
- GOVERNANCE
- NATIONAL SECURITY
- FOREIGN SERVICE
- PLANNING
- REVENUE & TAXATION
- REGULATION

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

- CORRECTION SERVICES
- EMERGENCY & FIRE MANAGEMENT
- SECURITY & PROTECTIVE SERVICES
- LAW ENFORCEMENT
- LEGAL SERVICES

INDUSTRIAL & ENGINEERING TECHNOLOGY (Building & Fixing Path)

STEM

- SCIENCE
- MATH
- ENGINEERING
- TECHNOLOGY

TRANSPORTATION, DISTRIBUTION & LOGISTICS

- TRANSPORTATION OPERATIONS
- LOGISTICS PLANNING & MANAGEMENT
- WAREHOUSE OPERATIONS
- DISTRIBUTION OPERATIONS
- FACILITY & EQUIPMENT MAINTENANCE
- TRANSPORTATION SYSTEMS
- INFRASTRUCTURE PLANNING
- TRANSPORTATION REGULATIONS
- HEALTH & SAFETY MANAGEMENT
- SALES & SERVICES

ARCHITECTURE & CONSTRUCTION

- DESIGN & PRE-CONSTRUCTION
- CONSTRUCTION
- MAINTENANCE & OPERATION
- PROJECT MANAGEMENT

MANUFACTURING

- PRODUCTION
- PRODUCTION PROCESS DEVELOPMENT
- MAINTENANCE, INSTALLATION & REPAIR
- QUALITY ASSURANCE
- LOGISTICS & INVENTORY CONTROL

NATURAL RESOURCES & AGRICULTURE (Nature Path)

AGRICULTURE & NATURAL RESOURCES

- FOOD PRODUCTION
- FOOD PROCESSING SYSTEMS
- PLANT SYSTEMS
- ANIMAL SYSTEMS
- POWER, STRUCTURE & TECHNICAL SYSTEMS
- NATURAL RESOURCES
- ENVIRONMENTAL SYSTEMS
- AGRIBUSINESS SYSTEMS

STUDENT ELIGIBILITY REQUIREMENTS FOR ALL INTERSCHOLASTIC ACTIVITIES

In order for a student to participate in activities, he/she must fulfill all the regulations, and requirements set forth by the M.S.H.S.A.A. and the St Dominic High School.

M.S.H.S.A.A ELIGIBILITY STANDARDS

1. Student must be enrolled in courses offering 3.0 units and must earn 3.0 units the preceding semester within the regular school day. Summer school credits may apply to state eligibility standards provided the course is necessary for graduation or promotion and is placed on the school transcript. No more than one credit in summer school shall be counted towards eligibility.
2. Students enrolled in Missouri Virtual Schools Program must attend the district high school for courses offering not less than one unit of credit and be enrolled in a minimum of one and one half units of virtual school credit for the current semester.
3. Student must not have reached 19th birthday prior to July 1st preceding the opening of the school year. A student is ineligible after the class in which they entered 9th grade has graduated.
4. Student is ineligible for varsity competition for one calendar year if they transfer to St Dominic from either a public or parochial high school without a corresponding change of residence of parent or guardian. (There is a possibility of a waiver when transferring from private to public.)
5. Student must be a good school citizen. Behavior unbecoming a participant could result in the principal revoking the privilege of a student to participate in an activity temporarily or permanently. A student cannot commit an unsportsmanlike act while attending or participating in a high school activity.
6. Student must have satisfactorily passed the physical examination. Exams can be taken after February 1st of the preceding year and before school.
7. Student must have a signed parent permission form to participate in interscholastic activities.
8. All 9th grade students who have been promoted from the 8th grade are automatically eligible during their first semester of high school, but must meet district/state requirements their second semester.
9. Student cannot have previously graduated from a four year high school.
10. Student cannot have played sports under a false name.
11. Student must have entered school within the first 11 days of the semester.

NCAA Eligibility

Classes at St Dominic are aligned to prepare students for NCAA athletics. Courses that are not aligned with NCAA eligibility requirements are noted as “not NCAA approved.”

Students are encouraged to make a profile with the NCAA clearinghouse (eligibilitycenter.org) if they intend to participate in collegiate athletics. Transcripts are uploaded by the College Guidance Office to NCAA clearinghouse. ACT scores must be submitted directly to NCAA by student request using code 9999.

Division I (2.3 Core GPA Requirement)

English - 4 years

Math - 3 years

Natural/Physical Sciences - 2 years

Additional English, Math, or natural/physical science - 1 year

Social Science - 2 years

Additional Academic Courses - 4 years

Division II (2.2 Core GPA Requirement)

English - 3 years

Math - 2 years

Natural/Physical Sciences - 2 years

Additional English, Math, or natural/physical science - 1 year

Social Science - 2 years

Additional Academic Courses - 4 years

Important NCAA Terms

Full Qualifier: A college-bound student-athlete may receive athletics aid (scholarship), practice and compete in the first year of enrollment at the Division I college or university.

Academic Redshirt: A college-bound student-athlete may receive athletics aid (scholarship) in the first year of enrollment and may practice in the first regular academic term (semester or quarter) but may NOT compete in the first year of enrollment. After the first term is complete, the college-bound student-athlete must be academically successful at his/her college or university to continue to practice for the rest of the year.

Nonqualifier: A college-bound student-athlete cannot receive athletics aid (scholarship), cannot practice and cannot compete in the first year of enrollment.

NCAA Division I Requirements

Full Qualifier must:

1. Complete 16 core courses (same distribution as in the past – [click here to view](#));
 - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - o Seven of the 10 core courses must be English, math or science.
2. Have a minimum core-course GPA of 2.300;
 - Grades earned in the 10 required courses required before the senior year are “locked in” for purposes of GPA calculation.
 - o A repeat of one of the “locked in” courses will not be used to improve the GPA if taken after the seventh semester begins.
3. Meet the competition sliding scale requirement of GPA and ACT/SAT score (this is a new scale with increased GPA/test score requirements); and
4. Graduate from high school. New NCAA Division I Initial-Eligibility Standards

Academic Redshirt must:

1. Complete 16 core courses (same distribution as in the past – [click here to view](#));
2. Have a minimum core-course GPA of 2.000;
3. Meet the academic redshirt sliding scale requirements of GPA and ACT/SAT score; and
4. Graduate from high school.

Nonqualifier is a college-bound student-athlete who fails to meet the standards for a qualifier or for an academic redshirt.

For more information and a full Guide for the College Bound Student-Athlete, please visit:

http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/CBSA.pdf

Use for Division I beginning August 1, 2016 NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
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

Use for Division I beginning August 1, 2016 NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT Sum
2.750	720	59
2.725	730	60
2.700	740	61
2.675	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	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

Note: ACT Sum Represents Verbal and Math Only

GRADUATION REQUIREMENTS: A minimum of 28 credits are required to graduate from St. Dominic High School.

Religion - 4 credits	Science - 3 credits
English - 4 credits	Practical Art - 1 credit (including Personal Financial Management .5 credit)
Social Studies - 3 credits	Physical Education/Health - 1 credit
Mathematics - 3 credits	Fine Arts - 1 credit

The balance of the 28 credits may be electives.

In addition to academic requirements, students must maintain a satisfactory attendance and discipline record as defined by the school, meet all financial obligations to the school, complete one hundred hours of approved Christian service, and participate in the yearly prayer days and overnight retreat program. Students who do not meet these requirements will not graduate in May and may not participate in the graduation ceremony.

To prepare our students for college and career advancement in both existing and future career paths, all students beginning with the class of 2025 will be required to complete 0.5 credits of online coursework from a course catalog provided by SDHS during their senior year. More information on this requirement will be disseminated to those students and families as the date approaches.

COURSE PLACEMENT: Course placement is based on standardized test scores, previous grades, and the advice of the student's College Guidance Coordinator, and parental approval. No placement changes occur without consulting the teacher, student, parents, and guidance department; and with permission of the Principal. If it becomes necessary to remove a student from a course for reasons other than ability level, the Principal will be the final judge in this matter.

COURSE CHANGES: Students are encouraged to work closely with their parents, teachers and college guidance coordinators when planning their course selections for the following year. This combined effort should eliminate the need to make a course change later. Once students have listed preferences, school resources are directed toward the choices made. Little flexibility exists after that for course changes. No change will be made after the *first three sessions* of the class unless it is teacher/school initiated.

The only course changes granted will be due to:

- Scheduling error
- Inappropriate course level
- Graduation requirements
- Health consideration
- Teacher recommendation

DUAL CREDIT PROGRAMS: College credit is earned by successfully completing and paying the college or university for the credits of the courses listed below. Eligibility requirements are listed in the course description along with the respective university course number. Juniors and seniors should be aware that dual credit/AP classes have varying requirements and should work with their college guidance coordinators to sign up for appropriate coursework.

St Louis University	057 Social Justice	3
	393 Honors French 3	3
	394 Honors French 4	6
University Missouri/St. Louis	382 Honors Spanish 3	5
	383 Honors Spanish 4	5
	395 Honors Spanish 5	3
	162 Honors American Literature	6
	172 Honors British Literature	6
	243 Honors American Government	3
	224 Honors Big History	3
	267 Modern American History	3
	265 Modern European History	3
	272 United States Foreign Policy	3
	449 Honors Pre-Calculus	5
	462 Honors Calculus	5
	617 Honors Advanced Art	6
Truman State University	448 College Algebra	3
Missouri State University	739 Personal Finance Management	3
Drury University	971 Leadership	3

PLTW College Credit Options through Missouri S&T

Intro to Engineering Design & Principles of Engineering
 Aerospace Engineering
 Principles of Biomedical Sciences
 Human Body Systems (alternating years)
 Medical Interventions (alternating years)
 Biomedical Innovation

PLTW Student Opportunities: Students can earn college credit and scholarships from select post-secondary institutions. For more information, see <https://pltw.mst.edu/undergraduate-credit/>

Advanced Placement (AP) Test Options

Honors Physics 1
 Honors Physics 2
 Psychology AP
 Honors Chemistry 2
 Computer Science Principles
 Computer Science A

***Check with the college guidance office regarding course transferability. Courses are not guaranteed to transfer to all universities. College credit courses change annually based on college approval, enrollment, teacher certification requirements, etc.**

GRADE SCALE FOR THE 2022-2023 SCHOOL YEAR:

A	93-100 %	4.0
A-	90-92.99 %	3.7
B+	87-89.99 %	3.3
B	83-86.99 %	3.0
B-	80-82.99 %	2.7
C+	77-79.99 %	2.3
C	73-76.99 %	2.0
C-	70-72.99 %	1.7
D+	67-69.99 %	1.3
D	63-66.99 %	1.0
D-	60-62.99 %	0.7
F	0-59.99 %	0

COURSE WEIGHT: Some honors and college credit courses weigh more heavily when the grade point average is calculated. The weight of each course is on the first line of the description following the grade level of the course. The maximum weight is plus 0.5, which is added to the earned grade according to the SDHS grading scale.

