



ST. MICHAEL *the* ARCHANGEL CATHOLIC HIGH SCHOOL

KNOW TRUTH | LOVE GOD | SERVE OTHERS

Course Catalog
2018-2019

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MISSION STATEMENT

Through Jesus Christ, St. Michael the Archangel Catholic High School calls young men and women to embrace their God-given gifts in order to know truth, love God and serve others as His brave and humble disciples.

VISION

By the grace of God our Father, St. Michael the Archangel High Catholic School is a passionately Catholic academic community that, through the Holy Spirit, welcomes and forms heroically virtuous disciples by daily living encounters with Jesus Christ.

COMMITMENT TO EXCELLENCE

Catholic schools in the Diocese of Kansas City ~ St. Joseph are accredited, safe and staffed with certified instructors. As a commitment, the diocesan schools are distinctly Catholic, academically excellent, and committed to service. St. Michael the Archangel Catholic High School is a Catholic, diocesan, co-educational high school providing students 9th through 12th grade a Christ-centered, safe environment in which to excel academically and to grow spiritually.

SMA curriculum is rooted in traditional Catholic values and committed to evangelization and discipleship of our Catholic Faith. Our instructors and administration have a passionate desire to teach our students to *know truth, love God, and serve others*.

GRADUATION REQUIREMENTS

SMA students must earn 27 credits to qualify for graduation. Specific course requirements are indicated in the Graduation Requirements Table in this section. For reference, comparative graduation requirements for various colleges are also provided.

GRADUATION REQUIREMENTS TABLE				
Course Requirements	SMA (27 credits required)	Competitive Private University (e.g., Notre Dame)	Missouri University System (e.g., MU, UMKC)	Missouri Public or Four-Year University (e.g., UCM, MSU)
Theology	4	0	0	0
English	4	4	4	4
Math	4	4	4	3
Science	3	4	3	3
Social Studies	3	3	3	3
World Language <small>(2 credits of the same language)</small>	2	4	2	0
Fine Arts	1	1	1	1
Practical Arts (Business Technology)	1	1	1	.5
Physical Education	1	1	1	1
Health	.5	.5	.5	.5
Electives	3.5	Requirements Vary	3 credits from WL or CC	Requirements Vary
Additional Requirements	100 service hours	Requirements Vary	Minimum ACT score of 24	Requirements Vary

- AOHS students have the option to follow the AOHS graduation requirements. AOHS requirements are different in Math, Social Studies, and World Language.
- Transfer students, must have an official transcript on file with SMA prior to enrolling. A student with 7 transferable credits is designated as a sophomore. A student with 13 transferable credits is designated as junior.
- SMA only accepts senior transfers when a family moves into the area.
- One credit of Physical Education may be earned by actively participating in two full seasons of SMA athletics.
- In order to fulfill the Missouri personal finance requirement, students must take Personal Finance (½ credit).
- Students must pass Theology in order to advance to the next grade level.
- Twenty-five service hours must be completed each year to advance to the next grade level.

SMA TECHNOLOGY MISSION STATEMENT

St. Michael the Archangel Catholic High School is committed to helping students *know truth, love God, and serve others*. Faculty and staff are dedicated to creating a 21st century learning environment rooted in our Catholic faith and values. Technology at SMA is infused in our daily lives to help promote an environment of discovery that fosters *digital responsibility, personalized learning, and to help students become independent self-directed learners*.

Digital Responsibility

- Catholic Faith
- Faith Based Learning, Mission Focused
- Dignity of the Human Person
- Director of Technology and Dean of Students - student accountability
- Technology Use Agreement
- Student Handbook
- Technology Free Zone (lunch)
- Health and Wellness Programing in Theology and PE courses

Personalized Learning

- Community House System - Leadership Program
- Age specific retreat program
- Advanced Placement Program - Dual Credit Opportunities (MCCKC, Rockhurst University, and UMKC)
- Regular course Options
- Learning Academies – *PLTW, Aviation, Healthcare, Business and Technology, Human Services*
- National Honor Society
- Inclusive Education Program - Options Program
- Christian Stewardship Program - 25 hours of Service in a different service area of choice each year before graduation (100 total)
- Flipped classroom experience in core courses
- A+ Program
- Diocesan school - placement exam given not “entrance exam”, all abilities welcomed
- Extracurricular activities - Athletics, Performing Arts, Visual Arts, Clubs and Activities

Independent Self Directed Learners

- 1:1 Technology Program
- Block Schedule
- Electronic organizational tools on Apple Device
- Physical Layout of School - Collaborative Learning Spaces, Learning Stairs, Commons Area, Genius Bar
- Distance Learning Program (possible world language option)
- Google Classroom
- Power School
- School Website for daily communication and announcements
- Mission Trips - International, Domestic, March for Life (Washington DC)

GENERAL ENROLLMENT INFORMATION

The SMA Course Catalog provides parents and students with important information regarding learning opportunities and course selections. Each year programs and course selections are modified based upon student interest and school enrollment. Please note that listed courses may not be offered due to lack of student interest or insufficient enrollment. Course selections for the upcoming school year are made online during second semester of the current year. All of the information contained within the SMA Course Catalog is true and accurate at the time of publication; however, due to unforeseen circumstances some information may become inaccurate. Fees, requirements, and other circumstances may alter with time. For the most current information, contact school administration.

ACADEMIC SUCCESS

St. Michael the Archangel Catholic High School provides academic programs designed for individual success. Learning challenges are faced through individualized support and collaborative efforts.

Satisfactory academic progress is required for continued enrollment at SMA. Eligibility for participating in sports and other extracurricular activities are detailed in the SMA Student Handbook and the SMA Athletic Handbook. In order to achieve satisfactory academic progress, students must meet or exceed the following criteria:

- 6 credits and 25 verified service hours prior to starting the sophomore year
- 13 credits and 50 verified service hours prior to starting the junior year
- 20 credits and 75 verified service hours prior to starting the senior year
- 27 credits and 100 verified service hours for graduation

St. Michael Inclusive Learning Enhancement (SMILE)

St. Michael the Archangel Catholic High School is committed to assisting every student's academic, spiritual, and social growth. Careful selection of courses assists in preparing students for life after high school. Meeting students' needs is essential and resources are limited; therefore, the number of students accepted into the SMILE program must be limited. Parents with concerns about their son/daughter's needs must contact our Administration to discuss SMILE. We are committed to making accommodations necessary for each student's success.

Accessing Academic Information

Grades, attendance, and conduct reports may be viewed via PowerSchool. Login information may be obtained from the Registrar's office. All tests, projects, and assignments may be viewed via Google Classroom. SMA reports grades as percentages and does not assign letter grades.

Semester grades and GPA may be accessed online. Report cards are not printed by SMA. Students are not ranked. All official transcripts are the property of St. Michael the Archangel Catholic High School. A student may request an unofficial copy of their transcript from the Registrar's office for a \$10 fee. Official transcripts are sent directly to college from the Registrar's Office free of charge.

Failing Grades

For each semester passed, students receive ½ credit toward graduation. Students do not receive credit toward graduation for any failing grades. Any credit shortages must be obtained through an Administration pre-approved alternative method. Administrative approval must be requested and granted prior to the student starting the alternative course. It is at the discretion of Administration to determine if the alternative course meets SMA requirements. Generally, courses offered by the local school districts and area Catholic high schools are preferred. Students are not allowed to repeat a course failed the first semester during the second semester of the same year. If a student fails a 2nd semester course in the world language, mathematics or chemistry they must repeat the entire year or take summer school to recover the credit. Students cannot start a core course second semester.

At the discretion of Administration students who fail the first semester of a yearlong course but pass the second semester with 75% or higher grade may still receive credit for the course. Consideration for this exception depends upon the course and verification that it would not be possible to earn a 75% second semester unless the work of the first semester had been learned. Courses generally meeting these criteria are world language, mathematics and science.

Seniors who do not attain the required credits are not allowed to participate in the graduation ceremony. Rare exceptions may be granted by Administration. Exceptions must be requested in writing and include a specific plan for completing graduation requirements.

Academic Watch Program

The goal of the Academic Watch Program is to improve academic success. Students with two or more grades below 70% are placed on Academic Watch. This designation alerts the students, parents, and instructors regarding the academic needs of the student as well as the need to closely monitor progress. Conferences with the student, parents, and instructors and tutoring are highly recommended, which are considered by administration should Academic Probation result. Students on Academic Watch are not eligible for participation in sports, interscholastic programs, or other extracurricular activities.

Academic Probation Program

The goal of the Academic Probation Program is to help students stay on track for graduation. Failing two or more semester courses places a student on academic probation. Students on Academic Probation are not eligible for participation in sports or other extracurricular activities. Students on academic probation who fail two or more subsequent semester courses are asked

to find alternative education. Conferences with the student, parents, and instructors are required. Active conference participation and tutoring efforts are considered by Administration when reviewing imposed consequences.

Schedule Changes & Withdrawing From Courses

Courses are offered based upon students' needs and interest. Careful and accurate course selection is essential for students to create a diverse and enriching academic experience. Great care is also taken by Administration when determining which courses to offer. Budgets and staffing decisions are determined by enrollment. To remain academically sound and financially responsible, course change requests are based upon the following criteria:

- Requests to add, drop, or change courses that are made on or before the "Last Day for Course Changes" as indicated on the current school calendar can be made without a fee. This date is usually at least two weeks prior to the first day of school for the current academic year.
- Requests to add, drop, or change courses that are made within the first two weeks of the current academic year must be approved by the counselor or Administration and pre-payment of a \$25 late change fee. Late changes are only granted for serious academic reasons.
- Requests to add, drop, or change courses that are made more than two weeks after the beginning of the current academic year are rarely granted. These requests must be submitted to Administration and have the written consent of the instructors involved or the counselor. Administration reserves the right to deny these requests.

