



COURSE DESCRIPTION BOOK

ST. DOMINIC HIGH SCHOOL | 2019-20

31 St. Dominic Drive | O'Fallon, MO 63366 | (636) 240-8303 | www.stdominichs.org



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.

For St. Dominic High School, the registration process helps us to make plans as far as staffing and allocation of resources go. Each year, departments review the courses that are offered and look to see if there are areas where we can add courses to better meet the needs of our students.

To graduate from St. Dominic High School a student must have earned 28 credits. Many of those 28 credits 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.

For St. Dominic High School, the registration process helps us to make plans for staffing and allocation of resources. Our academic departments review the courses that are offered to see if there are areas where we can add courses to better meet the needs of our students.

Below is a timeline for the registration process:

- Beginning the week of February 4th College Guidance Counselors will meet individually with each student to go over their four year course plan and review possible courses for next year.
- February 14th and 15th Parent signed registration forms are due to the Religion teachers.
- February 20th and 21st College Guidance Coordinators will assist students with the online course registration process.
- February 22nd is the make-up day for any student to complete the registration process.
- February 25th the \$300 registration fee is due.

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

| | | | |
|---|-----------|--------------------|--|
| Religion | 4 credits | Science | 3 credits |
| English | 4 credits | Practical Art | 1 credit (Personal Financial Management .5 credit) |
| Social Studies | 3 credits | Physical Ed/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.

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.

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.

| | | # of credits possible |
|-------------------------------|--------------------------------|-----------------------|
| St. Louis University | 046 Theological Foundation | 3 |
| | 056 Social Justice | 3 |
| | 162 Honors American Literature | 6 |
| | 172 Honors British Literature | 6 |
| | 159 Film Studies | 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 |
| | 262 Honors U.S. History | 6 |

| | | | |
|-------------------------------|-----|-----------------------------|---|
| University Missouri/St. Louis | 265 | Modern European History | 3 |
| | 449 | Honors Pre-Calculus | 5 |
| | 462 | Honors Calculus | 5 |
| | 617 | Honors Advanced Art | 6 |
| Truman State University | 448 | College Algebra | 3 |
| MO Univ. Science & Technology | 981 | Principles of Engineering | 3 |
| Missouri State University | 740 | Personal Finance Management | 3 |
| Drury University | 971 | Leadership | |
| Missouri Baptist University | 762 | Honors Accounting 2 | 3 |

Advanced Placement test options are:

Honors Physics, Psychology AP, Honors Chemistry 2, Computer Science Principles

GRADE POINTS FOR THE 2019– 2020 SCHOOL YEAR:

| | A | B | C | D | F |
|-------------------|-----|-----|-----|-----|---|
| Regular | 4.0 | 3.0 | 2.0 | 1.0 | 0 |
| Honors (plus 0.5) | 4.5 | 3.5 | 2.5 | 1.5 | 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.

HONOR ROLLS:

First Honors: G.P.A. of 3.80 or higher. No grade lower than a C

Second Honors: G.P.A. no lower than 3.50. No grade lower than a C

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 the junior and senior year. The grade point average is calculated on coursework completed only at St. Dominic High School. Honors will be awarded as follows:

| Cumulative Grade Point | Average Honors |
|------------------------|-----------------|
| 3.80 – 3.99 | Cum Laude |
| 4.00 – 4.19 | Magna Cum Laude |
| 4.20 and above | Summa Cum Laude |

RELIGIOUS STUDIES CURRICULUM
Graduation requirement – 4 years

| 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 | |
| 043 Responding to the Call of Jesus Christ (Christian Vocations) | | | | X |
| 044 Living as a Disciple of Jesus Christ in Society (Social Justice) | | | | X |
| 056 Living as a Disciple of Jesus Christ in Society (Social Justice) | | | X | X |
| 052 History of the Catholic Church | | | | X |
| 046 Theological Foundations | | | X | 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 three semester-based religion courses:**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.

