



Course Catalog

2024-2025 School Year

GENERAL INFORMATION

Graduation Requirements

Advanced Placement Information

University of California/Cal State A-G Subject Requirements

Student Athlete Information

Scheduling Information

COURSE DESCRIPTIONS

Religious Studies

English

Social Studies

STEM (Science, Technology, Engineering, Mathematics)

Mathematics

Science

World Languages

Performing Arts

Visual Arts

Film and Media Arts

Leadership Studies

Center for Learning

Directed Studies

Office Aides & Other

Athletics

Club Sport

GRADUATION REQUIREMENTS

To receive a diploma from Mater Dei High School, students who attend Mater Dei grades 9-12, must successfully complete (“D” or better) the following requirements. All graduation requirements must be taken at Mater Dei from the time a student enrolls in the school.

CLASS OF 2022, 2023, 2024, 2025

Required Course (1 semester = 5 credits)	Required Years	Required Credits
Religious Studies	4	40
English	4	40
Mathematics	3	30
Science	2	20
Social Studies	3	30
World Languages (Same Language)	2	20
Visual or Performing Art	1	10
Additional Credits/Elective Courses*	7	70
Total		260 Credits
Christian Service + Reflection	80 Hours	

*All credits earned in excess of the required courses in any subject area will count toward the “Additional/Elective” requirement

CHRISTIAN SERVICE REQUIREMENT

Christian Service Program	Required Hours
Christian Service Hours	80 Hours Total (Minimum of 40 Direct Hours)
Reflection Essay OR Group Discussion	Completed in Senior Year after 80/+ Hours Submitted
Deadlines For Community Service Hours	
Deadline	November March
Freshman Year	10 hours 20 hours
Sophomore Year	30 hours 40 hours
Junior Year	50 hours 60 hours
Senior Year	70 hours 80 hours & Reflection
For more information, please call Campus Ministry (714) 850-9558 or visit the Campus Ministry page on the website.	

COURSE REMEDIATION

- A grade of “D” or higher is considered passing at Mater Dei (Note a “C” or higher is often required to meet college admissions requirements)
- If a student fails a course, he/she is expected to make up the course in summer school following that school year
- All “F” grades on a transcript must be made up before a diploma will be issued
- Any student who has three (3) or more “F” grades on his/her transcript that have not been remediated will not walk or participate in Commencement Exercises

- He/she will receive a diploma only when the “F” grades are made up
- Incompletes (I) must be made up no later than the following semester. If they are not made up, incompletes become “F” grades.
- If a student plans to make up “D” or “F” grades in the summer at a school/program other than Mater Dei, the student must obtain an off-campus permission form from the Counseling Office prior to registering at the off-campus site. Upon the completion of the required course, a report card or official transcript must be submitted directly to the Registrar’s Office.

SCHOOL GRADES / GRADING SCALE

Grade	Percent	GPA: College Prep	Weighted GPA: AP/Honors	GPA Description
A	100-90%	4.0	5.0	Excellent
B	89-80%	3.0	4.0	Good
C	79-70%	2.0	3.0	Average
D	69-60%	1.0	1.0	Poor
F	< 60%	0	0	Failure

ADVANCED PLACEMENT COURSES

In order to meet the needs of our academically talented students, the Art, English, Foreign Language, Math, Music, Science, and Social Studies departments offer classes that prepare students for the College Board Advanced Placement Examinations.

Students must meet prerequisites and be recommended for these courses by their teachers, pass the appropriate placement exams, and have the approval of the respective Department Chair. **All students in Advanced Placement Courses (AP) are required to take the AP Exam in that subject and must pay the fee approximately \$115.00* per exam (approximately \$155* for AP Capstone Seminar) by fall. Changes to exam registration may incur additional fees. AP Fees will be paid through your FACTS account. You will receive a notification from FACTS via email. *Fee is subject to change by the College Board.**

A student who earns a 3, 4, or 5 on the AP Exam may receive credit and/or placement towards his/her B.S/B.A. degree. To find colleges and universities with AP credit policy information, please visit:

<http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp>

STUDENT-ATHLETE INFORMATION

Juniors and Seniors planning to play sports at the collegiate level must comply to **NCAA or NAIA requirements**.