ADVANCED PLACEMENT

All courses at SMA are designed to challenge each student and to foster passion for lifelong learning. *Pre-Advanced Placement Honors* (Pre-AP Honors) courses are intended for those students who show an aptitude and a willingness to diligently pursue various subjects in-depth. Pre-AP Honor Courses move at an accelerated pace with less pre-teaching and review. Similar to AP courses, students receive an additional 5% weighted semester grade. SMA instructors provide recommendations for 9th grade Pre-AP Honors courses based on HSPT scores. Enrollment in Pre-AP Honors courses is not required. Pre-AP Honors course requirements and prerequisites are noted under the course descriptions for all courses.

The Advanced Placement (AP) program is an internationally recognized standard of academic excellence. AP courses are college level courses taught by SMA instructors during the regular school day. AP courses are offered to juniors and seniors. Although not required for AP courses, Pre-AP Honors coursework provides critical alignment with AP course success. AP courses receive an additional 5% weighted semester grade. AP course requirements and prerequisites are noted under the specific course descriptions.

At the discretion of the university or college and depending upon the student's score on the AP Exam, students may be granted college credit upon graduation from St. Michael the Archangel

Catholic High School. AP Exams are administered at SMA in May and are scored by the Educational Testing Service. The cost per exam fluctuates each year and is collected with tuition through the business office. Student enrolled in an AP course, must take the AP exam.

- Typically, students who master AP curricula are hard-working and dedicated to excellence. □
- AP enhances student's opportunities for scholarships and career possibilities.
- AP enhances student's opportunities to receive admission into recognized universities and postsecondary programs.
- AP may reduce college costs and the time required to obtain a degree by providing postsecondary credit for courses and examinations completed successfully.

CHRISTIAN STEWARDSHIP PROGRAM

All students participate in the Christian Stewardship Project (CSP) each year. For the CSP, students must complete at least 25 community service hours. CSP participation constitutes 10% of each student's Theology grade. Information about this program and its requirements are sent home in the fall by the Theology instructor.

COLLEGE ADMISSIONS

All Universities and Colleges have specific requirements and admission standards. Please refer to the chart on page 3 for examples of local Missouri College requirements. Students should pay close attention to the admission requirements of any college they might be interested in. Refer to the university's website for a complete list of necessary requirements.

DUAL CREDIT

Through partnerships with the Metropolitan Community College of Kansas City (MCKC), Rockhurst University, and the University of Missouri of Kansas City (UMKC), SMA is proud to offer a variety of dual credit courses. Generally, the following courses are planned to be eligible for dual credit:

- Business Communications (MCKC)
- College Algebra (UMKC)
- Pre AP Honors Chemistry (UMKC)
- AP Biology (Rockhurst)
- Honors Spanish 4 (UMKC)
- Honors Spanish 5 (UMKC)
- Honors French (UMKC)

MCKC requires students either a composite score of 18 on the ACT or 92 on the Accuplacer writing component. Information regarding the ACT can be found under the *Testing* heading of this catalog. The Accuplacer is administered by MCKC free of charge. Sophomores, juniors, and seniors with a cumulative GPA of 3.0 are eligible. Juniors and seniors with a cumulative

GPA of 2.5 through 2.99 are eligible with signed consent from the SMA counselor or principal. The MCKC fee for 3 credit hours for students living within the MCKC district is \$142.50. The cost for students who live outside the district \$262.50. For additional information, please read the specific course descriptions provided in this catalog, visit the MCKC website www.mckc.edu/high-school-info/dual-credit.aspx, and contact a Business Technology instructor to discuss program details. Please do not apply for enrollment using the MCKC website until instructed to do so by SMA.

Requirements and cost information for Rockhurst University and UMKC will be announced at a later date. For information regarding dual credit at Rockhurst University, please contact a World Languages instructor. For additional information regarding dual credit at UMKC, please contact the applicable Mathematics or Science instructor. Generally, UMKC requires students to have a cumulative GPA of 3.0 or an ACT composite score of 21 for dual credit.

HERNDON CAREER CENTER

Raytown School District in cooperation with five other area school districts, supports and operates the area career and technical center. The five participating school districts include: Center 58, Grandview C-IV, Hickman Mills C-I, Independence 30, and Lee's Summit R-VII. Within the six districts are eleven high schools: Center, Grandview, Lee's Summit, Lee's Summit North, Lee's Summit West, Raytown, Raytown South, Ruskin, Truman, Van Horn, William Chrisman, and Saint Michael the Archangel Catholic High School.

Students attending Herndon Career Center are designated by their high school to participate in a specific academic and technical skill-training program at Herndon Career Center. When possible, selection is based on sufficient aptitude to successfully complete the training, strong interest in the occupational area, a desire to seek employment upon completion of training, as well as, a satisfactory school attendance record, good disciplinary standing and successful academic preparation during high school and in conjunction with a personal plan of study. Programs include: Advertising & Graphic Design; Automotive Collision; Automotive Technology; Cosmetology; Industrial Engineering; Construction Trade; Emergency Medical Tech; Diesel Mechanics; Culinary Arts; Foundations of Nursing; Law Enforcement/Police Science; and Welding/Metal Fabrication.

“Herndon Career Center provides high-quality, in-demand workforce training, college preparation and entrepreneurial programs. Herndon Career Center keeps good citizenship and service central to the development of students.”

PROJECT LEAD THE WAY

Project Lead the Way (PLTW) Engineering and Computer Science courses are designed to help students apply science, math, engineering and technology skills to creatively solve complex, open-ended problems in a real-world context. PLTW is a nonprofit organization that provides a transformative learning experience for students and instructors across the United States. PLTW Engineering and Computer Science pathways create engaging classrooms where students are empowered to develop and apply in-demand, transportable skills by exploring real-world challenges. Students are encouraged to participate in PLTW courses to prepare them for postsecondary career decisions related to science, math, engineering and technology. St. Michael the Archangel Catholic High School offers one new PLTW course in Engineering and Computer Science each year until all programming is complete with the given career path.

STUDENTS INTERESTED IN COLLEGE ATHLETICS

Every student needs to take course selection, grade point average (GPA), and test score requirements seriously, including students considering any possibility of playing a sport collegiately. Beginning with ninth grade course selection, student athletes need to be prepared for future opportunities by carefully selecting courses, completing coursework, and tracking his/her GPA each semester. Collaboration among the student, family, counselor, coaches, and Athletic Office is crucial. Students and parents need to refer to the NCAA (www.eligibilitycenter.org) and the NAIA (www.playnaia.org) websites for current guidelines.

SUMMIT TECHNOLOGY ACADEMY

Summit Technology Academy (STA) is a shared campus of junior and senior students who come together for a half-day program as an extension of their home high school. Students seriously interested in science, technology, engineering and math (STEM) related careers in a global environment apply to attend the Academy. STEM-related careers encompass network engineering, software development, cyber security, health science, biomedical science, nursing, digital media, aerospace, mechanical, electrical and civil engineering, teacher preparation, and international studies.

The mission of STA is to challenge students to achieve their personal best. STA is a national model for innovation by providing rigorous and relevant opportunities for students. STA develops life-long problem solvers through a culture of inquiry and critical thinking. The students and staff exemplify creativity, professionalism, and leadership.

STA offers programs that blend classroom instruction with hands-on learning experiences. The teachers prepare high school students for their education journey while immersing them in their

chosen career path through a variety of on-site field experiences in local businesses, such as hospitals, city offices, engineering firms, data centers and biomedical labs.

STA is a pre-professional learning environment for high school students. It is operated by the Lee's Summit R-7 School District and is a member of an area wide consortium of school districts called the Career Education Consortium. All of the programs at STA are *Centers of Excellence* as designated by the Career Education Consortium. Sending districts pay tuition for students to attend Summit Technology Academy. It is a privilege and an honor to provide rigorous programs of study for all interested students.

TESTING

Standardized Testing by Grade Level		
Grade Level	Test	Details
8th Grade	HSPT	Required for admission
Freshman	ACT	Practice ACT
Sophomore	PSAT or ACT	Practice ACT or PSAT
Junior	PSAT or ACT	Practice ACT or PSAT in the fall ACT or SAT in the spring
Senior	ACT	ACT second attempt before November

College and career guidance is available for all students. The school counselor directs all testing programs. Standardized testing includes HSPT, PSAT, and yearly practice ACT exams. The PSAT is used as a qualifier for the National Merit Scholarship Program.

ACT Testing measures academic readiness for college and is required by many colleges. The score requirements vary so students must check with chosen college(s). Exploring the ACT website provides students and parents with important testing information and tips. In accordance with most college requirements, SMA students are required to take the ACT. Students register for the *Student ACT Test with writing* at www.act.org. Testing is administered at a third party location of the student's choosing. The registration fee is \$62.50 (at the time of publication), additional fees may also apply based upon individual requests. The St. Michael the Archangel Catholic High School code is 261668.

SAT Testing also measures academic readiness for college and is required by many colleges. The score requirements vary so students must check with chosen college(s). In addition to

offering the core test, SAT Subject tests in English, History, Languages, and Science. Exploring the College Board website provides students and parents with important testing information and tips. The registration fee for the SAT with essay is \$60 (as stated at the time this document was published), additional fees may also apply based upon individual requests. Subject tests cost an additional \$18-\$26 per test and may require an additional \$26 registration fee. Students register for SAT testing at <https://collegereadiness.collegeboard.org>.