056 Living as a Disciple of Jesus Christ in Society (Social Justice) – Grades 11, 12

0.5 credit

College 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.

ELECTIVE COURSE OPTIONS IN ADDITION TO THE REQUIRED RELIGION COURSES ABOVE:**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.

046 Theological Foundations – college credit, Grades 11, 12

0.5 credit

This semester course seeks to educate students from all the undergraduate programs in a critical discourse with human experience, biblical origins, historical foundations and historical developments of the Christian tradition. The course provides opportunity for human enrichment through creative questioning, awareness of Christian cultures, access to other cultural and religious contexts through comparative study, and balanced appreciation of Christianity as a vital element of global heritage. This advanced college credit course satisfies the requirements for St. Louis University's Theo 1000: Theological Foundations (3 hours) course. 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.

ENGLISH LANGUAGE ARTS CURRICULUM
Graduation requirement – 4 years

| Course Title | 9 | 10 | 11 | 12 |
|---|---|----|----|----|
| 111 Essentials of Literature and Composition 1 | X | | | |
| 112 Literature and Composition 1 | X | | | |
| 113 Honors Literature and Composition 1* | X | | | |
| 121 Essentials of Literature and Composition 2 | | X | | |
| 122 Literature and Composition 2 | | X | | |
| 123 Honors Literature and Composition 2* | | X | | |
| 131 Essentials of American Literature | | | 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 |
| 158 Pop Culture Literature | | | | X |
| 172 Honors British Literature and Composition* | | | | X |
| 148 Creative Writing | | | X | X |
| 159 Film Studies | | | X | X |
| 971 Leadership | | | X | X |
| 900 Yearbook | | X | X | X |
| 901 Journalism | | X | X | X |
| 903 Yearbook II | | | X | X |
| 904 Journalism II | | | X | X |

111 Essentials of Literature and Composition 1 – Grade 9

1 credit

In this year-long course students will study a variety of literary types using a thematic approach. Also included is a review of the 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 and drama. It covers the following areas of the English curriculum: grammar and composition, with an emphasis on writing a three to five paragraph essay, the research process and vocabulary development.

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

This year-long course helps the student understand and appreciate various literary forms, such as novels, short stories, poetry and drama. It covers the following areas of the English curriculum: writing essays, writing a research paper, improving grammar through writing, reading, using reference tools, increasing vocabulary, and enhancing critical thinking skills. Prerequisite: Score in the 90th percentile in Reading and ELA on Iowa Assessments and an A/B in 8th grade Reading and English.

121 Essentials of Literature and Composition 2 – Grade 10 1 credit

This year-long course reviews and strengthens the student's understanding of various literary forms by reading and analyzing short stories, poems, non-fiction works, plays, and novels. This course also provides many opportunities for the student to improve reading and written communication skills. The research process will be introduced and a five paragraph essay completed.

122 Literature and Composition 2 – Grade 10 1 credit

This year-long course provides instruction in composition, grammar and literature. It covers the following areas of the English curriculum: interpretation of a variety of literary genres including myths, novels, nonfiction and poetry; the writing process, including both grammar and composition; and the research process.

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. It covers the following areas of the English curriculum: interpretation of a variety of literary genres including myths, novels, nonfiction and poetry; the writing process, including both grammar and composition; and the research process. 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 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.

131 Essentials of American Literature – Grade 11 1 credit

This course provides a chronological approach to American literature and is designed to help the student understand and appreciate the major writers from pre-1492 to the present, their works, and the various genres in which they expressed themselves. The course stresses reading comprehension and study skills, strengthening written communication skills, and reviewing of grammar principles as they relate to the writing process. A research paper may be required.

135 American Literature and Composition – Grade 11 1 credit

This course provides a chronological approach to American literature and is designed to help the student understand and appreciate the major writers from pre-1492 to the present, their works, and the various genres in which they expressed themselves. The course stresses reading comprehension, writing with emphasis on the moderate length essay, the research process, and review of grammar principles as they relate to the writing process. A research paper is required.