ACADEMIC AWARDS: Academic certificates are awarded in May to all students who earn 3.70 on their cumulative weighted grade point average. Scholastic letters are awarded to second year recipients who earn a cumulative weighted G.P.A. of 3.70. In successive years, letter recipients earn pins. Medals are awarded in each department, as selected by the faculty, based on departmental criteria.

LATIN HONORS: At graduation, students are recognized based upon their cumulative weighted grade point average. Students eligible for Latin Honors must have attended St. Dominic High School for at least one full year. To earn Latin Honors a student must complete a number of semesters in advanced course work. Advanced course work is defined as a course that is weighted or is dual credit. The grade point average is calculated on coursework completed only at St. Dominic High School. **Honors will be awarded as follows:**

	Semesters of Advanced Coursework	Cum Laude Grade Point Average	Magna Cum Laude Grade Point Average	Summa Cum Laude Grade Point Average
Class of 2023	8	3.70-3.99	4.00-4.19	4.20 and above
Class of 2024	12	3.70-3.99	4.00-4.19	4.20 and above
Class of 2025-beyond	12	3.80-3.99	4.00-4.19	4.20 and above

St. Dominic High School Unofficial 4-Year Plan

AREA/CREDITS REQ.	Freshman	Sophomore	Junior	Senior Year
RELIGION (4.0)	Revelation	Paschal Mystery & Church Mission	Sacraments & Morality	Choose 1.0 from List of Options
ENGLISH (4.0)				
SOCIAL STUDIES (3.0)				
MATH (3.0, *4.0)				
SCIENCE (3.0)				
WORLD LANGUAGE (2.0)				
FINE ART (1.0)				
PRAC. ART (1.0)				*Personal Financial Management
PE (.5) and HEALTH (.5)				
Elective Courses/Credits				

Religion: Students are required to take 4 years of Religion courses (4.0 credits). For Freshmen-Juniors, there are specific required courses taken each year. Seniors choose 2 of the 5 offered courses in Religion to meet their final credit requirement.

English: Students are required to take 4 years of English courses (4.0 credits). For Freshmen-Juniors, there are specific required courses taken each year (Lit/Comp 1, Lit/Comp 2, and Lit/Comp 3 which is also called American Literature). As Seniors, students choose 1.0 credit from a variety of courses including a year long course or two semester long courses.

Social Studies: Students are required to take 3.0 credits of Social Studies, which includes a course in Government/Civics where the student must pass a U.S. Constitution Test and a Missouri Constitution Test. For the Class of 2024 and beyond, this will be completed their Junior year in American Government. Students will also complete a course in World History and U.S. History.

Math: Students are required to take 3.0 credits of Math for graduation, however, it is highly recommended for students to take Math all four years. Many 4-Year Universities as shown in the Course Description Book will require 4 years of Math. For many students, they choose to take two Math courses, both Geometry and Algebra 2, as a Sophomore so that they can take Honors Calculus as a Senior. This would be the only recommendation as a reason to take two math courses as a Sophomore. **Spring Placement Test is available for students who did NOT meet the standardized testing prerequisite for Honors and would still like to take an Honors Level Math (or Science that requires Honors Math).*

Science: Students are required to take 3.0 credits of Science for graduation. Students will take a level of Biology as a Freshman, and then depending on their Math Placement will either take Physical Science as a sophomore or Honors Chemistry as a Sophomore. Students who take Physical Science as a Sophomore will take Chemistry as a Junior. Many of the Science courses are tied to the student's Math Placement so please refer to the Course Description Book for those prerequisites.

World Language: It is strongly recommended that students take two credits of the same world language in consecutive years for most college admissions. Students will likely meet this recommendation in their Freshman and Sophomore year by taking Spanish those two years, or French those two years. Note: some universities such as SLU will require 3 years. Please discuss with your College Guidance Coordinator at time of registration..

Fine Arts: Students are required to complete 1.0 credit of Fine Arts (also referred to as Visual & Performing Arts) for graduation and to meet college admissions requirements. These courses include Art, Theater and Music courses.

Practical Arts: Students are required to complete 1.0 credit of Practical Arts. As part of that 1.0 credit, though, they must pass Personal Financial Management* which is a 0.5 credit course taken your Senior year at St. Dominic High School. Practical Art courses include not only Business, Journalism and Yearbook courses, but also Project Lead the Way courses in Computer Science and Engineering, as well as the Principles of Biomedical Sciences course.

Physical Education/Health: Students are required to take 0.5 Credit in Physical Education (Boys PE or Girls PE) and 0.5 Credit in Health. Both of these courses are usually taken Freshman year, but in some cases during a student's Sophomore year.

Electives/Remaining Credits: St. Dominic High School requires 28 credits to graduate. If you add up the graduation requirements above, it would come out to 22 credits. The other 6 credits would come from courses/areas of your choice. Those could be additional courses in any of these areas, sometimes called core electives such as Biomedical courses in Project Lead the Way, a fourth year Science such as Anatomy and Physiology or Honors Chemistry II, Yearbook as an English Elective, Psychology or Sociology courses for additional Social Studies electives, Apologetics in Religion, etc.

Study Halls: Study Halls do not count as a credit. However, because we offer 8 credits per year, students are able to take a Study Hall every semester of high school if they choose, and still meet the required 28 credits (7 credits per year x 4 years) for graduation. If a student did not take a Study Hall at any point in their four years at St. Dominic High School, they would graduate with 32 credits, 4.0 more credits than they need to meet our graduation requirement but with plenty of opportunities to obtain college credit with those additional credits.

ENGLISH FOUR YEAR EXAMPLES

College Prep	Literature/Comp 1	Lit/Comp 2	American Literature	1.0 Required as Senior from List of Options
Honors	Honors Lit/Comp 1	Honors Lit/Comp 2	Honors American Lit	1.0 Required as Senior from options, including Honors British Literature.
Students who may need more resources.	Grammar & Composition	Lit/Comp 2	American Literature	1.0 Requires as Senior from List of Options

SOCIAL STUDIES THREE YEAR REQUIREMENTS/EXAMPLES

Class of 2023 ONLY	Civics/Geography (<i>Constitution Tests Passed</i>)	World History or Honors Big History	American Civilization or Honors American Civilization.	<i>3.0 Requirement Met, Optional Choices Here.</i>
Class of 2024-present	U.S. History	World History or Honors Big History	American Government or Honors American Government + 0.5 Social Studies from list of Options (<i>Constitution Test Passed</i>)	<i>3.0 Requirement Met, Optional Choices Here.</i>

MATH FOUR YEAR EXAMPLES

Beginning in Algebra 1	Algebra 1	Geometry	Algebra 2	Recommended 4th Year in College Algebra, Prep College Algebra or Statistics.
Beginning in Honors Algebra 1	Honors Algebra 1	Honors Geometry/Trig	Honors Algebra 2/Trig	Recommended 4th Year in College Algebra or Honors Pre-Calculus
Beginning in Honors Geometry	Honors Geometry	Honors Algebra 2/Trig	Honors Pre-Calculus	Recommended 4th Year in Honors Calculus
How do I take Calculus as a Senior when starting in Algebra 1?	Algebra 1 or Honors Algebra 1	Honors Geometry/Trig AND Honors Algebra 2/Trig	Honors Pre-Calculus	Recommended 4th Year in Honors Calculus
For Students who may need additional Math Resources.	Algebra 1 & possible Math Lab (Lab counts as an Elective Credit) Science- Biology	Geometry & possible Math Lab (Lab counts as an Elective Credit) Science- Physical Sc.	Math Topics Science- Options of Earth, Environmental or Investigative Science.	Recommended 4th Year in Algebra 2 with possible Math Lab. Science- Chemistry
For Students who did not take and/or struggled in 8th Grade Algebra 1.	Algebra 1A & possible Math Lab. Science- Biology	Algebra 1B & possible Math Lab. Science- Physical Sc.	Math Topics Science- Options of Earth, Environmental or Investigative Science.	Recommended 4th Year in Algebra 2 or Geometry with possible Math Lab. Science- Options of Earth, Environmental or Investigative Science.

SCIENCE THREE YEAR REQUIREMENTS/EXAMPLES

SCIENCE <u>without</u> Honors Math	Biology or Honors Biology	Physical Science	Chemistry	3.0 Requirement Met, Optional Choices Here.
SCIENCE <u>with</u> Honors Math	Biology or Honors Biology	Honors Chemistry	Choice of Junior Level Science, including Honors Chemistry II, Honors Physics, Honors A & P	3.0 Requirement Met, Optional Choices Here.
How do I take Honors Physics II as a Senior?	Biology or Honors Biology	Honors Chemistry or Physical Science. Must have an A in regular Math & Science courses or A/B in Honors.	Honors Physics 1 and enrolled in Algebra 2 or higher Math.	Honors Physics II with Honors Calculus

RELIGIOUS STUDIES CURRICULUM
Graduation requirement – 4.0 Credits

Course Title	9	10	11	12
015 The Revelation of Jesus Christ in Scripture	Required			
023 The Mission of Jesus Christ (Paschal Mystery)		Required		
024 Jesus Christ's Mission in the Church (Church's Mission)		Required		
022 Sacraments as Privileged Encounters with Jesus Christ			Required	
033 Life in Jesus Christ (Moral Teachings)			Required	
040 Eccumenical and Interreligious Issues (World Religions)				X
043 Responding to the Call of Jesus Christ (Christian Vocations)				X
044 Living as a Disciple of Jesus Christ in Society (Social Justice)				X
057 Social Justice (college credit)*			X	X
052 History of the Catholic Church				X
051 Apologetics: How to Explain and Defend the Catholic Faith			X	X

015 The Revelation of Jesus Christ in Scripture/Who is Jesus (Revelations) – Grade 9 1.0 credit

This required course offers students a general knowledge and appreciation of the Sacred Scriptures. Through study of the Bible, students encounter the Living Word of God, Jesus Christ. Students learn how to read the Bible and become familiar with the major sections, books and people in Scripture. Emphasis is on the Gospels. Students are introduced to the Mystery of Jesus Christ, the Living Word of God. Emphasis is on Jesus Christ as the ultimate revelation from God. In learning about who Jesus Christ is, the students learn who He calls them to be.

023 The Mission of Jesus Christ (Paschal Mystery) – Grade 10 0.5 credit

The purpose of this required course is to help students understand all that God has done for us through His Son, Jesus Christ. Through this course of study, students learn that for all eternity God plans for us to share eternal happiness with Him through the redemption Christ won for us. Students learn that they share in this redemption only in and through Jesus Christ. They are introduced to what it means to be a disciple of Christ and what life as a disciple entails.

024 Jesus Christ's Mission in the Church (Church's Mission) – Grade 10 0.5 credit

The purpose of this required course is to help the students understand that in and through the Church, they encounter the living Jesus Christ. They are introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students learn not so much about events in the life of the Church but about the sacred nature of the Church.

022 Sacraments as Privileged Encounters with Jesus Christ – Grade 11 0.5 credit

The purpose of this required course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments and especially through the Eucharist. Students examine each of the sacraments in detail to learn how they may encounter Christ throughout life.