LEARNING ACADEMIES

St. Michael the Archangel Catholic High School is committed to helping students to know truth, love God, and serve others in an environment centered on discovery. □ Students use their own talents, technology, and our entire community to explore multiple academic areas of interests. SMA graduation requirements are already designed to expose students to a wide range of content. The chart below can be used to help students choose core courses and electives related to a specific field of study. □ Students are not locked into one specific Learning Academy. They are encouraged to investigate multiple areas of study. □

Learning Academies			
Courses	Aviation Academy	Business Technology Academy	Human Services
Theology	4 Theology Credits	4 Theology Credits	4 Theology Credits
English	4 English Credits	4 English Credits	4 English Credits
Mathematics	4 Mathematics Credits Courses selections include Pre-Algebra, Algebra 1 & 2, Precalculus, Calculus, and College Math or Algebra	4 Mathematics Credits Courses selections include Pre-Algebra, Algebra 1 & 2, Precalculus, Calculus, and College Math or Algebra	4 Mathematics Credits Courses selections include Pre-Algebra, Algebra 1 & 2, Precalculus, Calculus, and College Math or Algebra
Science	3 Science Credits Elective: Meteorology & Astronomy	3 Science Credits Elective: Computer Science Essentials	3 Science Credits Elective: Anatomy & Physiology
Social Studies	3 Social Studies Credits	3 Social Studies Credits	3 Social Studies Credits Electives: Psychology Sociology
World Language	2 - 4 years World Language	2 - 4 years World Language	2 - 4 years World Language
Business	Building & Managing Personal Wealth (½ credit) ½ Credit Elective: Business Essentials	Building & Managing Personal Wealth (½ credit) ½ Credit Elective: Business Essentials	Building & Managing Personal Wealth (½ credit) ½ Credit Elective: Business Communications
Health & PE	PE & Health (+2 seasons sports participation)	PE & Health (+2 seasons sports participation)	PE & Health (+2 seasons sports participation)
Fine Arts	1 elective required	1 elective required	1 elective required
Electives	Introduction to Aviation Ground School Computer Science Essentials Introduction to Engineering Christian Leadership Independent Study Aviation Club	Global Business Essentials Business Computer Applications Business Communications Computer Science Essentials Christian Leadership Business Law Business Management Practicum	Peer Mentoring Introduction to Photography Child Development Speech/Forensics Christian Leadership Campus Ministry or Athletics TA Senior Project

Learning Academies Continued

Courses	Engineering/Industrial Tech	Healthcare	Performing Arts/Communications
Theology	4 Theology Credits	4 Theology Credits	4 Theology Credits
English	4 English Credits	4 English Credits	4 English Credits
Mathematics	4 Mathematics Credits Courses selections include Algebra 1 & 2, Precalculus, Calculus, and College Math or Algebra	4 Mathematics Credits Courses selections include Pre-Algebra, Algebra 1 & 2, Precalculus, Calculus, and College Math or Algebra	4 Mathematics Credits Courses selections include Pre-Algebra, Algebra 1 & 2, Precalculus, Calculus, and College Math or Algebra
Science	3 Science Credits Elective: AP Chemistry or Physics	3 Science Credits Elective: AP Biology or Chemistry & Anatomy & Physiology	3 Science Credits
Social Studies	3 Social Studies Credits	3 Social Studies Credits Electives: Psychology Sociology	3 Social Studies Credits Electives: Psychology Sociology
World Language	2 - 4 years World Language	2 - 4 years World Language	2 - 4 years World Language
Business	Building & Managing Personal Wealth (½ credit)	Building & Managing Personal Wealth (½ credit)	Building & Managing Personal Wealth (½ credit)
	½ Credit Elective: Business Essentials	½ Credit Elective: Business Essentials	½ Credit Elective: Business Communications
Health & PE	PE & Health (+2 seasons sports participation)	PE & Health (+2 seasons sports participation)	PE & Health (+2 seasons sports participation)
Fine Arts	1 elective required	1 elective required	1 elective required
Electives	Computer Science Essentials Introduction to Engineering Business Essentials Christian Leadership Entrepreneurship Independent Study Robotics Club	Introduction to Healthcare Peer Mentoring Business Essentials Child Development Business Communications Speech/Forensics Christian Leadership Business Law Business Management Practicum	Performing Arts/Communication electives to be determined upon review of Department Head

CATHOLIC THEOLOGY

The St. Michael the Archangel Catholic High School Theology Department, along with the entire faculty and staff, is dedicated to passing on the teachings, traditions, and treasures of the Catholic faith to our students. The Theology Department provides students with the foundational knowledge of the Catholic faith based on strong catechetical instruction supported through the regular offering of Mass, serving others, spiritual direction, sacramental life, retreats, vocational awareness, and a culture of charity. All students must be enrolled in a theology course every semester for the entire four years of high school.

Christian Stewardship Program:

- Underclassmen complete 75 hours prior to the senior year (25 each school year)
- Service must be done with one specific agency.
- Specific agencies should be chosen each year.
- Students write a paper on their service aligned with The Corporal Act of Mercy. The paper counts for 10% of their second semester Theology grade.
- Underclassmen present their specific 25 hours of service for that year in their Theology classroom.
- Seniors commit 25 hours of charity to a unique and personalized senior project rooted in service.
- Seniors write a paper over their Senior Project, aligned with one of the seven themes of Catholic Social Justice. The paper is worth 10% of their second semester Theology grade.
- Seniors give a presentation on all three years of service and their senior project in the spring to a panel of underclassmen, faculty members, parish priest and board members.

THEOLOGY COURSE SELECTIONS		
REVELATION OF JESUS CHRIST IN SCRIPTURE Prerequisite: None	Credit: 1	Grade: 9
An introduction to the Revelation of Jesus Christ in Scripture through the narrative of Salvation History. First semester includes a study of the Old Testament focusing on the covenants between God and man. Second semester includes a study of the New Testament and emphasizes the life and actions of Jesus as the fulfillment of the Old Testament through the Church.		
JESUS CHRIST'S MISSION IN THE CHURCH Prerequisite: Completion of 9 th grade Theology requirements	Credit: 1	Grade: 10
Sophomore theology builds on the freshman course. Students study how we experience Christ's Living Body through the Church. The first semester includes Christology and Ecclesiology and focuses on how the Church continues the mission of Christ. The second semester curriculum helps students understand how Christ's saving action is present in the Sacraments, especially through the Eucharist.		

LIFE IN JESUS CHRIST Prerequisite: Completion of 9 & 10 th grade Theology requirements	Credit: 1	Grade: 11
<p>Junior theology helps students understand that it is only through Christ that they can fully live out God's plans for their lives. With an understanding of Salvation History and the sacramental life of the Church, students learn the moral principles that govern the lives of Christ's disciples. During the second semester, students examine John Paul II's Theology of the Body to expand understanding of human sexuality.</p>		
APOLOGETICS Prerequisite: Completion of 9, 10, & 11 th grade Theology requirements	Credit: ½	Grade: 12
<p>This mandatory course is designed to help students develop a response to the questions and challenges the secular world poses to their Christian faith. Responses are based on sound principles of logic and reason, as well as personal faith. This course engages the Catechism of the Catholic Church, Scripture, as well as encyclicals and other Church documents. Also involved in the work of apologetics is the recognition of the spiritual challenges it can pose to the person which requires a strong prayer life, as well as the interpersonal skills necessary to winning hearts rather than just arguments.</p>		
CHURCH HISTORY Prerequisite: Completion of 9, 10, & 11 th grade Theology requirements	Credit: ½	Grade: 12
<p>Provides students with a general knowledge of the 2,000 year Catholic Church history from apostolic times to the present, including an introduction to the fact that the Church was founded by Christ through the Apostles and sustained by Him throughout history through the Holy Spirit. Students come to know the Church as the living Body of Christ today and, as such, has both divine and human elements.</p>		
DISCIPLESHIP OF CHRIST IN SOCIETY Prerequisite: Completion of 9, 10, & 11 th grade Theology requirements	Credit: ½	Grade: 12
<p>An introduction to the Catholic social teaching, sometimes referred to as Social Justice. Students learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching. While gaining a deeper understanding of the social aspect of the Catholic mission, students explore our responsibility to live out this mission.</p>		
RESPONDING TO JESUS Prerequisite: Completion of 9, 10, & 11 th grade Theology requirements	Credit: ½	Grade: 12
<p>This Theology elective helps students to understand the different vocations or callings Christ issues to His people. The course focuses on married, single, priestly, and consecrated life. After this course, students are able to articulate the similarities and differences between these vocations and understand the role of prayer to help discern God's call for their lives. 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.</p>		

BUSINESS TECHNOLOGY

Business Technology courses instill essential skills and experiences, including analytical and critical thinking, problem solving, and marketing and sales, that the student utilize throughout their life. The Business Technology Academy emphasizes S³ Leadership - service, stewardship, shepherdship - inspiring students to be effective Jesus-like leaders at home, at work, and in the community. The Business Technology Academy has an advisory council, the Business Technology Advisory Council (BTA), that consists of business leaders. The BTA collaborates with Business Technology Academy students and instructors to ensure that our curriculum, learning objectives, and practicum meet and exceed current industry needs and trends.

BUSINESS TECHNOLOGY COURSE SELECTIONS		
PERSONAL FINANCE Prerequisite: None	Credit: ½	Grade: 11, 12
An experiential course that provides hands-on experience at building and managing personal wealth, including financial ethics and Catholic stewardship. The <i>Take Charge Today</i> results-driven curriculum developed at the University of Arizona provides students with essential skills for ethically taking charge of their own financial well-being and considering how career choices impact financial goals. <u><i>Required course for all students.</i></u>		
BUSINESS COMMUNICATIONS Prerequisite: English 1 & 2	Credit: ½	Grade: 11, 12
This interactive course provides students with effective communication skills that are applicable to everyday life, from the classroom to the boardroom. Students learn the foundations of business communications by composing written communications, exploring the nuances of traditional and digital communications, constructing business reports, and creating effective presentations. Dual credit available from the Metropolitan Community College of Kansas City. More information available in the course syllabus		
BUSINESS COMPUTER APPLICATIONS Prerequisite: None	Credit: ½	Grade: 9, 10, 11, 12
Learn to efficiently utilize the computer applications used in everyday life and by businesses. This introductory course provides students with the opportunity to explore and apply Google, Mac, and Microsoft applications for business and for school assignments. Learn to evaluate internet sources for research projects, create eye-catching publications, reports, and presentations.		