162 Honors American Literature and Composition* – Grade 11, college credit, plus 0.5 weight 1 credit

This year long course teaches the writing skills necessary to approach college writing assignments with competence and confidence. Students will write numerous essays using the basic strategies of Definition, Narration, Persuasion and Description, while learning to apply these to topics ranging across the curriculum. In addition, students will compose a College Application essay. The spring semester focuses on the literary analysis of major American works. Students are expected to understand MLA format and college-level writing expectations. This advanced college credit course satisfies the requirements for St. Louis University's ENGL

1500: The Process of Composition (3 hours) in the fall semester and ENGL 2350: Faith, Doubt, and Literature (3 hours) in the spring semester. Fees for college credit will be paid directly to the university. Prerequisite: 90th percentile in English and Reading on the most recent standardized testing and an A in 122 or an A/B in 123.

154 World Literature – Grade 12

0.5 credit

This semester course expands the literary and cultural awareness of students by focusing on literature from parts of the world less commonly studied. Classroom discussions, student essays, quizzes, and tests will require the students to think critically about the material. Students will write multiple essays. Students will also have the opportunity to work through the revision process.

155 Science Fiction – Grade 12

0.5 credit

This semester course discusses science fiction in different forms such as novels, short stories, and films. Students will be assigned specific science fiction texts and a project based on a text of their choice. Classroom discussions, student essays, quizzes, and tests will require the students to think critically about the material. Students will write multiple essays. Students will also have the opportunity to work through the revision process.

156 21st Century Novels – Grade 12

0.5 credit

This semester course asks students to engage with contemporary novels to recognize and understand 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.

158 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 multiple essays. 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 course involves readings from various genres and periods. The course will include frequent writing assignments and class discussions. Students work through open-ended questions. This advanced college credit course satisfies the requirements for St. Louis University’s ENGL 1900: Advanced Strategies of Research and Rhetoric (3 hours) in the fall semester and ENGL 2250: Conflict, Gender and Identity (3 hours) in the spring semester. Payment is made directly to the university. Prerequisite: 90th percentile in English and Reading on the most recent standardized testing and an A in 135 or A/B in 162.

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, college credit

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. This advanced college credit course satisfies the requirements for St. Louis University's ENGL 2750: Film, Culture, and Literature (3 hours) course. . Prerequisites for this course include a 3.0 GPA. Payment is made directly to the university.

971 Leadership – Grades 11, 12, college credit

0.5 credit

This elective course focuses on Sean Covey's bestseller, *The 7 Habits of Highly Effective Teens*. Students will explore the belief that leaders are developed, not born. Activities include reading and reflecting on leadership 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 an outside agency. Students should expect frequent reading and writing projects. This advanced college credit course satisfies the requirements for Drury University's LDST 260 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.

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. This course requires extensive out of class work including frequent attendance at extracurricular activities to photograph and gather details about a variety of school-related activities. Prerequisite: application, teacher recommendations and 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

(Practical Art)

1 credit

This class 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. Furthermore, Yearbook II promotes increased involvement and responsibility in the process and production of the yearbook including staff motivation, leadership, and team building, as well as enhancing the sales and marketing techniques of the yearbook.

This course is designed for the highly-motivated student who is interested in assuming increased responsibility, developing decision-making skills and providing leadership in the overall process of yearbook production. As in

Yearbook I, this course requires being present periodically at extracurricular events to photograph and gather details about a variety of school-related activities. Prerequisite: Yearbook I and teacher approval.

904 Journalism II -Grades 11, 12

(Practical Art)

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 so as to give an accurate report. Prerequisite: 901 Journalism 1 and teacher approval.