033 Life in Jesus Christ (Moral Teachings) – Grade 11

0.5 credit

The purpose of this required course is to help students understand that it is only through Christ that they can fully live out God's plan for their lives. Students learn the moral concepts and precepts that govern the lives of Christ's disciples. The study of morality begins with the Sacred Scriptures and the moral teachings of Jesus Christ.

Seniors are required to enroll in TWO of these five semester-based religion courses:**040 Eccumenical and Interreligious Issues (World Religions) – Grade 12**

0.5 credit

The purpose of this course is to help students understand that manner in which the Catholic Church relates to non-Catholic Christians as well as other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith.

043 Responding to the Call of Jesus Christ (Christian Vocations) – Grade 12

0.5 credit

The purpose of this course is to help students understand the vocations of life: how Christ calls us to live. In this course, students learn how all vocations are similar and how they differ. This course is structured around married life, single life, priestly life, and consecrated life. Students learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

044 Living as a Disciple of Jesus Christ in Society (Social Justice) – Grades 12

0.5 credit

This course introduces students to the Church's social justice teaching. In this course, students learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Social justice is presented as the Christian's personal response to societal values that may be contrary to Gospel values.

057 Social Justice*– Grades 11, 12; college credit, plus 0.5 weight

0.5 credit

This course introduces students to the Church's social justice teaching. In this course, students learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Social justice is presented as the Christian's personal response to societal values that may be contrary to Gospel values. *This advanced college credit course satisfies the requirements for St. Louis University's THEO 2515 Social Justice.* Prerequisite: 90th percentile in English and Reading on the most recent standardized testing and a 3.0 GPA. Payment is made directly to the university.

052 History of the Catholic Church - Grade 12

0.5 credit

The purpose of this course is to supply the students with a general knowledge of the Church's history from apostolic times to the present. Students learn that Christ founded the Church through the Apostles and is sustained through the Holy Spirit. In this course, students learn about the Church's 2,000-year history and how the Church is governed by the successors of the Apostles. The course looks at how the history of the world ties to the history of the Catholic Church.

The following courses are electives, which do not replace required Religion courses.

051 Apologetics: How to Explain and Defend the Catholic Faith – Grades 11, 12

0.5 credit

This course allows students to understand how to defend the Catholic faith. In this course, students learn how to give a reasonable explanation and defense of the teachings of the Church in light of contemporary society's misunderstandings and objections. Using Scripture, Tradition, Church history, and philosophy, students learn how to effectively respond to the intellectual challenges of today's world.

ENGLISH LANGUAGE ARTS CURRICULUM
Graduation requirement – 4.0 Credits

Course Title	9	10	11	12
110 Grammar and Composition	X			
112 Literature and Composition 1	X			
113 Honors Literature and Composition 1*	X			
122 Literature and Composition 2		X		
123 Honors Literature and Composition 2*		X		
135 American Literature and Composition			X	
162 Honors American Literature and Composition*			X	
154 World Literature				X
155 Science Fiction				X
156 21 st Century Novels				X
157 Pop Culture Literature				X
163 Speech		X	X	X
164 Advanced Speech			X	X
172 Honors British Literature and Composition*				X
148 Creative Writing			X	X
159 Film Studies			X	X
900 Yearbook		X	X	X
901 Journalism		X	X	X
903 Yearbook II			X	X
904 Journalism II			X	X
906 Yearbook III				X
905 Journalism III				X
907 Broadcasting			X	X

110 Grammar and Composition – Grade 9

1 credit

In this year-long course, students will study a variety of literary types using a thematic approach, identify and clarify literary devices including plot structure, character, and figurative language, compose well-organized paragraphs, utilize grade-level vocabulary, identify textual evidence to support findings, compose formal writing using correct Modern Language Association (MLA) documentation, and use effective oral communication as both an audience member and presenter. Also included is a review of basic reading, writing, speaking, and listening skills. Teaching methods and materials will be adjusted to those students who have had difficulty in reading comprehension and written communication.

112 Literature and Composition 1 – Grade 9

1 credit

This year-long course helps the student understand and appreciate various literary forms, such as the novel, short story, poetry, nonfiction, and drama. This course covers the following areas of the English curriculum: vocabulary development, grammar, and composition with an emphasis on writing five paragraph essays. Essay writing is focused on literary analysis, comparison-and-contrast, and test essays. Students are introduced to the research process, MLA formatting, and citations.

113 Honors Literature and Composition 1* – Grade 9, plus 0.5 weight

1 credit

This year-long course requires exceptional students with advanced reading proficiency to utilize critical thinking skills to read, examine, and analyze various subgenres of literature and informative texts by providing textual evidence to support connections among the literary elements and devices. Students engage in the writing process to compose a variety of essays for multiple audiences and purposes including persuasive, comparison-and-contrast, problem-and-solution, and literary analysis. Students craft a formal research paper after the study and implementation of the research process, focusing on the evaluation and utilization of reliable sources, MLA format, and documentation skills. Students use spoken, written, and visual language to accomplish their own purposes while improving grammar and vocabulary skills through frequent intensive reading and writing assignments. Prerequisite: Score in the 90th percentile in Reading and ELA on Iowa Assessments (or equivalent standardized test) and an A/B in 8th grade Reading and English.

122 Literature and Composition 2 – Grade 10

1 credit

This year-long course provides instruction in composition, grammar and literature. Students will read a wide range of print and non-print texts from various historical periods and today including multiple genres so as to respond to the needs and demands of society, the workplace, and for one's own personal fulfillment. The course will also encourage critical thinking and analysis through a wide range of strategies used to comprehend, interpret, and evaluate texts. In addition, students will continue their development in writing using multiple strategies and different writing process elements to communicate with different audiences for a variety of purposes. The research process will be thoroughly examined as students conduct research on issues and interests by generating ideas, questions and by posing problems. They will gather, evaluate, and synthesize data from a variety of technological and informational resources (e.g. libraries, databases, computer networks, video, artifacts, and people) to communicate their discoveries. Presentations, using a variety of digital media, and class discussion round out the student's ability to communicate their purpose to the appropriate audience.

123 Honors Literature and Composition 2* – Grade 10, plus 0.5 weight

1 credit

This year-long course provides instruction in composition, grammar and literature. Students will read a wide range of print and non-print texts from various historical periods and today including multiple genres so as to respond to the needs and demands of society, the workplace, and for one's own personal fulfillment. The course will also encourage critical thinking and analysis through a wide range of strategies used to comprehend, interpret, and evaluate texts. In addition, students will continue their development in writing

using multiple strategies and different writing process elements to communicate with different audiences for a variety of purposes. The research process will be thoroughly examined as students conduct research on issues and interests by generating ideas, questions and by posing problems. They will gather, evaluate, and synthesize data from a variety of technological and informational resources (e.g. libraries, databases, computer networks, video, artifacts, and people) to communicate their discoveries. Presentations, using a variety of digital media, and class discussion round out the student's ability to communicate their purpose to the appropriate audience. In addition, the honors class offers students an accelerated pace and greater challenge in their writing assignments. The literature covered will be similar to that of 122 but will also include a great deal of supplemental reading and will be discussed in greater depth while emphasizing high levels of analytical skills. Prerequisite: 90th percentile on the most recent standardized testing in English and Reading and an A in 112 or an A/B in 113.

135 American Literature and Composition – Grade 11

1 credit

This year-long course provides a chronological approach to American literature and is designed to help the student examine and analyze various subgenres of American literature and informative texts. The course stresses reading comprehension through close reading and analysis of an author's purpose, character motivation, and symbolism in texts. The student uses critical thinking skills to synthesize themes and establish commonalities across multiple works while providing textual evidence in support of findings. The writing process, with special emphasis on thesis based essays and college application essays, focuses heavily on the craft and editing of writing. Students evaluate data and library resource materials to prepare an argumentative research paper using correct MLA documentation.

162 Honors American Literature and Composition* – Grade 11, college credit, plus 0.5 weight

1 credit

This year-long course requires advanced students to examine and analyze a variety of American literary types and subgenres, including poetry, drama, fiction, and nonfiction. The course stresses reading comprehension and analysis of an author's purpose, character motivation, and symbolism in texts. The students use critical thinking skills to synthesize themes and establish commonalities across multiple works while providing textual and researched evidence in support of findings. Students will build upon their existing writing skills and develop the techniques and styles necessary to approach college writing assignments with competence and confidence. Special focus will be put upon the evaluation of data and resource materials to enhance student arguments in their writing. Students will utilize the writing process, with a strong emphasis on editing and revision, to compose numerous essays for a variety of purposes. Students have the option to take this advanced course for college credit. Prerequisite: 90th percentile in English and Reading on the most recent standardized testing, an A in 122 or an A/B in 123.

154 World Literature – Grade 12

0.5 credit

This semester-long course is designed to expand the literary and cultural awareness of students by expanding their literary horizons with literature from parts of the world less commonly studied. Students will be assigned two novels as well as analyze smaller examples of world literature from an array of authors. Literary analysis, writing responses, collaborative class activities, and a culminating group teaching project will require students to think critically and professionally. MLA formatting and formal writing practices are expected in this course.

155 Science Fiction – Grade 12

0.5 credit

This semester-long course asks students to define, interpret, and analyze the literary and structural elements specific to the science fiction genre. In this course students will study influential works both classical and modern utilizing novels, short stories, television and film, as well as analysis of non-fiction materials related to

the overall genre of science fiction. Through formal and informal writing, presentations, tests/quizzes, and projects students will expand their thinking about science in literature and its connection to humanity, social structures, and its role in our past and future.

156 21st Century Novels – Grade 12

0.5 credit

This semester course asks students to engage with contemporary novels to recognize and understand the relationships between these novels to current culture. The class will also emphasize an analysis of a contemporary interpretation of different periods. In addition, attention to writing styles and literary techniques is highlighted. Students read specific novels written in the 21st Century. Students will write multiple essays. Students will also have the opportunity to work through the revision process.

157 Pop Culture Literature- Grade 12

0.5 credit

This course will look at music, film, television, and print as genres of popular culture and how each impacts our world today. The student will study what is meant by the words “popular culture” and develop their own ideas concerning how it affects our society in key areas such as race, religion, age, gender, and class. As students analyze music, film, television, and print as avenues to deliver mass ideas, they will examine the role pop culture plays in their own lives and pop culture’s influence on modern literature. Students will critically think and write about the social, economic, and political ramifications of pop culture on American society as well as analyze and discuss how ideas, values and beliefs are reflected within pop culture. Students will write essays and complete several project-based assignments. Students will also have the opportunity to work through the revision process.

172 Honors British Literature* – Grade 12, college credit, plus 0.5 weight

1 credit

This year-long course requires advanced students to examine and analyze British literature from various genres and time periods. The course stresses reading comprehension and analysis of theme, rhetoric, conflict, and literary devices in texts. The students read closely and examine literature through various theoretical or cultural lenses to synthesize themes and establish commonalities across multiple works while utilizing rhetorical techniques and providing textual and researched evidence in literary analyses. Students refine and enhance written and oral communication style and techniques for presentation of ideas to various audiences through the use of formal academic language. Ongoing components of the course include writing projects, presentations, and class discussions. Students have the option to take this advanced course for college credit. Prerequisite: 90th percentile in English and Reading on the most recent standardized testing, an A in 135 or A/B in 162.