COMPUTER SCIENCE PRINCIPLES (PLTW) Prerequisite: Algebra 1	Credit: 1	Grade: 9, 10, 11, 12
<p>As the entry-point computer science course, students experience visual, block-based programming and transition to text-based programming with languages such as Python® to create apps and develop websites. Students work collaboratively to discuss topics and creatively solve problems that are important to them and result in helping others. The course does not aim to teach mastery of a single programming language but aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. The course also aims to build awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. The course also aims to engage students to consider issues raised by the present and future societal impact of computing. Students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Problems aim for ground-level entry with no ceiling so that all students can successfully engage the problems. Students with greater motivation, ability, or background knowledge will be challenged to work further.</p>		
COMPUTER SCIENCE PRINCIPLES AP (PLTW) Prerequisite: CSP	Credit: 1	Grade: 10, 11, 12
<p>Utilizing the same Computer Science Principles course model, this second-tier course reinforces and builds on the concepts introduced in the entry-point computer science course. Computer Science Principles AP provides students with a rigorous, face-paced course. The course is designed to cover all learning objectives in the College Board’s AP CS Principles framework and to prepare students to do well on the AP assessment. In specific CSP projects and problems, students create artifacts and associated writing as practice for the AP CS Principles Performance Tasks that can be submitted to the College Board. Alignment with AP CS Principles Learning Objectives and Essential Knowledge statements, CSTA Level 3B Objectives, and alignment with Next Generation Science Standards and Common Core State Standards for Mathematics and English Language Arts is indicated within course materials at the activity-, project-, and problem level. All students are required to take the AP assessment.</p>		
BUSINESS ESSENTIALS Prerequisite: None	Credit: ½	Grade: 9, 10, 11, 12
<p>During this introductory business course, discover all phases of business, including ownership, marketing, finance, managerial controls, personnel, and the relationship of business to the social and economic environment in which it operates. Explore everything from large corporations to sole proprietorships through examinations of current events, global interactions and real-world experiences. Overview of all phases of business, including ownership, marketing, personnel, finance, managerial controls, and the relationship of business to the social and economic environment in which it operates. Students enrolled in this course actively operate the Guardian Gear spirit shop, including before and after school and during periodic events as determined by the instructor or Administration.</p>		

YEARBOOK Prerequisite: None	Credit: 1	Grade: 10, 11, 12
<p>Yearbook provides students with the unique opportunity to operate a business. Operationally, students learn to run a business through the creation and management of the yearbook marketing plan, participating in sales campaigns, establishing and maintaining a budget, and meeting deadlines. Productionally, students create journalistic writings, take story-telling photos, digitally design, and edit the yearbook. Students also develop business skills such as interviewing, technical writing, planning, market research, and commercial production. Outside of the classroom, students are required to attend, report on, and photograph school events. Students are also required to attend after-school meetings and in-school field trips. Access to a digital camera required. This course requires a high level self-motivation, the ability to work well independently and collaboratively, and experience with digital tools.</p>		

ENGLISH

The mission of language (reading, writing, listening, speaking, and viewing) is to empower students with effective communication skills to assist them in their vocations as faith filled witnesses to the Catholic faith. The following English courses are designed to encourage proper appreciation of literature, including Holy Scripture, and mastery of the English language in oral and written form. Students gain exposure to cultures from all over the globe as they examine their roots in history and their continued progression toward sainthood. These skills and values are integrated in all disciplines offered at St. Michael the Archangel.

ENGLISH COURSE SELECTIONS		
ENGLISH 1 Prerequisite: None	Credit: 1	Grade: 9
This first year course offers a survey of literary genres, including short stories, poetry, novels, nonfiction works, and dramas. Students are introduced to fundamental composition such as the 12-sentence paragraph, five-paragraph essay, and a basic research paper. Writing exercises include grammar review and vocabulary application within the context of the literature. Students are required to complete a summer reading assignment as determined by the instructor.		
PRE-AP HONORS ENGLISH 1 Prerequisite: Exemplary HSPT score or instructor recommendation.	Credit: 1	Grade: 9
A survey of literary genres such as short stories, poetry, novels, drama and nonfiction. Students are introduced to fundamental composition, including 12-sentence paragraphs, five-paragraph essays, and basic research papers. Students focus on vocabulary and grammar exercises. The course parallels the curriculum of English 1 with additional reading and compositional assignments. Students are required to complete a summer reading assignment as determined by the instructor.		
ENGLISH 2 Prerequisite: English 1	Credit: 1	Grade: 10
A comprehensive study of World Literature, introducing students to classic fiction and nonfiction from different time periods and regions of the world. Students also examine the art, culture, and social customs associated with each time period and geographical area. This course focuses on grammar and vocabulary in literary context and on the writing process with the creation of quality essays. Students are required to complete the summer reading assignment as determined by the instructor.		
PRE-AP HONORS ENGLISH 2 Prerequisite: Pre-AP Honors English 1 85% or higher and instructor recommendation.	Credit: 1	Grade: 10
A comprehensive study of World Literature, introducing students to classic literature from different time periods and regions of the world. Students examine the art, culture, and social customs associated with each time period and geographical area. Genres covered include Scripture, epic poems, mythology, poetry, drama, and various forms of nonfiction. This course focuses on grammar and vocabulary in literary context and on the writing process with the creation of quality essays and other various projects.		

While the course parallels the curriculum of English 2, reading and writing assignments are more extensive. Students are required to complete the summer reading assignment as determined by the instructor.

ENGLISH 3

Prerequisite: English 1 & 2

Credit: 1

Grade: 11

A comprehensive study of American Literature. Students ask the fundamental questions: What makes us American? and How have Americans defined themselves in the English language? Over the course of the year, students study the major literary movements including Native American, Puritanism, Revolutionary, Romanticism, Dark Romanticism, Transcendentalism, and Realism. In conjunction with American History, students seek out the ways Americans have defined themselves in relation to the frontier, to their European roots, and to God. While heavily based in literature, the course also requires writing in multiple formats including essays, vocabulary exercises, and a research paper. Students practice skills needed for standardized testing. Students are required to complete the summer reading assignment as determined by the instructor.

AP LANGUAGE & COMPOSITION

Prerequisite: Pre-AP Honors English 1 & 2 85% or higher and instructor recommendation.

Credit: 1

Grade: 11

This advanced placement course engages students as skilled readers in a variety of social and historical texts while developing them as skilled writers who compose for various prompts and purposes. Specific emphasis is placed on content, purpose, audience, rhetorical analysis, argumentation, and synthesis of sources. The course aims to provoke successful arguments in support of the student's analysis of the text. Students are required to complete summer reading assignments as determined by the instructor. Students are also required to take the AP exam and pay the applicable fees. Advanced placement students may apply for college credit based on their score on the AP exam.

ENGLISH 4

Prerequisite: English 1, 2, & 3

Credit: 1

Grade: 12

Engages students in reading and analyzing a variety of British and American authors. Film as a literary medium complement the literature study. Students focus on effective written and oral communication for numerous audiences and purposes. Students apply their skills to further their mastery of the given texts. Students are required to complete summer reading assignments as determined by the instructor.

AP LITERATURE & COMPOSITION

Prerequisite: Pre-AP English 1 & 2, AP Language & Composition 85% or higher and instructor recommendation.

Credit: 1

Grade: 12

This advanced placement course engages students in the careful reading and critical analysis of literature. Students deepen their understanding of the writer's use of language for artistic effect and persuasive impact. Through reading, discussion, and writing, students examine structure, style, and themes, as well as figurative language. Students are required to complete summer reading assignments as determined by the instructor. Students are also required to take the AP exam and pay the applicable fees. Advanced placement students may apply for college credit based on their score on the AP exam.

FINE ARTS

The focus of the Performing & Fine Arts Department at St. Michael the Archangel Catholic High School is to encourage each student to identify, explore and practice their God-given talents. We encourage students to participate in activities that they have not previously had practice in so as to identify those gifts.

FINE ARTS COURSE SELECTIONS		
ANIMATION Prerequisite: None	Credit: ½	Grade: All
Students will approach animation in this class traditionally and digitally. Our first few projects will be hand drawn frame by frame animation; then we will transition to the computer and make animated GIF's. Each student will learn the principles of animation and how to work the timeline in Photoshop.		
ART FOUNDATIONS Prerequisite: None	Credit: ½	Grade: All
During this introductory course, students explore the essential aspects of drawing, painting, ceramics, and sculpture. Students learn the different types of pencils and focus on rendering form. Lettering utilizing one and two point perspectives are covered. Basic color theory is introduced with tempera paint and watercolor. Objects are constructed as students learn about three dimensional concepts.		
ARCHITECTURE Prerequisite:	Credit: ½	Grade: All
Students create elevation drawings and construct models from projections. While utilizing Photoshop, students color and render different textures for presentation boards and focus on creating two point perspective drawings from our elevations.		
CERAMICS & SCULPTURE Prerequisite: None	Credit: ½	Grade: All
The fundamentals of three-dimensional design are explored utilizing recycled materials and everyday objects. Students also explore various hand-building methods to construct ceramic work. Students also learn about the drying stages of clay and glazing methods. From original designs, students create both functional and decorative objects.		
CHAMBER SINGERS Prerequisite: Concert Choir	Credit: 1	Grade: 10, 11, 12
An advanced, auditioned choir ensemble for upperclassmen. Students must work diligently, maintain a positive attitude, and have a strong desire to perform. Students develop singing and musical skills, learn about breath support, tone quality, posture, diction, theory, blend, and sight singing. Students develop their own personal musical identity through the practice and execution of sung literature. In addition, members explore the lives and works of the world's most respected composers in depth. All students are required to participate in scheduled concerts, contests, and after school and evening rehearsals. All		

members will be required to make a one-time purchase for a concert outfit to be worn for each performance.