SOCIAL STUDIES CURRICULUM
Graduation requirement – 3 years

| Course Title | 9 | 10 | 11 | 12 |
|-----------------------------------|---|----|----|----|
| 215 Civics | X | | | |
| 218 Geography and World Cultures | X | | | |
| 221 Introduction to World History | | X | | |
| 222 World History | | X | | |
| 224 Honors Big History* | | X | | |
| 231 Introduction to U.S. History | | | X | |
| 232 U.S. History | | | X | |
| 262 Honors U.S. History* | | | X | |
| 237 Psychology | | | X | X |
| 238 Sociology | | | X | X |
| 239 Contemporary Issues | | | X | X |
| 241 Economics | | | X | X |
| 243 American Government | | | X | X |
| 245 Psychology II AP* | | | | X |
| 265 Modern European History* | | | X | X |

215 Civics – Grade 9

0.5 credit

This course is an introduction to the study of national, state, and local governments. The graduation requirements for the U. S. and Missouri Constitutions are met. Other topics include citizenship 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.

218 Geography and World Cultures – Grade 9

0.5 credit

This survey course covers the basic concepts of physical and cultural geography. A major objective of this course is to develop student understanding of a multicultural world, to appreciate the influence of geography on the culture, economics, and way of life in the diverse regions of the world. Students will develop skills in organizing materials, processing information and communicating findings.

221 Introduction to World History – Grade 10

1 credit

This course is a study of world civilizations and culture with an emphasis on continuity and causality. The focus is on building a student's awareness of the increasing interdependence of the world's people, cultures, and nations. This course also provides many opportunities for the student to improve reading and written

communication skills. Teaching methods and materials will be adjusted to those students who have had difficulty in reading comprehension and written communication.

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, plus 0.5 weight

1 credit

This honors level course has students engage in critical thinking, reading, writing, and discussion on the major concepts and themes of world history and the universe. Students will conduct interdisciplinary investigations and research projects around problems from history to the present and evaluate potential challenges for the future of human history. Prerequisite: Composite of 90th percentile on the most recent standardized testing in Reading and a 90% in a freshman social studies class.

231 Introduction to U. S. History – Grade 11

1 credit

This is a survey course of United States history from the American Revolution to the present. Topics include various social, economic, geographical, and political developments that have shaped United States history and culture. Students will use selected readings to view the events and institutions of United States history. This course also provides many opportunities for the student to improve reading and written communication skills. Teaching methods and materials will be adjusted to those students who have had difficulty in reading comprehension and written communication.

232 U. S. History – Grade 11

1 credit

This is a survey course of United States history from the American Revolution to the present. Topics include various social, economic, geographical, and political developments that have shaped United States history and culture. Students will use selected readings to view the events and institutions of United States history. This course also provides many opportunities for the student to improve reading and written communication skills.

262 Honors U. S. History* – Grade 11, college credit, plus 0.5 weight

1 credit

This course is a study of the social, economic, and political development of the United States. Through the extensive use of primary sources and research, students will interpret events and institutions in U.S. history for the impact on its history and culture. This course also provides many opportunities for the student to improve reading and written communication skills. This honors college credit course satisfies the requirements for the University of Missouri – St. Louis HIST1001: American Civilization to 1865 (3 hours) and HIST1002: American Civilization 1865 to present, (3 hours) courses. Prerequisite: 90th percentile in reading on the most recent standardized testing and a 90% average in 222/224. . 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 Psychology II AP* – Grade 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: 80% in English and Reading in the most recent standardized testing.

243 American Government – Grade 11, 12

0.5 credit

This semester course is a study of American government and the student's role in it. With the use of text, primary sources, and current events, students analyze their government and interpret its effectiveness. Topics include constitutional influences, civil rights, civil liberties, policymaking, and the political process.

265 Modern European History* – Grades 11, 12, college credit, plus .05 weight

0.5 credit

Beginning with 1715 through 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.

WORLD LANGUAGE CURRICULUM

| 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 |
| 375 French 1 | 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 |

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.