163 Speech – Grades 10, 11, 12

.5 credit

Speech is a semester-long course, providing a basic study of verbal and nonverbal communication. It is a performance class in which students develop and present a variety of public speaking events. This course develops confidence and competency skills in communication through formal speeches and presentations. Students will research and prepare independent speeches, as well as collaborate with other students for formal group presentations and discussions. Students will learn and practice verbal and non-verbal skills as key components of public speaking. Research and organizational skills will be core elements of this course.

164 Advanced Speech – Grades 11, 12

.5 credit

Advanced speech is a semester-long performance course that builds upon the nonverbal, written and oral communication skills taught in Speech. Students will research and write manuscripts, outlines, and debates for presentation. Students will study and practice skills associated with impromptu speaking, extemporaneous

speaking, original oratory, mass communication, the art of rhetoric, debate, and real-world communication skills. Prerequisite: Successful completion of 163 Speech.

The following courses are electives, which do not replace required English courses.

148 Creative Writing – Grades 11, 12

0.5 credit

This elective course explores all facets of the writing process from developing awareness to the creation and revision of poetry and short stories. The course is for those who are serious about writing, who enjoy the process of writing, and who wish to sharpen their powers of observation, explore their own experiences, and advance their writing skills and style.

159 Film Studies – Grades 11, 12

0.5 credit

This semester elective uses film in order to develop skills such as comprehension, interpretation, analysis, and communication. Most of the assignments will take the form of short essay responses focusing on the material viewed in class. There will be essays completed throughout the semester. The class will focus on building an understanding of various techniques, terms, and ideas specific to film as a medium.

The following electives can count toward the Practical Art requirement:

900 Yearbook – Grades 10, 11, 12

1 credit

This class is for the production staff of the yearbook. Students learn basic graphic design for page layout development, copy writing including captions and headlines. Students learn basic journalism skills such as interviewing, developing angles, and basic photography. Learning to use computer design techniques is an integral part of this course. Students need to be aware that this is a co-curricular class that will require after-school hours to complete deadlines satisfactorily. Prerequisite: application, teacher recommendations or a writing sample approved by the instructor.

901 Journalism – Grades 10, 11, 12

1 credit

The journalism course introduces students to all areas of journalism: interviewing, reporting, blogging, design, layout, graphics and photography. Students will become familiar with multimedia tools and gain the skills to become a writer for today's digitally based media. Students will learn to adhere to ethical values while at the same time refine and implement thinking, writing, and critiquing skills. All of this will culminate in the publication of an online school newspaper.

903 Yearbook II –Grade 11, 12

1 credit

This is a year-long course that further expands and refines the course objectives outlined in Yearbook I. Additionally, students will improve their proficiency in desktop publishing, incorporate advanced design principles and continue to learn and utilize emerging technologies in yearbook design, style, and publication. This course is designed for highly-motivated students who are interested in assuming increased responsibility, developing decision-making skills and providing leadership in the overall process of yearbook production. Students may have the opportunity to hold editorial staff positions. Students need to be aware that this is a co-curricular class that will require after-school hours to complete deadlines satisfactorily. Prerequisite: Yearbook I and teacher approval.

904 Journalism II -Grades 11, 12

1 credit

In addition to enhancing their skills as reporters, students will further their knowledge of layout, design, photography and broadcasting. Students will continue to develop a more sophisticated level of journalistic

writing while they facilitate the uninterrupted production of the school newspaper. Students will also be expected to increase their role on the editorial staff and to participate in other key leadership positions for the newspaper. This course will require individuals to be present periodically at extracurricular events. Prerequisite: 901 Journalism 1 and teacher approval.

906 Yearbook III – Grade 12

1 credit

This course further expands skills of yearbook journalism publication and provides opportunities to develop leadership skills. In this course, students are expected to demonstrate expertise in a variety of journalistic disciplines including reporting, writing, copy-editing, layout design, and photography. Students will make content decisions, manage staff deadlines, mentor staff members, and will learn a variety of organizational and management techniques to assist them in working with staff members. Students in this course typically hold the Editor positions on the Torch Yearbook Staff. Students need to be aware that this is a co-curricular class that will require after-school hours to complete deadlines satisfactorily. Prerequisite: Yearbook II and teacher approval.

905 Journalism III – Grade 12

1 credit

Students taking this course will be responsible for leading a staff of their peers as they produce *Crusader Nation*, the school news magazine, sdhsnation.org, our news website and *Crusader Nation News*, our school broadcast. As editors, students will be expected to serve as role models for their staff members. Students will produce *Crusader Nation* and CNN during the school year, and they will work to continually improve and expand the Journalism program. In addition, they will oversee teams of students producing elements for the newspaper and broadcast in the areas of news, editorials, sports, features and entertainment, photography, art, and graphic design. Each member will be responsible for some aspect of production and editing. Student editors can expect to spend many hours a month outside of class independently and/or during publication deadlines.

907 Broadcasting - Grades 11, 12

1 credit

This one-year course is designed for the study of the basic elements of broadcast journalism with a focus on writing and reporting well-balanced, comprehensive and visually compelling stories. The course will emphasize news-gathering, writing, video recording, editing, and the study of mass media while meeting the same deadlines that professional reporters handle in small, medium and large markets. Students will be introduced to skills such as script writing, directing, and proper camera usage and technique. They will also learn studio skills such as lighting, sound, and editing. These skills will allow the student to produce his/her own feature package as they encounter both long and short-term deadlines and out-of-class responsibilities.

SOCIAL STUDIES CURRICULUM
Graduation requirement – 3.0 Credits

Course Title	9	10	11	12
232 US History	X			
222 World History		X		
224 Honors Big History*		X		
243 American Government			X	
246 Honors American Government*			X	
237 Psychology			X	X
238 Sociology			X	X
239 Contemporary Issues			X	X
241 Economics			X	X
245 Psychology AP*			X	X
267 Modern American History*			X	
265 Modern European History*			X	X
272 United States Foreign Policy*			X	X
971 Leadership			X	X

232 US History – Grade 9

1 credit

This is a survey course of United States history from the colonial period to the modern era. Various social, economic, geographical, and political developments that have shaped United States history and culture will be examined. Students will use selected readings to view the events and institutions of United States history.

222 World History – Grade 10

1 credit

This course is a study of world history focusing on civilization, heritage and culture with emphasis on continuity and causality. Emphasis is on building student awareness of the increasing interdependence of the world's peoples, cultures and nations. This course also provides many opportunities for the student to improve reading and written communication skills.

224 Honors Big History* – Grade 10, college credit, plus 0.5 weight

1 credit

Big History unites natural history and human history into a single, grand narrative, from the Big Bang 13.8 billion years ago to breakfast this morning. It does so by integrating the histories of the cosmos, the earth, life, and humans. With this grand synthesis in mind, we can try to answer mankind's oldest, most fundamental questions: 1) where do we come from? 2) what are we? and 3) where are we going? We will explore the origins and evolution of the universe, the evolution of life on earth, the emergence of human beings, the

creation of complex societies, how these societies expressed themselves, the impact of these societies on the environment, and different scenarios of humanity's future. Our major theme is the evolution of culture. This course provides a synthesis of the sciences, the social sciences, and the humanities upon which students can build their future learning as well as understand their place in the story of the universe. You will 1) listen to recorded lectures and presentations; 2) read, discuss, and review books and articles; and 3) view select documentaries. This honors college credit course satisfies the requirements for the University of Missouri – St. Louis HIST/INDTSC 1999 Big History: From the Big Bang to the Present (3 hours) course. Prerequisite: 3.0+ GPA and 90th percentile in reading on the most recent standardized test in addition to a signed letter of recommendation from principal and college guidance coordinator and written permission from a parent or guardian. Payment is made directly to the university.

243 American Government – Grade 11

0.5 credit

This course is an introduction to the study of national, state, and local governments. The U.S. Constitution is covered in detail and the requirements for the Missouri Constitution are met. Other topics include citizenship, elections, and current events dealing with foreign and domestic policy. The skills of finding, comprehending, organizing, evaluating, and communicating information are taught. Students learn the knowledge and skills needed to carry out their responsibilities and protect their rights as citizens of a free society.

246 Honors American Government*- Grade 11, college credit, plus 0.5 weight

0.5 credit

Introduction to basic concepts of government and politics with special reference to the United States, but including comparative material from other systems. This course meets state requirements for American history and government. College credit is available through University of Missouri –St. Louis as it meets the requirements for Political Science 1100: Introduction to American Politics (3 hours). Prerequisite: 90th percentile in reading on the most recent standardized testing and an A in 222 or A/B in 224. Payment is made directly to the university.

237 Psychology – Grades 11, 12

0.5 credit

This semester course examines human behavior and the various theories that propose to explain it. Students learn about the behavior of human nature and how to apply psychology in their lives. Topics include the goals and applications of psychology, different types of psychologists, learning and memory, childhood and adolescent development, social learning, parenting styles, personality development, and abnormal psychology and therapy.

238 Sociology – Grades 11, 12

0.5 credit

Sociology is the study of society and social interaction. Students become familiar with various theoretical approaches to understanding society in order to view social institutions and the units composing society from different perspectives. Students study culture, social behavior, social interaction and relationships, discrimination, social roles, social change, and a variety of topics that help explain our society functions and social causes of behavior.

239 Contemporary Issues – Grades 11, 12

0.5 credit

Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, government and conflict. This course uses newspapers, online media, cartoons, and newscasts to support class discussion. Additionally students participate in presentations and work with

primary source materials and opinion pieces in order to better understand the world around them. This discussion based class will also include regular short essays on the current topics covered.

241 Economics – Grades 11, 12

0.5 credit

This semester course examines economics with a mixture of theory and application. Topics include scarcity, supply and demand, measuring the economy, money and banking, globalization, and the role of government in the economy. The course will use practical and current information to explain economic concepts. Students will read articles, tables, charts, and statistics to find information.

245 AP Psychology* – Grade 11, 12, plus 0.5 weight

1 credit

The AP Psychology course involves a rigorous academic curriculum that is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. By enrolling in this course students agree to take the Advanced Placement Psychology Test and must incur the cost of the test. Prerequisite: 90% in English and Reading in the most recent standardized testing.

267 Modern American History* – Grade 11, college credit, plus 0.5 weight

0.5 credit

This is an introductory course in the history of the United States from Reconstruction to the present. Through lectures, readings, discussions, and written assignments major topics in the political, social, economic, and cultural history of the United States in this period will be examined. This honors college credit course satisfies the requirements for the University of Missouri – St. Louis HIST1002: American Civilization 1865 to present, (3 hours) courses. Prerequisite: 90th percentile in reading on the most recent standardized testing and an A in 222 or A/B in 224. Payment is made directly to the university.