ORCHESTRA

Prerequisite: Open to all brass, woodwind, and percussion instrumentalists

Credit: 1

Grade: All

An ensemble for ALL types of instrumental musicians who enjoy playing and wish to perform a variety of musical literature. Students develop their musical skills and technique, exploring such things as posture, bowing, embouchure, articulation, phrasing, breath support, tone quality, theory, intonation, and sight reading. All students are required to participate in scheduled concerts, contests, and, as needed, after-school and evening rehearsals. **All members will be required to make a one-time purchase for a concert outfit to be worn for each performance.**

CONCERT CHOIR

Prerequisite: None

Credit: 1

Grade: All

A choral ensemble open to all students who enjoy singing and want to explore a variety of choral literature. Students develop their singing and musical skills, working on breath support, tone quality, posture, diction, theory, blend, and sight singing. Students also develop their own personal musical identity through the practice and execution of sung literature. All students are required to participate in scheduled concerts, contests, and, as needed, after-school and evening rehearsals. **All members will be required to make a one-time purchase for a concert outfit to be worn for each performance.**

MUSIC ROCKS!

Prerequisite: None

Credit: ½

Grade: All

This class is designed for *any* student who wishes to make music in many capacities. No prior musical knowledge is required. In this semester-long class, we will make use of your existing/basic ukulele skills, drumming skills, vocal skills, and more! learn a “mini show” performed for the school and greater community. We will also learn how to create digital music, developing pieces such as electronic dance music and movie scores. If you are looking for a music class that is fun, educational, and requiring no previous musical knowledge, this is for you!

DANCE I

Prerequisite: None

Credit: ½

Grade: All

This course is designed to engage the student in the four basic genres of dance: ballet, modern, jazz and tap. Students will explore the fundamental teachings of Lester Horton and Alvin Ailey. Students will be required to perform in a Fine Arts night and/or the Spring Musical Production. **Students will be required to purchase appropriate dancewear and shoes.** Various levels of dance and experienced students will attain a greater knowledge of movement skills with the human body. This course is *highly recommended* for any student interested in auditioning for the Guardian Dance Team.

ADVANCED DANCE

Prerequisite: None

Credit: ½

Grade: All

This course is designed to engage the student into a deeper level of self-exploration through human movement. Modern/Contemporary and technique training will advance the student in kinesthetic memory and movement. Study will encompass further focus on Horton and Ailey techniques, in addition to Martha Graham, Agnes de Mille and Doris Humphrey. The student will also begin choreography formatting and individual phrase development. Performances throughout the course will be required

outside of class time for various events. **Students will be required to purchase appropriate dancewear and shoes.**

BOY'S DANCE I

Prerequisite: None

Credit: ½

Grade: All

This course will focus on basic body fundamentals. Male athletes will drastically improve in their overall athleticism. Through exploring technique and phrase combinations through jazz, modern, and ballet, focus will be placed on flexibility, endurance, footwork, and balance. Flexibility growth through dance training helps prevent other sports related injuries. Endurance will improve by increasing one's stamina. Footwork combinations will assist in agility for football, basketball, wrestling and soccer. There will not be a formal performance/presentation for this class, since skills acquired will be utilized in other sport activities.

DIGITAL PAINTING

Prerequisite: None

Credit: ½

Grade: All

This course is an introduction to painting on the computer. We will use a variety of paint techniques to create 2d artwork in Photoshop.

DRAMA I

Prerequisite: None

Credit: ½

Grade: All

Drama 1 introduces the student to various aspects of the theatre with the primary focus on acting. Improvisation, pantomime, scene study and theatre terminology and theatre history are integral parts of the program. Students are encouraged to explore their own creative potential in a supportive, yet challenging learning environment. Students are required to assist in the various performance opportunities for the semester, such as the musical, Fine Arts Night, and other events.

ADVANCED DRAMA/DRAMA II

Prerequisite: Drama 1

Credit: ½

Grade: All

Drama 2 is an advanced course designed for students who wish to continue their study of acting. Character development, scene study, audition technique and theatre history are integral elements of the course.

DRAWING & PAINTING

Prerequisite: Art Foundations

Credit: ½

Grade: All

Drawing and painting skills are taught with traditional media. Instruction focuses on composition value and craft. Each project may take a few weeks to complete, so students experience and comprehend the vast amount of time that creating art often takes.

GRAPHIC DESIGN

Prerequisite: None

Credit: ½

Grade: All

Students utilize basic features of Photoshop as a vehicle for artistic expression. Through tutorials of typography and image manipulation, each student gains working knowledge of Photoshop.

FINE ARTS INDEPENDENT STUDY

Prerequisite: Instructor approval

Credit: ½

Grade: 12

Designed for serious art students that may want to pursue a creative career, each student independently explores his/her own creative passions. Students cultivate a personal voice and vision that is essential when competing for fine art scholarships.

ILLUSTRATOR Prerequisite: None	Credit: ½	Grade: All
In this class, we will explore Adobe Illustrator. This program is used throughout the world for design. Through tutorial and projects, students will gain a basic working knowledge of the program..		
INDESIGN Prerequisite: None	Credit: ½	Grade: All
In this class, we will focus on desktop publishing. Indesign is a desktop publishing program by Adobe. Students will create posters, flyers, brochures, magazines, books and ebooks.		
JAZZ BAND Prerequisite: Proficient jazz instrument players audition with Music Director required	Credit: 1	Grade: All
Jazz Band is an ensemble for intermediate and advanced instrumental musicians. Students perform a wide range of jazz, blues, and soul music through which they are encouraged to improve their instrumental skills. They are taught how to listen musically, both as an individual and in an ensemble. Students also study jazz music theory and the fundamental elements of improvisation. Required of all members is participation in scheduled concerts, contests, and, as needed, after-school and evening rehearsals.		
MUSIC MINISTRY Prerequisite: Audition for singers and instrumentalists with Music Director required	Credit: 1	Grade: All
Music Ministry is for students who wish to practice and grow their musical abilities outside of a classical ensemble setting. In this course, students work closely with the Music Director to prepare and perform music for Masses and retreats. By immersing themselves in the field, students learn how to lead congregations in praise and worship. They are taught how to listen musically, both as an individual and in a small ensemble. Participation in scheduled Masses, potential retreats, and, as needed, after-school and evening rehearsals is required.		
PHOTO DESIGN Prerequisite: None	Credit: ½	Grade: All
Students in this class will take photos with their digital camera and then manipulate the image in Photoshop. This class will show the students how to push the expressive boundaries of photo alteration.		
SET DESIGN & PAINTING Prerequisite: None	Credit: ½	Grade: All
In this class students learn how to design a theater set to scale. We also study large scale painting and drawing techniques. Students are required to work on the fall play and the spring musical.		

MATHEMATICS

The mission of mathematics education at St. Michael the Archangel Catholic high school, while integrating the values and teachings of the Catholic Church, is to teach our students strategies to identify problems, organize information, devise plans, solve problems, and analyze solutions to communicate results. St. Michael the Archangel Catholic High School requires 3 credits of mathematics to graduate, but it is highly recommended that a student takes 4 credits of mathematics.

Possible Math Course Sequences			
Freshman Year	Pre-Algebra	Algebra 1 ↙ ↘	
Sophomore Year	↓ Algebra 1	Geometry	Pre-AP Honors Geometry
Junior Year	↓ Geometry	↓ Algebra 2	↓ Pre-AP Honors Algebra 2
Senior Year	↓ Intermediate Algebra	↙ ↘ College Prep Math College Algebra	↓ Pre-AP Honors Precalculus
		Pre-AP H Algebra 1 & H Geometry ↙ ↘	
		Algebra 2	Pre-AP H Algebra 2
		↓ College Algebra	↓ Pre-AP Honors Precalculus
		↓ Pre-AP Honors PreCalc	↓ AP Calculus AB

Please note that questions regarding course sequences and possible alternatives need to be discussed with the academic counselor or the Mathematics Department Head.

MATHEMATICS COURSE SELECTIONS		
PRE-ALGEBRA Prerequisite: Department Head recommendation	Credit: 1	Grade: 9
The course instruction uses prescriptive lessons to improve student understanding of math principles. They build on previously learned mathematics concepts to prepare them for Algebra 1. This course does not meet Board of Regents or NCAA requirements.		
ALGEBRA 1 Prerequisite: HSPT score	Credit: 1	Grade 9, 10
Designed to acquaint students with algebraic concepts and algebraic thinking, students develop reasoning skills and apply algebraic techniques to solve word problems. Topics covered include solving linear and quadratic equations, operations of polynomials, factoring, solving inequalities, rational expressions, exponents and graphing equations in two variables.		