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 in beginning Spanish, 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. The class will provide an accelerated learning environment to the highly motivated beginning Spanish student. Prerequisite: ELA score on ITBS of 90th percentile and previous completion of a world language 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 and their knowledge of the Hispanic culture. Prerequisite: C or above in 365 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. Additionally, their knowledge of the cultures of the Spanish-speaking world will increase through higher-level lessons, activities and projects. Prerequisite: A or above in 365 Spanish 1 or A/B or above in 366 Honors Spanish 1. 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 covered is the equivalent of a first semester college course in Spanish composition and conversation. Students achieve greater fluency through meaningful communicative activities, creative compositions and cultural readings. The grammatical structure of the language is more intensely studied. 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: A/B in 368 or 90% in 367.

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

Material covered 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. 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: A/B in 382.

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

Students acquire the foundation of fluency in the French language. 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. Global awareness is enhanced through the study of the cultures of French speaking populations in 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. Integrated technology tools offer exposure to culturally relevant material for awareness of customs and current events in the French-speaking populations in 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. 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 in North and South America, the Caribbean, the South Pacific, Asia, Africa and Europe. Prerequisite: A in 375 French 1 and/or teacher approval.

393 Honors French 3* - Grades 10, 11, 12, college credit, plus 0.5 weight 1 credit

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. 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.

394 Honors French 4* - Grades 11, 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 appreciation for the diversity of French speakers. 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.

MATHEMATICS CURRICULUM
Graduation requirement – 3 years

| Course Title | 9 | 10 | 11 | 12 |
|--------------------------------------|---|----|----|----|
| 411 Introduction to Algebra 1 | X | | | |
| 412 Algebra 1 | X | | | |
| 413 Honors Algebra 1* | X | | | |
| 421 Introduction to Geometry | | X | X | |
| 422 Geometry | | X | X | |
| 423 Honors Geometry / Trigonometry* | X | X | | |
| 432 Algebra 2 | | X | X | X |
| 433 Honors Algebra 2 / Trigonometry* | | X | X | X |
| 435 Statistics | | | X | X |
| 442 Math Topics | | X | X | |
| 448 College Algebra | | | X | X |
| 449 Honors Pre-Calculus* | | | X | X |
| 462 Honors Calculus* | | | | X |

411 Introduction to Algebra 1 – Grade 9

1 credit

This course is designed to strengthen arithmetic skills (with and without a calculator) and provide a survey of the algebraic concepts of simplifying expressions, solving equations, and graphing linear equations.

412 Algebra 1 – Grade 9

1 credit

This course gives an understanding of the basic structure of algebra. Algebraic concepts include linear and simple quadratic equations; graph simple linear, exponential, absolute value, and quadratic equations; variable inequalities, scientific notation, systems of equations, monomials, polynomials and probability problems.

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

1 credit

This course gives an understanding of the basic structure of algebraic concepts, linear and simple quadratic equations, graph equations, variable inequalities, scientific notation, system of equations, simple probability problems, monomials and polynomials, quadratic graphs and functions, and quadratic equations. Prerequisite: 90th percentile or higher in math on the most recent standardized testing and A/B in the last math class

421 Introduction to Geometry – Grade 10

1 credit

This course is designed to develop habits of clear thinking and careful observations with a less rigorous treatment than Math 422 (Geometry). The language of geometry is stressed and many relationships and properties are discovered and studied. The basics of logical thought and reasoning are introduced in this course.

422 Geometry – Grades 10, 11

1 credit

This course studies points, lines, planes, triangles, polygons, circles, areas and volumes. By studying postulates and theorems, students develop inductive and deductive thinking skills needed to solve many of the 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, circles, areas, volumes, two column deductive proofs, indirect proofs, trigonometric relationships, special triangles and geometric probability. Students will be required to use more algebra in this class to solve problems than is required in 422. 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.