265 Modern European History* – Grades 11, 12, college credit, plus 0.5 weight

0.5 credit

Beginning with 1715 through the present time, this course investigates the root causes of global conflicts, the rise of militarism, nationalism, and colonialism in Europe, as well as major technological advancements, and political and social movements that shape modern society. Emphasis is on the Reformation, age of absolutism, the Enlightenment, eighteenth and nineteenth century politics, culture and warfare, the World Wars, the Cold War, globalization, and modern rights movements. This honors college credit course satisfies the requirements for the University of Missouri –St. Louis HIST1032: Topics in European Civilization: 1715-present (3 hours). Payment is made directly to the university. Prerequisite: 90th percentile in reading on the most recent standardized testing and a 90% average in most recent social studies class.

272 United States Foreign Policy*- Grade 11, 12, college credit, plus 0.5 weight

0.5 credit

United States Foreign Policy is a semester elective college credit course, where students will examine past and present examples of US relations with other countries for economic, social, and political purposes. Further emphasis will be placed on connections between both inputs (sources) and outputs (outcomes) of US foreign policy. Further emphasis will be placed on predicting future foreign policy goals and actions based on national security, humanitarian, economic, and geopolitical concerns. The sources will examine the processes whereby US foreign policy is made and, more importantly, to understand the causes and determinants of US foreign policy. The outcomes will examine historical patterns of US foreign policy behavior as well as examine major issues and debates in contemporary US foreign policy. By the conclusion of this class students should be able

to show an improved ability to describe, explain, evaluate, and offer prescriptions for U.S. foreign policy. College credit is available through University of Missouri –St. Louis as it meets the requirements for Political Science 2820: U.S. Foreign Policy (3 hours). Prerequisite: Successful completion of Honors American Government for college credit. Payment is made directly to the university.

971 Leadership – Grades 11, 12, college credit

0.5 credit

In this elective course, students will explore the belief that leaders are developed, not born. Activities and assignments include reading and reflecting on leadership theories, articles and quotes; interviewing/shadowing leaders; reading current leadership books for discussion; discovering personal talents; and working effectively to plan service projects for both the St. Dominic Community and for outside organizations. Students should expect frequent reading and writing projects. This advanced college credit course satisfies the requirements for Drury University's LDST 101 Fundamentals of Leadership I (3 credit hours) course. Prerequisites for this course include: ACT composite of 18 or GPA of 3.00. Payment is made directly to the university.

WORLD LANGUAGE CURRICULUM

2 consecutive years of World Language is *strongly* recommended for college admissions

Course Title	9	10	11	12
365 Spanish 1	X	X	X	
366 Honors Spanish 1*	X	X	X	
367 Spanish 2		X	X	X
368 Honors Spanish 2*	X	X	X	X
382 Honors Spanish 3*		X	X	X
383 Honors Spanish 4*			X	X
395 Honors Spanish 5*				X
375 French 1	X	X	X	X
377 French 2		X	X	X
378 Honors French 2*	X	X	X	X
393 Honors French 3*		X	X	X
394 Honors French 4*			X	X
396 Honors French 5*				X

365 Spanish 1 - Grades 9, 10, 11

1 credit

Students receive an introduction to the Spanish language and Hispanic culture. The variety of materials and teaching methods used in class will make possible the development of the four language skills: listening, speaking, reading, and writing. In addition to learning to read, write and converse at the novice-mid level, students will gain information about the influences and geography of Spanish speaking cultures. Prerequisite: Composite score on ITBS of 30th percentile and/or an A/B in English and Spanish (if offered).

366 Honors Spanish 1* - Grades 9, 10, 11 plus 0.5 weight

1 credit

Students receive an accelerated introduction to the Spanish language and Hispanic culture. The variety of materials and teaching methods used in class will develop the four language skills: listening, speaking, reading, and writing. Emphasis is on reading, conversation, understanding of grammar, and production of language at the novice-mid level. The class will provide an accelerated learning environment to the highly motivated beginning Spanish student. Prerequisite: ELA score on ITBS of 90th percentile and A/B in previous Spanish course. For incoming freshmen, a placement test is available.

367 Spanish 2 – Grades 10, 11, 12

1 credit

This course reinforces and builds on the vocabulary, grammar, and culture learned in Spanish 1. Students will continue to develop reading and listening comprehension skills, writing and speaking abilities at the novice-high level. In addition they will build upon their knowledge of the Hispanic culture. Prerequisite: Successful completion of 365 Spanish 1 or 366 Honors Spanish 1.

368 Honors Spanish 2* – Grades 9, 10, 11, 12, plus 0.5 weight 1 credit

This course reinforces and builds on the vocabulary, grammar and culture learned in Spanish 1. Students will further develop complex reading, listening, writing and speaking abilities at the novice-high level. Additionally, their knowledge of the cultures of the Spanish-speaking world will increase through higher-level lessons, activities and projects. Prerequisite: 93% or above in 365 Spanish 1 or 83% or above in 366 Honors Spanish 1 and teacher approval. For incoming freshmen, a placement test is available.

382 Honors Spanish 3* – Grades 10, 11, 12, college credit, plus 0.5 weight 1 credit

Material learned is the equivalent of a first semester college course in Spanish composition and conversation. The grammatical structure of the language is more intensely studied. Students achieve the intermediate-low fluency level through meaningful communicative activities, creative compositions and cultural readings. This advanced college credit course satisfies the requirements for the University of Missouri – St. Louis SPANISH 1001: Spanish Language and Culture I (5 credits) course. Payment is made directly to the university. Prerequisite: 83% in 368 Honors Spanish 2 or 93% in 367 Spanish 2 and teacher approval.

383 Honors Spanish 4* – Grades 11, 12, college credit, plus 0.5 weight 1 credit

Material learned is the equivalent of a second semester college course in Spanish composition and conversation. Meaningful communicative activities strengthen speaking skills, while creative compositions and projects improve writing ability and improves students' fluency to the intermediate-mid level. This advanced college credit course satisfies the requirements for the University of Missouri – St. Louis SPANISH 1002: Spanish Language and Culture (5 credits) course. Payment is made directly to the university. Prerequisite: 80% in 382 Honors Spanish 3 and teacher approval.

395 Honors Spanish 5* - Grades 12, college credit, plus .5 weight 1 credit

Material learned is the equivalent of a third semester college course in Spanish acquisition. In this course we will continue to develop communicative skills in the Spanish language, reaching an intermediate-high level. Communication requires abilities in four skills that will be nurtured in this course: listening, speaking, reading, and writing. Many aspects of Hispanic culture will be presented, explored and assessed. Conversations and written compositions will be based on Spanish or Latin American literature, scholarly or contemporary texts, and a variety of historical and cultural topics. This advanced college credit course satisfies the requirements for the University of Missouri - St. Louis SPANISH 2101: Spanish Language and Culture (3 credits) course. Fees for college credit will be paid directly to the University. Prerequisite: 80% in 383 Honors Spanish 4 and teacher approval.

375 French 1 – Grades 9, 10, 11, 12 1 credit

Students acquire the foundation of fluency in the French language through immersion. Through active participation in class and use of integrated technology tools students develop listening, speaking, reading and writing skills in contexts that are meaningful for basic communication in multiple real-world situations. Students' language production and comprehension in French will be at the novice-mid level. Global awareness is enhanced through the study of the cultures of French speaking populations worldwide: North and South America, the Caribbean, the South Pacific, Asia, Africa and Europe.

377 French 2 – Grades 10, 11, 12 1 credit

This course builds on the foundation of French 1 with increased emphasis on active speaking participation, expanded vocabulary, reading facility and listening comprehension through immersion. Students' language

production and comprehension in French will be at the novice-high level. Integrated technology tools offer exposure to culturally relevant material for awareness of customs and current events in the French-speaking populations worldwide: North and South America, the Caribbean, the South Pacific, Asia, Africa and Europe. Prerequisite: Successful completion of 375 French 1. For transfer students, a speaking placement test with the instructor will also be required.

378 Honors French 2* – Grades 9, 10, 11, 12, plus 0.5 weight

1 credit

This course builds on the foundation of French 1 to enhance speaking and comprehension skills that incorporate complex grammatical structures and expanded vocabulary through immersion. Students' language production and comprehension in French will be at the novice-high level. Honors quality unit research projects further develop reading facility and fluency in communication. Integrated technology tools offer real-time access to current events and cultural influences in the French-speaking populations worldwide: North and South America, the Caribbean, the South Pacific, Asia, Africa and Europe. Prerequisite: A in 375 French 1 and teacher approval.

393 Honors French 3* - Grades 10, 11, 12, college credit, plus 0.5 weight

1 credit

Through immersion, students refine their speaking and writing skills through multimedia based study of current events, culture, art, history and literature. Equal emphasis is placed on practical applications of language to be effective in today's global environment. Supplemental iPad projects stimulate fluency and increase comfort with expressing needs and ideas in French. Students' language production and comprehension in French will be at the intermediate-low level. This advanced college credit course satisfies the requirements for the Saint Louis University FREN 1010: Communicating in French I second semester (3 credits). Payment is made directly to the university. Prerequisite: A/B/C in 378 Honors French 2 and teacher approval.

394 Honors French 4* - Grades 11, 12, college credit, plus 0.5 weight

1 credit

Through immersion, language skills and cultural competency are strengthened through discussions of literature and films that enrich the study of current events, history, and culture. Literary selections develop an appreciation for the diversity of French speakers. Students' language production and comprehension in French will be at the intermediate-mid level. This advanced college credit course satisfies the requirements for the Saint Louis University FREN 1020: Communicating in French II (fall, 3 credits) and FREN 2010: Intermediate French: Language and Culture (spring, 3 credits). Payment is made directly to the university. Prerequisite: A/B/C in 393 Honors French 3 and teacher approval.

396 Honors French 5* - Grade 12, college credit, plus 0.5 weight

1 credit

Language skills and cultural competency are strengthened through discussions of literature and films that enrich the study of current events, history, and culture. Literary selections develop an appreciation for the diversity of French speakers. Students will thoroughly analyze the literary and cinematic material presented. Honors quality unit research projects and presentations further develop students' fluency in the French language. Students' language production and comprehension in French will be at the intermediate-high level. College credit may be available.

Criteria for 5th year French or Spanish students: must have a cumulative 3.0 GPA in third and fourth levels of foreign language, approval from the language instructor, be aware that the student will work completely independently and will need to establish a program of study with the instructor.

MATHEMATICS CURRICULUM
Graduation requirement – 3.0 Credits, All Four Years Recommended.

Course Title	9	10	11	12
412 Algebra 1	X			
413 Honors Algebra 1*	X			
422 Geometry		X		
423 Honors Geometry/Trigonometry*	X	X		
442 Math Topics			X	X
432 Algebra 2 / Trigonometry		X	X	X
433 Honors Algebra 2 / Trigonometry*		X	X	X
435 Statistics			X	X
441 Prep College Algebra			X	X
448 College Algebra			X	X
449 Honors Pre-Calculus*			X	X
462 Honors Calculus*				X

412 Algebra 1 – Grade 9

1 credit

This course gives an understanding of the basic structure of algebra. Algebraic concepts include linear and quadratic equations; graphing simple linear, exponential, absolute value, and quadratic equations; variable inequalities, properties of exponents, scientific notation, systems of equations, polynomials, and radicals.