PRE-AP HONORS ALGEBRA 1 & HONORS GEOMETRY Prerequisite: HSPT score & instructor recommendation	Credit: 1	Grade: 9
This course is designed for students who have already completed Algebra I. Students review key algebraic concepts before starting the Honor Geometry curriculum. This is a fast-paced honors level course. It is designed for advanced students wanting to take Algebra I in 9th grade and still be ready for calculus by 12th grade.		
GEOMETRY Prerequisite: Algebra 1	Credit: 1	Grade: 10, 11
Geometry introduces students to deductive mathematical system through theory and application. The topics covered include spatial visualization, lines and figures in planes, theorems, congruence, similarity and classification of triangles, polygons, circles, deductive proofs, transformations, area and volumes, two and three dimensional figures, and coordinate geometry. Algebraic skills are reviewed and strengthened through application in problem solving through geometry.		
ALGEBRA 2 Prerequisite: Algebra 1 & Geometry or instructor recommendation	Credit: 1	Grade 10, 11, 12
Students further develop algebraic skills through the study of quadratic equations and functions, polynomials, rational exponents and functions, systems of linear equations and inequalities, radicals, irrational numbers, exponential and logarithmic functions, conic sections, and variation.		
PRE-AP HONORS ALGEBRA 2 Prerequisite: Pre-AP Honors Algebra 1 & Geometry or HSPT score and instructor recommendation	Credit: 1	Grade: 10, 11
Students further develop algebraic skills at rapid pace. Topics covered include linear functions, quadratic functions and equations, polynomials, rational exponents, exponential and logarithmic functions, conic sections, variation and introduction to trigonometry.		
INTERMEDIATE ALGEBRA Prerequisite: Algebra I and Geometry or instructor recommendation	Credit: 1	Grade: 11, 12
This course is designed for students who struggled in Algebra 1 and Geometry and are not yet ready for Algebra II. Topics include those already covered in Algebra 1 and Geometry, with a special emphasis on preparation for the ACT, as well as an introduction to Algebra II topics.		
COLLEGE PREP MATH Prerequisite: Algebra 2 or teacher recommendation	Credit: 1	Grade: 12
This course is designed for seniors who have completed Algebra 2 but are not ready for a College Algebra class. It is designed to help students improve their math skills from Algebra 2 in preparation for a College Algebra course. College Prep will follow UMKC curriculum at a slower pace than College Algebra.		
COLLEGE ALGEBRA (UMKC Digital Program) Prerequisite: 3.0 or Composite score of 21 on the ACT	Credit: 1	Grade: 11, 12
This is a course offered by University of Missouri-Kansas City at St. Michael the Archangel. It is a yearlong high school class that is equivalent to a single semester of College Algebra at UMKC. If enrolled in this class, students must enroll in UMKC for college credit (3 college credit hours). This		

course will review elementary algebra, solution of equations, functions, exponential and logarithmic functions, inequalities, systems of linear equations, equations of second degree and their graphs, binomial theorem, complex numbers and polynomials.

PRE-AP HONORS PRECALCULUS

Prerequisite: Pre-AP Honors Algebra 2 or instructor recommendation

Credit: 1

Grade: 11, 12

An introduction to mathematical analysis with additional study of ordered fields and math logic. This course prepares students for Calculus and other college level mathematics. Topics are covered in greater depth and at a faster pace than the Precalculus course. Students use the principle of math induction in proofs and are introduced to sequences and series, both finite and infinite. Students also study trigonometry, including exponential and logarithmic functions.

AP CALCULUS AB

Prerequisite: Instructor approval and Pre-AP Honors Precalculus or College Algebra

Credit: 1

Grade: 12

This advanced course covers calculus concepts usually included in semester of college calculus. This course includes one semester of differential calculus and one semester of integral calculus. Students are required to take the AP exam and pay the applicable fees. Advanced placement students may apply for college credit based on their score on the AP exam.

PHYSICAL EDUCATION & HEALTH

St. Michael the Archangel Catholic High School is dedicated to the development of the spiritual, physical, emotional, and social health and well-being of each student. Physical Education and Health courses are directed toward developing and improving physical fitness knowledge and ability, knowledge of rules and interest in physical activities with individual and small group sports. It encompasses the general informational and educational needs of students in the areas of health and wellness.

All students are required to earn one Physical Education credit for graduation. Participation in two full seasons of sport fulfills the Physical Education requirement. Students who participate in a freshman, junior varsity or varsity sport (dance and cheer included) earn one physical education credit upon the completion of the second season. Although credit is earned, no grade is issued.

PHYSICAL EDUCATION COURSE SELECTIONS		
HEALTH & WELLNESS Prerequisite: None	Credit: ½	Grade: All
This required course is directed toward developing and improving knowledge in the area of health and wellness through the presentation of information benefits and interests. The aim is to encourage students to acquire healthy attitudes and habits that maximum physical health and happiness.		
PHYSICAL EDUCATION Prerequisite: None	Credit: ½	Grade All
This course is directed toward developing and improving fitness knowledge and ability. The aim of this course is to introduce students to sports theory, cooperative team sports, and individual physical fitness. Special emphasis is placed on the development of good sportsmanship and Christian behavior.		
WEIGHT TRAINING Prerequisite: Physical Education & Health	Credit: ½	Grade All
An introductory elective course for students interested in improving overall muscular strength and endurance. Includes an overview of the physiological basis for muscular strength and athletic power improvement, while emphasizing proper lifting techniques and safety procedures. In addition, this course is designed to improve flexibility, speed and agility.		
LIFETIME FITNESS Prerequisite: Physical Education and Health	Credit: ½	Grade 11, 12
As an advanced elective course, the primary objective is to help students understand the importance of achieving and maintaining lifetime physical fitness. The course includes an introduction to various recreational activities that can be enjoyed throughout life.		

SCIENCE

The mission of the SMA Science Department is to utilize science as a vehicle to prepare all students to be lifelong learners who can use science as stewards of God’s creation, to make reasoned decisions, and to contribute to their local, state, and international communities.

SCIENCE COURSE SELECTIONS		
PHYSICAL SCIENCE Prerequisite: None	Credit: 1	Grade: 9
Physical Science is a course designed to help students develop skills necessary for future science course and as an alternative to biology. Students will develop an understanding of basic concepts of Chemistry, Physics, Environmental Science and Biology through lecture, hands on activities, practice and laboratory experiments. .		
BIOLOGY Prerequisite: Instructor recommendation required for 9th grade	Credit: 1	Grade 9, 10, 11
An introduction into the study of all living things and environmental interacts, including cells, plant and animal life, genetics, evolution, classification and ecology. Various laboratory experiences are included in each topic that enhance mastery.		
PRE-AP HONORS BIOLOGY Prerequisite: HSPT score	Credit: 1	Grade: 9, 10, 11
This course covers the same subject matter as Biology in greater detail at a rapid pace. Emphasis is given in developing critical thinking skills. This course is for those students who have demonstrated an aptitude in science and who plan to enroll in advanced science courses. Students should carefully consider the extra time needed for this challenging course.		
AP BIOLOGY Prerequisite: Biology grade of 90% or above OR pre AP Honors Biology grade of 80% or above	Credit: 1	Grade: 11, 12
Advanced Placement (AP) Biology is the equivalent of a two-semester college introductory course usually taken by biology majors during their first year. This course will prepare students for the AP examination and subsequent college-level science coursework. The course is designed around the new AP Biology curriculum framework that focuses on the Big Ideas (Evolution, Energy Processes, Information and Interactions) in biology and their connections. The AP Biology course also includes a college-level laboratory component that will require students to design experiments, collect and analyze data, and write college-level lab reports. The course covers a vast amount of material, is in-depth, and moves at a fast pace. Students taking this class must have strong reading comprehension and analytical skills as well as excellent study habits and be willing to devote an average of 5-10 hours per week to the coursework. Students are also required to take the AP exam and pay the applicable fees. This course is available for dual-credit through Rockhurst.		

CHEMISTRY Prerequisite: Biology & Algebra 1 grade of 75% or above	Credit: 1	Grade: 10, 11, 12
Provides background in the principles of chemistry: atomic structure, molecular structure, bonding, chemical reaction, stoichiometry, periodicity, gases, solutions, acids and bases. Topics are explored in conjunction with supportive laboratory activities. Designed for the college bound student who needs in-depth chemistry for science and math related fields such as medicine, nursing, medical technology, engineering, agriculture, and forestry, as well as chemistry.		
PRE-AP HONORS CHEMISTRY Prerequisite: Biology, Algebra and Chemistry with a grade of 70% or above	Credit: 1	Grade: 11, 12
This course covers the same subject matter as Chemistry in greater detail at rapid pace. Emphasis is given to developing critical thinking skills. This course is for those students who have demonstrated an aptitude in science and who plan to enroll in advanced science courses. Students should carefully consider the extra time needed for this challenging course. It is possible for some students to be eligible to enroll in dual college credit chemistry through UMKC by meeting required criteria. This course we prepare students for AP Chemistry. Seniors who take this course who want to sit for the AP exam in 2017-2018 will have the opportunity to prepare for the exam with the instructor.		
PHYSICS Prerequisite: Chemistry grade of 75% or above or Algebra 1 grade of 75% or above	Credit: 1	Grade: 11, 12
An overview of basic physics topics, including kinematics, thermodynamics, sound, light and optics, and electricity and magnetism. The course is lab intensive and may have projects outside the classroom. This is a prime course for those students doing general college preparation.		
ANATOMY & PHYSIOLOGY Prerequisite: Biology grade of 80% or above or instructor approval	Credit: 1	Grade: 11, 12
Anatomy and Physiology is an advanced biology course that focuses on the structure and function of the human body systems. Topics will be covered by body systems (ie. integumentary, skeletal, muscular, nervous, cardiorespiratory, endocrine, immune, etc.), covering anatomy (structure) and physiology (function). Students will gain a fundamental understanding of these systems and their interconnectedness, while also integrating concepts from medical sciences, kinesiology, exercise physiology and nutrition. This course will include labs, dissections, research projects and group projects. .		
ASTRONOMY & METEOROLOGY Prerequisite: Biology	Credit: 1	Grade: 11, 12
Astronomy and meteorology is a Science elective that spans a full year. Astronomy, taken first semester, covers the Sun and the major constituents of the solar system (planets, comets, minor planets, meteors, etc.), eclipses, the Moon, stars, light, telescopes, stellar evolution (white dwarfs, neutron stars and black holes), and the historical development of astronomical ideas and to recent developments in planetary astronomy. In the 2nd semester, Meteorology provides the student with an in-depth study of the processes that govern the climate and weather. Topics include world climate systems, climatic changes, human influence on climate, the causes of local weather systems, historical and technological contributions to meteorology, weather forecasting, observational and data collecting techniques and the processes that cause severe weather..		