432 Algebra 2 – Grades 10, 11, 12

1 credit

This course extends the algebraic concepts developed in Algebra I. Students will also graph and solve quadratic, polynomial, exponential, rational, logarithmic, and radical functions. Communication of algebraic ideas orally and in writing and problem-solving strategies are developed. Prerequisites: Successful completion of an approved high school Algebra 1 program and with teacher/counselor approval for dual math courses.

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 quadratic, polynomial, exponential, rational, logarithmic, and radical functions; the study of trigonometric functions, graphs of trigonometric functions, trigonometric identities, conic sections; and sequences and series. Prerequisite: 90th percentile in math on the most recent standardized testing, an A in Geometry 422 or an A/B in Honors Geometry/Trig 423, and an A assessment average in 422/423. If this course is taken simultaneously with Geometry 422 or Honors Geometry 423, then requirements include 90th percentile in math on most recent standardized testing, 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

0.5 credit

Using real world situations and application, this course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Relationships between variables and randomness and probability will be introduced. Prerequisite: Successful completion of 432/433 Algebra 2.

442 Math Topics – Grades 10, 11

1 credit

Students will refresh the study of algebraic topics begun in Algebra 1. Calculators will be used extensively. Some Algebra 2 topics, such as factoring polynomials, solving equations and inequalities, and graphing functions will be discussed. Applying mathematical understanding to daily encounters with numbers will be stressed.

448 College Algebra – Grades 11, 12, college credit

1 credit

This is a course leading toward 3 hours of college credit from Truman State University. Topics covered include real numbers, integer and rational exponents, polynomials, linear equations and inequalities, Cartesian coordinates, functions (quadratic, rational, exponential, and logarithmic), inverse and direct variation, polynomial division, Fundamental Theorem of Algebra, and solving systems of equations. Students are required to have a non-graphing calculator on the first day of class through the entire course. This advanced college credit course satisfies the requirements for Truman State University's MATH 156: College Algebra (3hours) course. Prerequisite: B or better in 432/433. Payment is made directly to the university.

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

1 credit

Topics covered include all concepts from College Algebra including triangle trigonometry and its applications; trigonometric and inverse trigonometric functions; trigonometric identities and equations, function graphing, as well of the Law of Sines and Cosines. This advanced college credit course satisfies the requirements for

University of Missouri - St. Louis MATH 1045 Pre-Calculus (5 credit hours). Prerequisite: A- or better in 432/433. 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.

SCIENCE CURRICULUM
Graduation requirement – 3 years

| Course Title | 9 | 10 | 11 | 12 |
|--|---|----|----|----|
| 521 Introduction to Biology | X | | | |
| 522 Biology | X | X | | |
| 523 Honors Biology* | X | | | |
| 531 Introduction to Chemistry | | X | X | |
| 532 Chemistry | | X | X | |
| 533 Honors Chemistry* | | X | X | |
| 534 Honors Chemistry II* | | | X | X |
| 535 Earth and Physical Science | | X | X | |
| 536 Investigative Sciences | | | X | X |
| 537 Environmental Science | | | X | X |
| 540 Human Anatomy & Physiology | | | X | X |
| 542 Physics | | | X | X |
| 562 Honors Human Anatomy & Physiology* | | | X | X |
| 564 Honors Physics* | | | X | X |

521 Fundamentals of Biology – Grade 9

1 credit

This course is a study of living organisms, their basis of life, need for and use of energy, patterns of behavior and fundamental life processes. Students develop laboratory skills through investigative activities and learn ecological concepts with a focus on understanding and stewardship of the complex, changing environment in which they live. Placement is dependent on English and Math level.

522 Biology – Grade 9, 10

1 credit

This course is the study of living things. Science as inquiry is studied. 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* – Grades 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 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; and/or A/B in English 113 or A in English 112.