413 Honors Algebra 1* – Grade 9, plus 0.5 weight

1 credit

This course gives an understanding of the in depth structure of algebraic concepts; solving linear equations, graphing equations, variable inequalities, properties of exponents, scientific notation, simplifying radicals, systems of equations, simple probability problems, polynomials, quadratic graphs and functions, quadratic equations, absolute value graphs and equations, exponential functions and graphs and radical equations. Prerequisite: 90th percentile or higher in math on the most recent standardized testing and A/B in the last math class.

422 Geometry – Grades 10

1 credit

This course studies points, lines, planes, triangles, polygons, quadrilaterals, circles, areas and volumes. By studying postulates, corollaries, and theorems, students develop inductive and deductive reasoning skills needed to solve problems in this course. Prerequisite: successful completion of an approved high school Algebra I program.

423 Honors Geometry/Trigonometry* - Grades 9, 10, plus 0.5 weight 1 credit

This course studies points, lines, planes, triangles, polygons, quadrilaterals, circles, areas, volumes, two column deductive proofs, trigonometric relationships, and special triangles. Students will be required to use more algebra in this class to solve problems than is required in 422. By studying postulates, theorems, and corollaries, students develop inductive and deductive reasoning skills needed to solve problems in this course. Prerequisites: 90th percentile in math on the most recent standardized testing, an A in 412 Algebra I or 413 A/B in Honors Alg. I.

442 Math Topics – Grades 11, 12 (does not meet NCAA approval) 1 credit

Students will refresh the prior topics in order to bridge Algebra 1 to Algebra 2. Some Algebra 2 topics will be introduced, such as factoring polynomials, solving equations and inequalities, and graphing functions. Financial mathematics will also be discussed. Applying mathematical understanding to daily encounters with numbers will be stressed.

432 Algebra 2/Trigonometry – Grades 10, 11, 12 1 credit

This course extends the algebraic concepts developed in Algebra 1. Students will graph and solve linear, quadratic, polynomial, exponential, rational, logarithmic and radical functions. Students will also study and use the trigonometric functions to solve right triangles, solve oblique triangles and find trig values of general angles. Problem solving strategies will be emphasized. Graphs of circles may be explored. Prerequisites: Successful completion of an approved high school Algebra 1 program.

433 Honors Algebra 2/Trigonometry* – Grades 10, 11, 12, plus 0.5 weight 1 credit

This course extends the algebraic concepts developed in Algebra I. Students will graph and solve absolute value equations & inequalities, quadratic, polynomial, exponential, rational, logarithmic, and radical functions; the study of trigonometric functions, graphs of trigonometric functions, and conic sections. Prerequisite: 90th percentile in math on the most recent standardized test, an A in Geometry 422 or an A/B in Honors Geometry/Trig 423. If this course is taken simultaneously with Geometry 422 or Honors Geometry 423, then requirements include 90th percentile in math on most recent standardized test, an A in Algebra 1 412 or A/B in Honors Algebra 1 413 and with teacher/counselor approval for dual math courses.

435 Statistics – Grades 11, 12 1 credit

Using real world situations and applications, this course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Major topics will also include probability and counting methods, using probability distributions to find the probability of a given event, normal distributions, confidence intervals, and hypothesis testing. Prerequisite: Successful completion of 432/433 Algebra 2.

441 Prep College Algebra – Grades 11, 12 1 credit

This course is designed for students who are college bound but are not ready for a college level course. Concepts covered in this course will provide students with a deeper understanding of Algebra 2 concepts. It will extend their learning of linear, quadratic, polynomial, exponential, and rational functions, systems of equations and inequalities. Problem solving strategies will be emphasized. A scientific calculator is recommended.

Prerequisite: Successful completion of 432/433 Algebra 2.

448 College Algebra – Grades 11, 12, college credit 1 credit

A review and study of algebraic topics including equations and inequalities, algebraic, exponential, and logarithmic functions, systems of equations and inequalities. Emphasis is placed on application and review of skills. Students are required to have a non-graphing calculator on the first day of class through the entire

course. This course requires a fee for software and 3 hours of college credit from Truman State University. This advanced college credit course satisfies the requirements for Truman State University's MATH 156: College Algebra (3 hours) course. Prerequisite: B or better in 432/433 Algebra 2. Payment is made directly to the university.

449 Honors Pre-Calculus* – Grades 11, 12, college credit, plus 0.5 weight 1 credit

This course continues to prepare students for advanced math courses taken either at St. Dominic or at the collegiate level. Topics covered in this course include factoring, radicals, and rational exponents. In addition, students will study linear functions, equations and inequalities; polynomial functions, equations and inequalities; rational functions, equations and inequalities; exponential and logarithmic functions and equations; and systems of equations. The trigonometry topics covered include triangle trigonometry and its applications; trigonometric and inverse trigonometric functions; trigonometric identities and equations, graphing of trigonometric functions; vectors and polar coordinates. This advanced college credit course satisfies the requirements for the University of Missouri - St. Louis MATH 1045 Pre-Calculus (5 credit hours). Prerequisite: A- or better in Algebra 2 432 or A/B in Honors Algebra 2 433. Payment is made directly to the university.

462 Honors Calculus* – Grade 12, college credit, plus 0.5 weight 1 credit

A study of plane analytic geometry, limits, continuity, the derivative for functions of a single variable, differentials, indefinite and definite integrals, the Fundamental Theorem of Calculus, and applications of the derivative and integral. This advanced college credit course satisfies the requirements of University of Missouri - St. Louis MATH 1800 Analytic Geometry and Calculus 1 (5 credit hours). Prerequisite: B or better in 449. Payment is made directly to the university.

Math Lab (Guidance Recommendation Only) – Grade 9-12 (Elective Credit) 1 credit

A Math Lab, unlike a Study Hall, is worth 1.0 credits as an elective course offered in addition to Algebra 1, Geometry or Algebra 2. It is scheduled on the opposite days of the students' regular Math course and instructed by a faculty member in the Math Department. This pass/fail course offers students the opportunity for reinforcement and practice on concepts being taught in their regular math course. In a block schedule, it also offers the benefit of having instruction and practice every day to best serve our students' academic needs who may struggle in Math by having it scheduled on the opposite day of the regular Math course. A Math Lab may only be taken with approval by Administration, Guidance and the Learning Consultant.

SCIENCE CURRICULUM
Graduation requirement – 3.0 Credits

Course Title	9	10	11	12
522 Biology	X			
523 Honors Biology*	X			
511 Physical Science		X		
532 Chemistry			X	X
533 Honors Chemistry*		X	X	
534 Honors Chemistry 2*			X	X
536 Investigative Sciences			X	X
537 Environmental Science			X	X
539 Earth Science			X	X
540 Human Anatomy & Physiology			X	X
562 Honors Human Anatomy & Physiology*			X	X
564 Honors Physics 1*			X	X
544 Honors Physics 2*				X

522 Biology – Grade 9

1 credit

This course is the study of living things. The topics include scientific problem solving, microscopic investigation, properties of life, biochemistry, cellular organization, metabolism, cell reproduction, genetics, biotechnology, ecosystems, diversity of species and the environment. The dissection lab unit focuses on a comparison of the biological details that define groups of organisms.

523 Honors Biology* – Grade 9, plus 0.5 weight

1 credit

This course is a challenging examination of the aspects of living things and the processes vital to their existence. Topics include metabolism, cell structure and functions, cell reproduction, heredity, basic biochemistry, and plant biology. There is a special emphasis on the human perspective of biology. The course provides a background in biological principles that students need to evaluate the impact of biotechnology on their lives. Prerequisite: Composite of 90th percentile on the most recent standardized testing or Iowa Assessments.

511 Physical Science – Grade 10

1 credit

Physical Science is a full-year course that investigates and explores the fundamentals of physics and chemistry. Students will study force, motion, energy, properties of matter, atomic structure, and chemical reactions through classroom instruction, projects, and laboratory experiments. Students are encouraged to explore the relationship between science and everyday life by examining the physical world around them. Prerequisite: Completion of 412 Algebra 1.

532 Chemistry – Grade 11

1 credit

Students study basic concepts of chemistry that include atomic structure, matter and its properties and changes, the periodic chart, chemical reactions, solutions, and nuclear chemistry. Laboratory exercises and experiments teach students the basic characteristics of matter and the world around us. Elements, compounds, and mixtures are used by students or demonstrated by the instructor. Current scientific issues and problems are discussed. Prerequisite: Successful completion of Biology 522/523 and concurrent enrollment in Algebra II or Honors Geometry.

533 Honors Chemistry* – Grades 10, 11 plus 0.5 weight

1 credit

This course is a demanding exploration of general chemistry. Laboratory exercises and problem-solving activities are an integral part of this course. Through varied learning opportunities and projects students will study concepts such as the characteristics of matter and how it relates to the world around us, atomic theory, the periodic table of elements, chemical bonding, the chemistry of compounds and solutions, the gas laws, and radioactivity. Current scientific events and issues are explored. Prerequisite: A/B in Honors Geometry and/or Honors Algebra 2/Trigonometry (or concurrent enrollment in Honors Geometry or Honors Algebra 2/Trig).

534 Honors Chemistry 2* – Grades 11, 12, plus 0.5 weight

1 credit

This is an intensive course with topics covering, but not limited to, atomic structure, bonding, stoichiometry, reactions (including nuclear and d-block), thermochemistry, kinetics, equilibria, and electrochemistry. Laboratory experiments are an integral component of the course. Prerequisites: A/B in Honors Chemistry or A in Chemistry and A in Algebra 2 or concurrent with Honors Algebra 2. The Advanced Placement test is available for students who take this class.

536 Investigative Sciences – Grades 11, 12

1 credit

In this laboratory-based course, the student assumes the role of laboratory researcher. Students learn investigative laboratory techniques through training labs, work in “teams” through hands-on activities, and solve science related problems.

537 Environmental Science – Grades 11, 12

1 credit

To be responsible citizens of the 21st century, students in this course will come to understand that the earth is one interconnected system that provides humans with a multitude of natural resources and services. There are increasing demands on this system due to population growth and development of technologies. Students in this course study the impact on the environment and its ability to recover, as well as methods of conservation and sustainable use of these resources.

539 Earth Science – Grades 11, 12

1 credit

Earth Science is a full-year course that investigates and explores the fundamentals of the concepts of Earth Science, Meteorology, and Geology through classroom instruction, projects, and laboratory experiments. Students are encouraged to explore the relationship between science and the world around them.

Prerequisite: Successful completion of Physical Science.

540 Human Anatomy & Physiology – Grades 11, 12

1 credit

This course covers the general anatomy and physiology of the human body. The intent of this course is to foster a sense of awareness of the functions of the human body, from the level of the cell through the level of the whole organism. The dissections of preserved animal organs are used throughout the course for the study of anatomy. Prerequisite: C or better in Biology 522/523 and completion or concurrent Chemistry 532/533.