SOCIAL STUDIES

The role of the Social Studies curriculum is to develop knowledgeable, active participants in a democracy and an interdependent world. Our department strives to prepare students to evaluate and act in accordance with Catholic values. The three required credits are fulfilled through three courses: American Government, World Geography, World History, and U.S. History.

SOCIAL STUDIES COURSE SELECTIONS		
AMERICAN GOVERNMENT <i>(required for Class of 2022)</i> Prerequisite: None	Credit: ½	Grade: 9
This course is a study of the origins, development, structure and functions of the state and national government. Topics include the creation of the United States Constitution and Missouri State Constitution, constitutional framework, the three branches of government, the three levels of government, and policy formation. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. Basic concepts of state and local government and their relationships with the federal government are also examined. During the course of the year, students take the United States and Missouri Constitution tests. As required by the state of Missouri, students must pass this test to qualify for graduation.		
WORLD HISTORY <i>(required)</i> Prerequisite: None	Credit: 1	Grade 10
A broad survey of world events emphasizing the foundations of world civilizations from the time of the Egyptians to the Modern world periods. Particular emphasis is given geography, economic organization, politics and law, war and diplomacy, technology, religion, philosophy, science, the arts, social relations, and cross-cultural interaction. Students are taught many skills including critical thinking, reading or primary sources for content, historical document analysis, identifying cause and effect, note taking, map interpretation, and essay writing.		
AP WORLD HISTORY Prerequisite: freshman Social Studies course grade of 85% or higher & instructor approval	Credit: 1	Grade 10
A college survey course examining the history of the world from approximately 8,000 B.C.E. to present day with a special emphasis on historical thinking skills. Students read assigned text and supplemental material, participate in classroom discussions and research, and practice analysis and writing skills. Students are also required to take the AP exam and pay the applicable fees. The course may also be available for dual-credit.		

U.S. HISTORY <i>(required)</i> Prerequisite: None	Credit: 1	Grade: 11
A survey of the development of the United States from the pre-Columbian period to the present with particular attention to colonial development, early national period, age of Jackson, Civil War and Reconstruction, age of Roosevelt, WWI, Great Depression, WWII, the Cold War, Civil Rights, and Vietnam. There is a focus on social history in regard to Native Americans, African Americans, immigrants, women and laborers.		
AP U.S. HISTORY <i>(alternative to U.S. History requirement)</i> Prerequisite: World History grade of 85% or above and instructor approval	Credit: 1	Grade: 11
A college survey course examining the nine periods of U.S. History from about 1492 to present day with an emphasis on historical thinking skills. Students read assigned text and supplemental material, participate in classroom discussions and research, and practice analysis and writing skills. Students are required to take the AP exam and pay the applicable fees. Advanced placement students may apply for college credit based on their score on the AP exam.		
U.S. GOVERNMENT AND POLITICS <i>(required for Class of 2019, 2020, and 2021)</i> Prerequisite: World Geography, World History & U.S. History	Credit: ½	Grade: 12
This course is an analytical survey of government and politics in the United States that focuses on the relationships between three branches of government and three levels of government, as well as the political process. The purpose of this course is to prepare students to be actively engaged citizens. During the course of the year, students take the United States and Missouri Constitution test. As required by the state of Missouri, students must pass this test to qualify for graduation.		
AP U.S. GOVERNMENT & POLITICS <i>(alternative to U.S. Government & Politics requirement)</i> Prerequisite: U.S. History grade of 85% or above and instructor approval	Credit: ½	Grade: 12
A political science course for highly motivated students. Students examine the institutions, groups, beliefs, and ideas that make up American government. Particular emphasis is given to a political understanding of government, with a critical eye to the role that the people play in the process. Reading materials are extensive and challenging. During the course of the year, students take the United States and Missouri Constitution tests. As required by the state of Missouri, students must pass this test to qualify for graduation. Students are also required to take the AP exam and pay the applicable fees. Advanced placement students may apply for college credit based on their score on the AP exam.		
CURRENT EVENTS <i>(elective)</i> Prerequisite: None	Credit: ½	Grade: 10, 11, 12
Students become conversant on the issues facing our world today, develop a context by which to interpret the news, and expand understanding about the role they play in those events. Emphasis is placed on the elements of media coverage to become informed consumers of the news.		
HISTORY THROUGH FILM <i>(elective)</i> Prerequisite: None	Credit: ½	Grade: 10, 11, 12
A critical study of film, mass media, and social media. Through screenings, readings, and discussion students examine how film and mass media serve as powerful determinants of ideology, identity, and		

historical consciousness. Students gain an in-depth understanding of important historical events and question the consequences of our passive consumption of mass media.

HOLOCAUST STUDIES (*elective*)
Prerequisite: None

Credit: ½

Grade: 11, 12

Examine the causes, course, and consequence of the “Holocaust” as it developed in Nazi Germany during the period of 1932-1945. Emphasis is placed on the history of European Jewry before the Holocaust and on understanding how such a tragedy could take place in the “civilized world” of the modern 20th Century. Other examples of discrimination, relocation, and genocide are examined, as well as the issues of social justice and bystander responsibility.

PSYCHOLOGY (*elective*)
Prerequisite: None

Credit: ½

Grade: 11, 12

Psychology is the science that studies human behavior and mental processes. This course provides an introduction to the field of psychology and its major perspectives including the biological basis of behavior, sensation, perception, learning, memory, motivation, emotion, personality and stress. This course will also examine the areas of developmental, social and abnormal psychology.

SOCIOLOGY (*elective*)
Prerequisite: None

Credit: ½

Grade: 11, 12

Sociology is the science of people, their behavior, and the impact of that behavior on society. It is concerned with how people relate to and influence each other’s behavior, focusing more on the group than the individual. Sociologists accomplish this by examining social phenomena, or observable facts or events that involve human society. Students will be required to address and assess various hypothetical and real life experiences related to human and societies’ behaviors.

WORLD LANGUAGES

Students completing a course of foreign language study demonstrate course appropriate outcomes in the three modes of communication: Interpretive (understand and synthesize), Interpersonal (spoken and written communication), and Presentational (spoken and written). Students also gain an understanding of the products, practices, and perspectives of the target cultures to better participate in an ever-changing global society. There is a two credit requirement in the Foreign Language Department of the same language. To enroll in World Languages Honors courses, students must have a World Languages Department instructor recommendation and should have a minimum grade of 85% in his/her current Languages course. The Honors course must be within the same language as the preceding course.

WORLD LANGUAGES COURSE SELECTION		
FRENCH I Prerequisite: None	Credit 1	Grade: All
An introduction to the French language and culture. The fundamentals of pronunciation, grammar, and culture are presented through a balanced development of the three modes of communication: interpretive, interpersonal, and presentational. The importance of communication and cultural awareness is stressed through a wide variety of activities.		
FRENCH II Prerequisite: French I	Credit 1	Grade: All
Building upon knowledge gained in French I, emphasis is placed on perfecting pronunciation, mastering the basic grammatical structures, and improving communicative proficiency. Students are exposed to present, past and future tenses. Students were expected to apply grammar and vocabulary skills learned through the three modes of communication.		
HONORS FRENCH II Prerequisite: French I, grade of at least 85% & Instructor Approval	Credit 1	Grade: 10, 11, 12
Designed to challenge students interested in foreign language or in continuing language studies beyond French II. Emphasis is on perfecting pronunciation, mastery of the basics grammatical structures, and increased communicative proficiency. Students are expected to apply grammar and vocabulary skills learned through the three modes of communication. The curriculum is similar to French II, but is taught at a livelier pace.		
HONORS FRENCH III Prerequisite: French II, grade of at least 85% & instructor approval	Credit 1	Grade: 10, 11, 12
This course builds upon knowledge gained in French I and II. Students expand their vocabulary range to include more sophisticated terminology, use advanced language expressions, varied verb tenses and moods such as the pluperfect and the subjunctive mood. Students view authentic French language videos and read selected French short stories. This is a fast paced course to prepare students for Pre-AP, Dual Credit French IV.		

HONORS FRENCH IV (UMKC) Prerequisite: Honors French III	Credit 1	Grade: 11, 12
<p>To best facilitate the study of language and culture, the course is taught exclusively in French. The course focuses on the integration of authentic resources including online, print, audio, and audiovisual resources; as well as traditional print resources. All assessments must be completed in French. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication towards the pre-advanced level. College credit is available for those students who register through UMKC and pay the cost per credit hour.</p>		
HONORS FRENCH V (UMKC) Prerequisite: Pre-AP, Dual Credit French IV	Credit 1	Grade: 12
<p>This advanced course is for students who have successfully completed four years of high school French. It follows the guidelines of the College Board AP French Language and Culture course, and emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. The course is conducted entirely in French and prepares students for intermediate levels of college French. Students may work on cultural projects, read authentic works of literature, or watch authentic feature films. Advanced grammar is introduced as it relates to the instructional materials. Students are graded on the three modes of communication: interpersonal, interpretive, and presentational. Students are also required to take the AP exam and pay the applicable fees. College credit is available for those students who register through UMKC and pay the cost per credit hour.</p>		
LATIN I	Credit 1	Grade: All
<p>This course introduces the student to the language of the ancient Romans. Each student builds a strong base of vocabulary and begins to read Latin prose. Students learn how Latin has affected modern languages, especially the vocabulary and grammar of English. This course also provides lessons on Roman culture from which many aspects of western civilization have evolved as well as the importance of the Latin language in the Catholic Church.</p>		
LATIN II Prerequisite: Latin 1	Credit 1	Grade: 10, 11, 12
<p>Students will gain proficiency in reading Latin. The course will also offer additional activities on speaking and writing Latin. In terms of grammar, students will devote a significant amount of time learning how to conjugate verbs, according to varying tenses, voices, and moods. Students will continue to study Roman history and culture, the influence of Latin on modern languages, and the role of Latin in the Catholic Church.</p>		
SPANISH I Prerequisite: None	Credit: 1	Grade: 9, 10, 11
<p>A general introduction to the Spanish language: sound system, pronunciation, functional vocabulary related to everyday life, cultural information, and basic grammatical structures. Basic conversations are mastered and verb conjugation begins with the present indicative tense. The three modes of communication are emphasized. The main objectives includes the ability participate in simple conversation and to teach them a basic understanding of Spanish culture, vocabulary, and grammar.</p>		