531 Introduction to Chemistry – Grades 10, 11

1 credit

This practical course in chemistry puts an emphasis on chemistry in everyday life and understanding how chemistry influences and can help solve problems in our daily lives. Laboratory exercises and experiments explain the basic concepts of chemistry. Concepts covered are an introduction to matter and its states, the periodic table, atomic structure and bonding, solutions, acids and bases, and understanding basic chemical reactions. Discussion is on current scientific problems and concerns such as water pollution, radioactivity and nuclear chemistry, and alternate energy source. Placement is dependent on English and Math levels.

532 Chemistry – Grades 10, 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 Algebra 412.

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 Biology; 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 II* – Grade 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), thermo chemistry, 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/B in Honors Algebra 2 or A in Algebra 2. Advanced placement test is available for students who take this class.

535 Earth and Physical Science – Grade 10, 11

1 credit

This course explores the concepts of the history and nature of science. Topics include an introduction to the fundamental concepts of physics, astronomy and earth science with classroom instruction, projects, and laboratory experiments. Students are encouraged to explore the relationship between science and everyday life.

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.

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 Chemistry 532/533.

542 Physics – Grades 11, 12

1 credit

This rigorous course provides students with the basic concepts and principles of physics. Topics include velocity, acceleration, energy, momentum, forces, sound, light, and electricity. Prerequisites: Concurrent enrollment in 449 Honors Pre-calculus or higher

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* – Grades 11, 12, plus 0.5 weight

1 credit

This demanding course is math-based and studies the laws of motion, energy, dynamics, machines, heat, hydraulics, electricity, waves, light, and optics. Prerequisite: Concurrent enrollment in 449 Honors Pre-calculus or higher, an A/B in 533 Honors Chemistry. Advanced placement test is available for students who take this class.



| Course Title | 9 | 10 | 11 | 12 |
|--|---|----|----|----|
| 771 Computer Science Essentials | X | X | X | |
| 770 Computer Science Principles | | X | X | X |
| 776 Cybersecurity | | | X | X |
| 980 Introduction to Engineering Design | X | X | X | |
| 981 Principles of Engineering | | X | X | 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, blockbased programming and seamlessly transition to text-based programming with languages such as Python® to create apps and develop websites, and learn how to make computers work together to put their design 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.

770 Computer Science Principles (CSP) AP – Grades 10, 11, 12 (Practical Art) 1 credit

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. This course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and world. This course aligns with the AP Computer Science Principles course. Prerequisite: successful completion of 771.

776 Cybersecurity - Grades 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.

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. The course assumes no previous knowledge, but students should be concurrently enrolled in Geometry and an upper level science. 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: Grade of B or higher in Algebra 1 412, strong reading and comprehension skills.

981 Principles of Engineering— Grade 10, 11, 12 (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 post-secondary 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. College credit available. Prerequisite: Grade of B or higher in Algebra I (412 or 413) and successful completion of 980 Introduction to Engineering Design, strong reading and comprehension skills.

VISUAL AND PERFORMING ARTS CURRICULUM
Graduation requirement – 1 year of Fine Art

| 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 | | |
| 631 Beginning Band | X | 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 | | |
| 640 Theatre Appreciation | | | X | X |
| 647 Improvisation | X | X | X | X |
| 649 Actor's Studio I | X | X | X | |
| 650 Actor's Studio II | | X | X | X |
| 651 Theatre Design and Technology | | X | X | X |
| 653 Advanced Studio/Directing Theatre | | | X | X |
| 658 Debate/Drama | | | X | X |
| 970 Communications: Speech and Presentations | X | 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, 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 the creative use and integration of color theory, mixed media, and elements of two-dimensional design: line, form, space, texture. Formulaic solutions to problems are discouraged. This advanced college credit course satisfies the requirements for University of Missouri-St. Louis's STUDIO ART 1150: DESIGN I (3 credits) course and STUDIO ART 1151: DESIGN II (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. 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, and be required to write a research paper each semester. 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 the piano. Students are introduced to basic music theory and history.