562 Honors Human Anatomy & Physiology* – Grades 11, 12, plus 0.5 weight

1 credit

This demanding course studies the activities that are characteristic of living matter within the human body. It includes a detailed explanation of the physiology and anatomy of the systems of the body. The intent is to foster self-awareness of the functions of the human body, from the level of the cell through the level of the whole organism. The dissections of preserved animal organs are used throughout the course for the study of anatomy. Prerequisite: 90th percentile in reading on the most recent standardized testing, A/B in Honors Biology 523, A/B in Honors Chemistry 533.

564 Honors Physics 1* – Grades 11, 12, plus 0.5 weight

1 credit

This demanding course is math-based and studies Kinematics, Force and Translational Dynamics, Work, Energy, and Power, Linear Momentum, Torque and Rotational Dynamics, Energy and Momentum of Rotating Systems, Oscillations, and Fluids. By enrolling in this course students have the option to take the Advanced Placement Physics 1 Test and must incur the cost of the test. Prerequisite: A/B in Honors Chemistry or A in Physical Science and A/B in Honors Geometry or A in Geometry.

544 Honors Physics 2* –Grade 12, plus weight 0.5

1 credit

Honors Physics 2 is a demanding algebra-based, introductory college-level physics course that is a continuation of where Honors Physics 1 leaves off. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Thermodynamics, Electric Force, Field, and Potential, Electric Circuits, Magnetism and Electromagnetism, Waves, Sound, and Physical Optics, Geometric Optics, and Modern Physics. By enrolling in this course students have the option to take the Advanced Placement Physics 2 Test and must incur the cost of the test. Prerequisite: Successful completion of Honors Physics 1.



Course Title	9	10	11	12
771 Computer Science Essentials	X	X	X	
776 Cybersecurity		X	X	X
780 Computer Science Principles AP*		X	X	X
790 Computer Science A*			X	X
980 Introduction to Engineering Design	X	X	X	
982 Principles of Engineering*		X	X	X
983 Aerospace Engineering*			X	X
810 Principles of Biomedical Science*	X	X		
811 Human Body Systems* (Not offered 2022-23)		X	X	
812 Medical Interventions*		X	X	X
813 Biomedical Innovation*				X

771 Computer Science Essentials (CSE) – Grades 9, 10, 11 (Practical Art) 1 credit

Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block based programming and seamlessly transition to text-based programming with languages such as Python® to create apps and write computer programs to put their designs into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. Students will have the opportunity for college credit through Missouri S&T by taking this course.

776 Cybersecurity - Grades 10, 11, 12 (Practical Art) 1 credit

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Students will have the opportunity for college credit through Missouri S&T.

780 Computer Science Principles (CSP) AP* – Grades 10, 11, 12 plus weight 0.5 (Practical Art) 1 credit

Express your creativity through code. Using Python® as a primary tool, students work in teams to develop computational thinking to solve problems and create value for others. Develop, analyze, implement, and test programs developed for a purpose. Learn to uncover patterns in data, protect data, and explore how the internet connects the world in which we live. Students will learn the fundamentals of coding, data processing, data security, and automating tasks. This course prepares students to excel on the AP Computer Science Principles exam, giving students the opportunity for college credit through Missouri S&T. Prerequisite: 771 Computer Science Essentials.

790 Computer Science A (CSA) AP* - Grades 11, 12 plus weight 0.5 (Practical Art) 1 credit

Students will engage in hands-on activities, projects, and problems that are reflective of real-world challenges. The course promotes computational thinking and Java coding fundamentals. Students will gain an understanding of programming through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. They will learn object-oriented programming and design using the Java programming language. Students will have the opportunity for college credit by taking the AP exam as well as through Missouri S&T by taking this course. Prerequisite: 770 Computer Science Principles.

980 Introduction to Engineering Design– Grades 9, 10, 11 (Practical Art) 1 credit

Introduction to Engineering Design™ (IED) is appropriate for high school students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. Students use a state of the art 3D solid modeling design software package to help them design solutions to solve proposed problems which will increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community. Introduction to Engineering Design is one of three foundation courses in the Project Lead the Way high school pre-engineering program. Prerequisite: Concurrent enrollment in Honors Algebra 1 or successful completion of Algebra 1.

982 Principles of Engineering*– Grades 10, 11, 12 plus weight 0.5 (Practical Art) 1 credit

Principles of Engineering students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies. Students are immersed in design as they investigate topics such as sustainability, mechatronics, forces, structures, aerodynamics, digital electronics and circuit design, manufacturing, and the environment. It gives them an opportunity to learn about different engineering disciplines before beginning postsecondary education. Principles of Engineering 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: Successful completion of 980 Introduction to Engineering Design.

983 Aerospace Engineering* - Grade 11, 12 plus weight 0.5 (Practical Art) 1 credit

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through

projects such as remotely operated vehicles. Prerequisite: Successful completion of 981 Principles of Engineering.

810 Principles of Biomedical Science* – Grades 9, 10 plus weight 0.5 (Practical Art) 1 credit

In the introductory course in the PLTW Biomedical Science program, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems. Prerequisite: Concurrent enrollment or completion of Honors Biology 523 with an A/B or successful completion of Biology with an A and teacher recommendation pending available seats.

811 Human Body Systems* - Grades 10, 11 plus weight 0.5 (Science Credit) 1 credit

In this course Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeleton, use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration, and take on the roles of biomedical professionals to solve real-world medical cases. Prerequisite: Successful completion of 810 Principles of Biomedical Science and completion or concurrent enrollment in Honors Chemistry/Chemistry. *Available in alternating years, beginning again in 2023-2024 school year.*

812 Medical Interventions* - Grades 10, 11 plus weight 0.5 (Science Credit) 1 credit

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection, screen and evaluate the code in human DNA, evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Prerequisite: Successful completion of 810 Principles of Biomedical Science with an A/B, and completion or concurrent enrollment in Honors Chemistry/Chemistry.

813 Biomedical Innovations* - Grade 12 plus weight 0.5 (Science Credit) 1 credit

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent capstone project with a mentor or advisor from a university, medical facility, or research institution. Pre-or corequisite: Successful completion of 812 Medical Interventions with an A/B.

PLTW Student Opportunities: Students can earn college credit and scholarships from select post-secondary institutions. For more information, see <https://pltw.mst.edu/undergraduate-credit/>

PLTW Program	First Course	Second Course	Third Course	4th Course
Engineering	980- Intro to Eng.	982- Princ. of Eng.	983- Aerospace	
Biomedical	810- Princ. of Biomed	811 or 812- HBS/MI	811 or 812- HBS/MI	813- Biomed Inn.
CPU Science	771- CPU Sci. Ess.	780- CPU Sci. Princ.	790- CPU Science A	776*-Cybersecurity (Optional 10th-12th)

VISUAL AND PERFORMING ARTS CURRICULUM
Graduation requirement – 1.0 Credit

Course Title	9	10	11	12
611 Introduction to Art	X	X		
612 Art 1	X	X		
613 Art 2		X	X	X
617 Honors Advanced Art*			X	X
608 Digital Art		X	X	X
618 Lettering & Design			X	X
622 Mixed Chorus	X	X		
623 Concert Choir		X	X	X
625 Honors Concert Choir*			X	X
626 Introduction to Music Performance	X	X		
633 Concert Band	X	X	X	X
634 Honors Concert Band*			X	X
636 Music Theory & Composition			X	X
639 Music Appreciation			X	X
644 Introduction to Theater	X	X		
647 Improvisation	X	X	X	X
649 Actor's Studio I	X	X	X	X
650 Actor's Studio II	X	X	X	X
651 Theatre Design and Technology	X	X	X	X
653 Advanced Studio/Directing Theatre		X	X	X

611 Introduction to Art – Grades 9, 10

0.5 credit

Students are introduced to the visual arts, elements of art and principles of design through readings and discussion in the resource text *ArtTalk*. This is interspersed with lecture and studio experiences. This course is a nice balance of academic and studio experiences. There are quizzes, tests, and research papers.

612 Art 1 – Grades 9, 10

1 credit

This year-long course may be chosen by the serious art student in place of 611. The program provides opportunities for students to develop skills in studio production, art history, and critical thinking. Students purchase some supplies. Although primarily a studio course, there will be some academic material, quizzes,

tests, and sketchbook assignments. Prerequisite: Successful completion of the Art 1 Application (available in the Guidance Office).

613 Art 2 – Grades 10, 11, 12

1 credit

Art 2 students continue to develop and refine skills learned in Art 1 as well as learn more in depth the various art processes, skills in handling various media, and higher-level problem solving. Students are responsible for providing most of their art supplies. There will be some academic material, quizzes, tests, and sketchbook assignments. Prerequisite: A/B in 612 Art 1.

617 Honors Advanced Art* – Grades 11, 12, college credit, plus 0.5 weight

1 credit

Honors Advanced Art is designed for those students who have successfully completed Art 1 and 2, or a previous year of Honors Advanced Art. Students will develop mastery in concept, composition, and execution of ideas. Students will use a variety of mediums, techniques, and approaches in art to develop concepts and ideation. This course includes studio problems in both two-dimensional and three-dimensional design. Students will explore and understand the foundations of visual thinking. Formulaic solutions to problems are discouraged. This advanced college credit course satisfies the requirements for University of Missouri-St. Louis's STUDIO ART 1150: 2D DESIGN: Surface (3 credits) course and STUDIO ART 1151: 3D DESIGN: Space (3 credits) course. Fees for college credit will be paid directly to the University. Prerequisite: A/B in Art 2 or Honors Advanced Art.

608 Digital Art – Grades 10, 11, 12

0.5 credit

This semester course is for the student who would like to learn techniques for digital art. This class will explore a variety of apps and incorporate digital photography, collage, and layers all using the iPad. Activities will include working with paints, pencils, pastels and other art media digitally. Emphasis is on composition, the elements of art, and principles of design in guided hands-on digital art projects. There is homework in this course.

618 Lettering and Design – Grades 11, 12

0.5 credit

This course is for the student who would like to learn techniques for freehand lettering and design. Studio projects range from individual and expressive lettering to very structured formal calligraphy and could include bio-poems, illuminated lettering, calligrams and other design projects. Formal calligraphy is taught for approximately 1/3 of the semester. Students are required to purchase their own supplies. There is homework in this course.

622 Mixed Chorus – Grades 9, 10

1 credit

This course is designed for students in their first year of participating in a high school ensemble. Students will learn the basics of singing and reading music. Since this is a performance class, the Mixed Chorus will sing in four concerts during the school year. After successfully completing Mixed Chorus for one year, students are eligible to enroll in Concert Choir. Prerequisite: Sophomores interested in this course are required to audition for enrollment in the course.

623 Concert Choir – Grades 10, 11, 12

1 credit

Concert Choir offers an opportunity for serious vocal students to participate in a performing ensemble. Students review the fundamentals of music and rhythm, as well as style and technique. Emphasis is placed on music reading and elements of choral technique, such as breathing, phrasing and blending. Developing a positive stage presence is essential since students are required to perform in four concerts during the school

year. If a freshman has choral experience he/she may audition for concert choir. Prerequisite: Successful completion of 622 Mixed Chorus or approval by instructor.