SPANISH II Prerequisite: Spanish 1	Credit: 1	Grade: 9, 10, 11
Building upon knowledge gained in Spanish 1, emphasis is placed on perfecting pronunciation, mastering the basic grammatical structures, and improving communicative proficiency. Students are exposed to present and past tenses. Students are expected to apply grammar and vocabulary skills learned through the three modes of communication.		
HONORS SPANISH II Prerequisite: Spanish 1 grade of at least 85% & instructor recommendation	Credit: 1	Grade: 9, 10, 11
Designed to challenge students interested in foreign language or in continuing language studies beyond Spanish 2, emphasis is on perfecting pronunciation, mastery of the basics grammatical structures, and increased communicative proficiency. Students are expected to apply grammar and vocabulary skills learned through the three modes of communication. The curriculum is similar to Spanish 2 but is taught at a livelier pace. Students are also introduced to past and imperative tenses.		
HONORS SPANISH III Prerequisite: Spanish 2 grade of at least 85% & instructor recommendation	Credit: 1	Grade: 10, 11, 12
This course builds upon knowledge gained in Spanish 1 and 2. Students expand their vocabulary range to include more sophisticated terminology, use advanced language expressions, verb tenses, and grammatical concepts such as the pluperfect and the subjunctive mood. Students view authentic Spanish language videos and read selected Spanish short stories. This is a fast paced course to prepare student for Honors Spanish 4.		
HONORS SPANISH IV Prerequisite: Spanish Honors 3	Credit: 1	Grade: 10, 11, 12
This course follows the guidelines of the College Board AP Spanish Language and Culture course and emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. To best facilitate the study of language and culture, the course is taught exclusively in Spanish. The course focuses on the integration of authentic resources including online, print, audio, and audiovisual resources; as well as traditional print resources. All assessments must be completed in Spanish. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication towards the pre-advanced level. College credit is available for those students who register through UMKC and pay the cost per credit hour.		
HONORS SPANISH V Prerequisite: Spanish Honors 4	Credit: 1	Grade: 12
Spanish 5 is an advanced course for students who have successfully completed four years of high school Spanish. The course is conducted in Spanish and prepares students for intermediate levels of college Spanish. Students may work on cultural projects, read authentic works of literature, or watch authentic feature films. Advanced grammar is introduced as it relates to the instructional materials. Students are graded on the three modes of communication: interpersonal, interpretive, and presentational. College credit is available for those students who register through UMKC and pay the cost per credit hour.		

EXTENDED LEARNING

The mission of the Extended Learning Department at St. Michael the Archangel Catholic High School is to support the learning needs of any student. Support may take the form of enrollment in the Guided Studies course, enrollment in the summer our programs, tutoring before or after school, and/or academic counseling. It is our commitment to communicate clearly with parents and students and to do all within our power to teach all God's children.

Exploratory courses in Engineering, Aviation, Business, Technology, Healthcare, and other individual fields of interest are also offered.

EXTENDED LEARNING COURSE SELECTION		
CHRISTIAN LEADERSHIP Prerequisite: None	Credit: 1	Grade: 12
Focuses on developing the fundamental principles of Christian Leadership. Emphasis is placed on deepening one's own interior life, developing personal leadership skills, and practicing group cooperation in organizing SMA events and projects. All students are invited to enroll in this course and do not need to be an elected Community Captain or Peer Mentor to enroll. This course is an elective and does not fulfill Theology credit requirements.		
COLLEGE EXPLORATIONS Prerequisite: None	Credit: ½	Grade: 11, 12
This elective class offers students a chance to explore interests, future career options, and to become knowledgeable with the college admission process and scholarship research. In addition, they will identify their learning style, practice resume writing for college, and develop information literacy skills. General topics covered: major/career exploration, college admission process, setting educational and personal goals, study skills, resume writing, information literacy financial literacy and health and wellness strategies.		
DIGITAL MEDIA Prerequisite: None	Credit: ½	Grade: 9, 10, 11, 12
This course covers the basic components of creating a variety of digital media products including photos, videos, graphic design, and web design. We survey various styles and techniques; plus software and hardware used in the industry to tell stories, transmit information and entertain people.		
GUIDED LEARNING Prerequisite: None	Credit ½	Grade: 9,10,11,12
A <u>pass or fail</u> elective that is designed to help students achieve academic success by providing structured study time to complete work from other courses and achieve better understanding. Students		

learn organizational and study skills. The instructor updates students on their grades and assists them by collaborating with each of the student's instructors to define how to best support student success.

INTRODUCTION TO AVIATION Prerequisite: none 2017	Credit: 1	Grade: 9, 10, 11, 12
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This curriculum is being created through a partnership of Purdue University and AOPA (Aircraft Owners and Pilots Association). The program offers students comprehensive four- year aviation study options that are aligned to rigorous math and science standards. Four distinct pathways of study may be offered: Pilot, Aerospace Engineering, Unmanned Aircraft Systems (UAS), and Aviation Technology, depending on the number of students interested in each pathway. The curriculum incorporates grade-appropriate learning, building on the skills and knowledge developed in each grade level.

INTRODUCTION TO FLIGHT & AIRCRAFT SYSTEMS Prerequisite: Introduction to Aviation	Credit: 1	Grade: 10, 11, 12
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This course will introduce students to the basic aircraft structures and their major components, principles of flight and the fundamental physical laws affecting flight. Design characteristics will be covered, including concepts surrounding aircraft stability, controllability, and the effect of weight and balance on flight performance. Students will learn different types of power plants and how they support the operation of the aircraft. The course will cover several different types of fuel systems and critical components of aircraft electrical systems. Finally, students will learn about various systems that drive flight instruments and how those flight instruments operate.

INTRODUCTION TO EDUCATION PRACTICUM Prerequisite: Administration approval	Credit: ½	Grade: 11, 12
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Students are assigned to a classroom to work with specific particular students or to the SMILE Zone. SMILE instructors train Peer Mentors to assist with the spiritual, academic, and social needs of other students. Peer Mentors receive a grade, which is computed in their cumulative GPA; therefore, Peer Mentors are required to be in the classroom or SMILE Zone on time every day and ready to assist.

INTRODUCTION TO HEALTHCARE Prerequisite: None	Credit: ½	Grade: 11, 12
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Introduces a variety of topics related to healthcare. Areas of study include ethical responsibilities, cultural considerations, teamwork within medical professionals, and the Catholic Church's history in healthcare. Guest speakers share experiences and insights regarding a variety of careers in the medical field. Students visit St. Luke's Medical Center for a behind the scenes look of a state of the art healthcare facility. *Students acquire their Basic Life Support certification from the American Heart Association and engage in an off-campus healthcare related activity. A fee for the BLS certificate may apply.*

CHILD DEVELOPMENT Prerequisite: Completion of or currently enrolled in Psychology	Credit: ½	Grade: 11, 12
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This course focuses on human development from conception through adolescence. The main goal of the course is to provide students with an understanding of physical, emotional, social, and cognitive

changes during childhood. Students will learn to recognize how environments can enhance or hinder healthy development. *This course has not been finalized and may not be available for 2018-2019.*

PRINCIPLES OF ENGINEERING (PLTW)

Prerequisite: Completed or currently in Geometry

Credit: 1

Grade: 9, 10, 11, 12

The first course in the Engineering pathway of Project Lead the Way. Students explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car.

CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

Prerequisite: Principles of Engineering

Credit: 1

Grade: 10, 11, 12

Students will learn the important aspects of building, site design and development. They apply math, science and stand engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

SPEECH

Prerequisite: None

Credit: ½

Grade: All

This course introduces the basics of speech communication through preparation, organization, imagination, and presentation. By preparing and delivering basic speeches, this course allows the students to acquire speech awareness, technique, and confidence.

SENIOR PRACTICUM

Credit: ½

Grade: 12

St. Michael the Archangel Senior Practicum Experience is designed to provide students with the opportunity to help them discover their God-given talents and explore possible vocations outside of the SMA community. This program enables students to extend their learning beyond the classroom and offers an opportunity for them to apply their acquired knowledge and skills from high school to an independent area of personal interest.

Student Requirements:

Must be in good academic standing and on track for graduation.

Must have transportation to the site (school will not provide transportation).

Students must secure their own Practicum Experience. (find an appropriate business/office/etc. with which to complete the Practicum experience)

Must attend All School Masses and all House activities.

Must be in attendance at school by 10:00am

Student must be in uniform and will be held accountable to all SMA policies while participating in Senior Practicum experience, even when not on campus.

Must complete Senior Practicum Application available in the Counseling Office.

TEACHER ASSISTANT

Prerequisite: Administration approval

Credit: ½

Grade: 11, 12

Students who have a proven maturity to handle the responsibilities of administrative assistance are assigned to a specific instructor or administrator for one semester to assist that professional in a variety of ways. Students may be assigned to assist in the following departments: Academics, Athletic Office, Technology, Community Life, Marketing, Main Office, and Facilities.