631 Beginning Band – Grades 9, 10, 11 1 credit

This course will teach students how to play a band instrument, with the understanding that the student would enroll in Concert Band the following year (or semester). This would be ideal for students who have never played an instrument, as well as for students who want to learn to play a different instrument than the one they currently play. Students can use their own instrument, rent an instrument from a music store, or use a school-owned instrument for a yearly fee of \$50. Prerequisite: Approval of the instructor.

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 student 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 be enrolled 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.

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.

640 Theatre Appreciation - Grades 11, 12

0.5 credit

Theatrical performance, theatre history and various theatre genres will be examined and compared in various forms, including script, recorded performance, and live performances by theatre groups in the region as well as at St. Dominic. Activities include how theatre differs from other media, and how the various genres of plays and musicals, to create a deeper understanding of live performance. This course will develop and appreciation of theatre, playwrights, and actors. Attendance of a St. Dominic production is required during the semester.

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 Evening of the Theatre.

650 Actor's Studio II – Grades 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 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 performance 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 crew for a school production. Prerequisite: Intro to Theatre 644.

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 for the first time will create a portfolio that can be used in college and/or professional theatre auditions. Students have an option of selecting an area of emphasis – performing or directing. 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.

658 Debate/Drama – Grades 11, 12

0.5 credit

This course is an introduction to argumentation and debate. Students will be expected to construct and present arguments in both a public speaking and debate format. The goals of this course are to enhance student's critical thinking skills and to develop proficiency in generating and constructing effective arguments. Throughout this course, students will analyze text, create and deliver orations, create and deliver arguments, analyze literature, make verbal presentations to an audience, and evaluate and critique performances. Students are introduced to and utilize novice-level research, argumentation, questioning, and rebuttal skills. Students may have the opportunity to participate in local and state level Speech and Debate (Forensic) competitions.

970 Communications: Speech and Presentation – Grades 9, 10, 11, 12

0.5 credit

This elective 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 for this course.

BUSINESS/COMPUTER SCIENCE CURRICULUM
Graduation requirement – 1 year of Practical Art

| Course Title | 9 | 10 | 11 | 12 |
|-------------------------------------|---|----|----|----------|
| 754 Applications of Technology | X | X | X | |
| 733 Intro to Business | X | X | | |
| 735 Accounting 1 | | | X | X |
| 739 Personal Financial Management + | | | | required |
| 740 Personal Financial Management + | | | | required |
| 745 Entrepreneurship | | | X | X |
| 762 Honors Accounting 2* | | | | X |

+ Please note – only one of these two courses is required.

754 Applications of Technology – Grades 9, 10, 11 Practical Art 0.5 credit

Students will learn to apply various technology options for electronic communication, word processing, presentation and spreadsheet creation. Students will use the Office Suite, iPad applications and websites to prepare documents and presentations. The elements of digital citizenship will be incorporated.

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.

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 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.

740 Personal Financial Management – Grade 12, college credit Practical Art 0.5 credit

This college credit semester course is designed to cover the same concepts of money management, banking, credit, investing and insurance as 739. This course satisfies the requirements for the Missouri State University – FIN 150 (3 hours). Prerequisites for college credit: unweighted GPA of 3.0. Payment is made directly to the university.

745 Entrepreneurship – Grades 11, 12

Practical Art

0.5 credit

This course will teach the principles of starting a business through creating a business plan, financing a business, legal aspect, human resources, marketing and management.

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. This Advanced college credit course satisfies the requirements for Missouri Baptist University's ACCT 213: Principles of Financial Accounting (3 hours) course. Payment is made directly to the university. Prerequisite: A/B in Accounting 1.

PHYSICAL EDUCATION/HEALTH CURRICULUM
Graduation requirement – Physical Education and Health

| 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 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 team sports and individual sports. Teamwork, group spirit, and respect for individual differences are emphasized. Activities include softball, volleyball, soccer, football, basketball, 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, pickle ball, 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.