625 Honors Concert Choir* – Grades 11, 12, plus 0.5 weight 1 credit

This course is for the more advanced singer. In addition to meeting the expectations of the Concert Choir requirements, students must prepare and audition for the District Honors Choir, and prepare and perform a solo in the District Music Festival. They must also enroll in weekly private lessons conducted by an instructor approved by the classroom teacher. Students are required to perform in four concerts during the school year. The instructor must approve applications for Honors Concert Choir.

626 Intro to Music Performance – Grades 9, 10 0.5 credit

This course introduces students to basic skills in performance, using the recorder and piano. Students are introduced to basic music theory and history.

633 Concert Band – Grades 9, 10, 11, 12 1 credit

This course develops skills of playing a musical instrument in a group dynamic. The Concert Band performs in four concerts during the school year. The band also performs at pep rallies, football games, basketball games, community events, and music festivals. Prerequisite: Participation in band at the student's previous school or approval of the music director. Taking this course allows students to participate in the Jazz Band.

634 Honors Concert Band* – Grades 11, 12, plus 0.5 weight 1 credit

This course develops skills of playing a musical instrument in a group dynamic. The Concert Band performs in four concerts during the school year. The band also performs at pep rallies, football games, basketball games, community events, and music festivals. In addition to meeting the expectations of the Concert Band, students must prepare and audition for the District Honors Band. Students must prepare and perform a solo in the District Music Festival. Students must also enroll in weekly private lessons conducted by an instructor approved by the classroom teacher. Taking this course allows students to participate in the Jazz Band. The instructor must approve applications for Honors Concert Band.

636 Music Theory & Composition – Grades 11, 12 0.5 credit

This course provides students with the ability to analyze and compose music. Keys, scales, harmony, and chord structure are emphasized. Students should have some experience reading music before taking this course.

639 Music Appreciation – Grades 11, 12 0.5 credit

This semester course introduces students to the music and lives of composers from various musical periods and cultures. It introduces students to both the elements and the history of music.

644 Introduction to Theater – Grades 9, 10 0.5 credit

This beginning level, survey course is designed for both the student new to drama and the student with a general background in theatre. Students will enter the exciting world of theater both on stage and behind the scenes. During this participatory class, students will study the origin and history of theatre as well as the study of all basic theatre elements from performance, voice, and diction to the basics of technical theatre including sound, props and simple costumes. Collaborative group and individual work is used to develop skills.

647 Improvisation – Grades 9, 10, 11, 12 0.5 credit

In this beginning level daily participatory class, the student actor will become proficient in improvisation, end of the spot reacting to develop basic acting skills and stage movement. Emphasis will not be on memorization,

but on the training of the performer to create characters and to respond spontaneously and appropriately to given situations and characterizations. Students will create original characters, learn the basic rules of the stage and perform daily.

649 Actor's Studio— Grades 9, 10, 11, 12

0.5 credit

This participatory, beginning level class is for the beginning actor who enjoys live stage performance. The developing actor will learn acting skills, perform in class, and evaluate theatrical works. Theatre experiences outside of class are required during the semester (attending theatrical performances, participating in theatre productions). Students will participate in pantomime, improvisation, perform monologues, duet scenes, and selections from quality plays from various time periods to show the relationship between theatre and culture. Although improvisation is used, the memorization of both monologues and scenes will be required. Students will perform at open house and on the Evening of the Theatre.

650 Actor's Studio II – Grades 9, 10, 11, 12

0.5 credit

Actor's studio II is an intermediate level course that builds upon acting skills learned in Actor's Studio. The class is an exploration of characterization through different methods and styles of acting, using classical literature and plays, audition skills and the rehearsal process. Students will apply skills from Studio I and new skills to the creation of theatrical productions which will be performed for in-school and out-of-class audiences. Students will also examine the wealth of children's literature and its adaptability to live performances to create and perform based on children's stories/books, prepared scripts, as well as storytelling performances. Students in Actors Studio II will participate in a required Evening of Theatre and the Shakespeare Monologue Competition. Rehearsals will take place during class time with two evening performances for a grade. Prerequisite: Actors Studio I 649.

651 Theatre Design And Technology – Grades 9, 10, 11, 12

0.5 credit

This intermediate level course will survey major areas of technical theatre and elements of design. Students will participate in the analysis, design, production, and critique of the theatre process that includes set, set painting, costume, lighting, sound, makeup, and props, business, house and theatre management. Students will learn the basics of color and design elements and will design for a specific show. Collaboration and problem-solving are fundamental aspects of the course. Students will be encouraged to be part of the crew for a school production.

653 Advanced Studio/Directing Theatre – Grades 10, 11, 12

0.5 credit

Advanced Studio Theatre is an advanced course for the serious performer or director. Students who take the course will create a portfolio that can be used in college and/or professional theatre auditions. Students have the option of selecting an area of emphasis – performing or directing. Students will have the opportunity to direct other students in scenes and a one act performance for the Evening of Theatre. Students that have taken Theatre Design and Technology may take this class with an emphasis in advanced technical projects by selecting an area of specialization to work on for the school productions and the Evening of Theatre. The class, as an artistic ensemble, will develop and perform for outside audiences. Productions will vary each semester. Theatre experiences outside of class are required including Evening of Theatre and Shakespeare Monologue Competition. Prerequisite: Actor's Studio I and II or Theatre Design and Technology.

BUSINESS CURRICULUM
Graduation requirement – 1.0 Credit of a Practical Art

Course Title	9	10	11	12
733 Intro to Business	X	X		
742 Marketing		X	X	X
743 Business Law			X	X
735 Accounting 1			X	X
739 Personal Financial Management +				required
762 Honors Accounting 2*				X
748 Entrepreneurship Capstone				X

733 Introduction to Business – Grades 9, 10

Practical Art

0.5 credit

This semester course introduces the world of business and helps prepare the student for the economic roles of consumer, worker and citizen. Students develop an understanding and appreciation of American and global business. Students will learn to apply various technology options for electronic communication, word processing, presentation and spreadsheet creation.

742 Marketing - Grade 10, 11, 12

Practical Art

.5 credit

This course is designed to introduce the student to the field of marketing, covering such topics as: advertising, promotions, product development, distribution, communication, human relations, and career exploration. This course is recommended for the college-bound student interested in marketing or business, as well as the non-college bound student interested in marketing occupations. Prerequisite: completion or concurrent enrollment in 733 Introduction to Business.

743 Business Law - Grade 11, 12

Practical Art

.5 credit

This course will guide students through the basic legal principles relevant to their roles as citizens, consumers, and employees exploring personal, business, and consumer laws. Course topics include characteristics of the U.S. civil law, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants' rights, individual rights, and laws pertaining to computer use.

735 Accounting 1 – Grades 11, 12

Practical Art

1 credit

This comprehensive one-year course presents the basic principles of the accounting cycle for both a service business and a merchandising business. Students will learn to plan, summarize, analyze and interpret financial statements. Spreadsheets will be integrated. This course is recommended for any student who is interested in a career in business. Prerequisite: completion or concurrent enrollment in 432 Algebra 2.

739 Personal Financial Management – Grade 12, college credit optional

Practical Art

0.5 credit

This course prepares students to handle their personal finances after high school including banking, credit, insurance, investing, saving and budgeting, and employment. This course will provide students with the concepts and critical thinking skills to understand the effects of financial decisions on individuals, families and society. Students will have the opportunity to sign up for college credit through Missouri State University – FIN

150 (3 hours) with this class. Prerequisites for college credit: unweighted GPA of 3.0. Payment is made directly to the university.

762 Honors Accounting 2* – Grade 12, plus 0.5 weight Practical Art 1 credit

This course is for students who plan to continue their education in accounting or other business administration areas and to broaden and improve knowledge about business procedures and use of accounting records. Students will learn to apply spreadsheets to accounting applications. Prerequisite: A/B in Accounting 1.

748 Entrepreneurship Capstone - Grade 12 Practical Art .5 credit

This project-based course is designed to give additional attention to the topics covered in Marketing and Accounting with a focus on developing a business. Emphasis is placed on writing a business plan, market research, finance, human resources and management. Prerequisite: Successful completion of or taking concurrently with Marketing and Accounting 1.

Business Path for Students Interested in Reaching Capstone

	Freshman or Sophomore Year	Sophomore-Senior Year	Junior or Senior Year	Senior Year
Required to Reach Capstone	733- Intro to Business	742- Marketing	735- Accounting 1	748- Entrepreneurship Capstone
Optional Courses in Business Path			743- Business Law	762- Honors Accounting 2
Required for All Students				739- Personal Financial Management

PHYSICAL EDUCATION/HEALTH CURRICULUM
Graduation requirement – Physical Education (0.5) and Health (0.5) Credit

Course Title	9	10	11	12
921 Physical Education 1 – Girls	X	X		
922 Physical Education 1 - Boys	X	X		
912 Health	X	X	X	X
916 Strength Training		X	X	X
954 Team Sports		X	X	
956 Lifetime Sports				X
915 Lifetime Fitness				X

Physical Education 1 and Health are required graduation requirements. Physical Education 1 and Health are also prerequisites for all other Physical Education courses. Only two PE classes per year are allowed.

921 Physical Education 1 – Girls – Grades 9, 10

0.5 credit

This semester course will focus on total physical fitness, which includes muscular strength and endurance, cardiovascular endurance, flexibility and an understanding of body composition. Student progress will be maintained in a portfolio monitoring personal growth and development.

922 Physical Education 1 – Boys – Grades 9, 10

0.5 credit

This semester course will focus on total physical fitness, which includes muscular strength and endurance, cardiovascular endurance, flexibility and an understanding of body composition. Student progress will be maintained in a portfolio monitoring personal growth and development.

912 Health – Grades 9, 10, 11, 12

0.5 credit

This semester course will focus on the importance of individual and family health. The units will include health and wellness, mental, physical and social health, nutrition and fitness and substance abuse.

916 Strength Training – Grades 10, 11, 12

0.5 credit

This course is designed to accommodate all students to help develop power, core strength, cardiovascular endurance, muscular strength and muscular endurance, and overall physical conditioning.

954 Team Sports – Grades 10, 11

0.5 credit

This course includes activities in various team sports. Teamwork, group spirit, and respect for individual differences are emphasized. Activities include volleyball, soccer, football, basketball, kickball, and hockey.

956 Lifetime Sports – Grade 12

0.5 credit

This class focuses on activities students can participate in throughout their lives: bowling, golf, disc golf, tennis, badminton, pickleball, and recreational games. Certain activities require off campus classes. Students will submit an application to the P.E./Health Department, Dean of Student Services, and Principal for approval. There is a fee for this class to cover expenses.

915 Lifetime Fitness – Grade 12

0.5 credit

This class focuses on fitness activities that students can do throughout their lives: walk, jog, yoga, Pilates, aerobics, hiking and other healthy lifelong fitness activities. Certain activities require off campus classes. Students will submit an application to the P.E./Health Department, Dean of Student Services, and Principal for approval. There is a fee for this class to cover expenses.