NCAA

Search and view Mater Dei's NCAA Course List at:

<https://web3.ncaa.org/hsportal/exec/hsAction>

To participate in NCAA Division I or II athletics in college:

- View the NCAA Guide to the College-Bound Student-Athlete: http://fs.ncaa.org/Docs/eligibility_center/Student_Resource/CBSA.pdf
- Register with the NCAA Eligibility Center: <https://web3.ncaa.org/ecwr3/>
- Order your official transcript to the NCAA Eligibility Center: www.parchment.com/u/registration/26645/account
- Order your official ACT/SAT test scores to be sent to the NCAA Eligibility Center: www.act.org or www.collegeboard.org
- Please see your counselor should you have any questions

NAIA

To participate in athletics at an NAIA member school in college:

- View the NAIA Guide for the College-Bound Athlete: https://play.mynaia.org/media/1091/naia_guide_college_bound_student.pdf
- Register with the NAIA Eligibility Center: <https://www.playnaia.org/>

UC/CSU A-G REQUIREMENTS

Mater Dei's UC/CSU-approved Course List:

<http://hs-articulation.ucop.edu/agcourselist#/list/details/3546/22>

"A-G Designation" = UC/CSU approval

	Subject	CSU	UC
A	History/Social Science	2 years	2 years
B	English	4 years	4 years
C	Mathematics (incl. Geometry)	3 years	*4 years
D	Laboratory Science (1 yr life + 1 yr physical)	2 years	*3 years
E	Foreign Language (same language)	2 years	*3 years
F	Visual/Performing Art	1 year	1 year
G	College Prep Electives	1 year	1 year

* = Number of recommended years

- Order your official transcript to be sent to the NAIA Eligibility Center: www.parchment.com/u/registration/26645/account
- Order your official ACT/SAT test scores to the NAIA: www.act.org or www.collegeboard.org
- Please see your counselor should you have any questions

IMPORTANT NOTES ON SCHEDULING

Mater Dei High School reserves the right to modify courses listed in the Course Catalog and to cancel courses due to insufficient enrollment. An average class size is approximately 30 students, and no class can be less than 25 students without specific authorization from the Principal or Assistant Principal of Academic Services.

- Scheduling is done online in the spring through Aeries Student Portals for current students.
- Students' courses may be changed if there is an error in placement, conflict between elective choices, insufficient course enrollment, not meeting course prerequisites, or the class being full.
- All student schedules are assigned by computer. The master schedule system balances all class sizes and randomly assigns teachers and periods. **To maintain proper class balance and fairness to all, students/parents may not request a schedule change to accommodate a teacher or block of their choice.**

- Classes are semester-long and year-long. Once placed into a class, students must remain in that class until the end of the school year.
- Students have the opportunity to **ADD/DROP** courses within the first two weeks of the fall semester
- Prerequisites for any subject must be met at the end of the first semester and maintained at the end of the second semester

RELIGIOUS STUDIES

All Religious Studies courses incorporate the Diocese of Orange Department of Catholic Schools Criteria for Safe Environment Curriculum.

The following curriculum is developed in accord with the *Doctrinal Elements of a Curriculum Framework* set forth by the United States Conference of Catholic Bishops.

***Religious Studies courses are not UC or CSU approved unless otherwise indicated.**

	Freshman Year	Sophomore Year	Junior Year	Senior Year
Required Courses	Religious Studies 1: Sacred Scripture and Tradition	Religious Studies 2: Paschal Mystery/The Church	Religious Studies 3: Sacraments and Ethics	Religious Studies Electives: Christian Lifestyles Comparative Religion Peace and Justice Intro to Philosophy Religious Studies Aide

114 RELIGIOUS STUDIES I: APOLOGETICS, SCRIPTURE AND TRADITION

Course Length: Year
Grade Level: 9
A-G Designation: None
Prerequisite: None; required for all freshmen

Rooted in Sacred Scripture and Tradition this course explores God’s Revelation, Jesus as the Living Word of God—both human and divine, the Trinity, the Liturgical Year, the Incarnation, and Mary, the Mother of God. Students learn to navigate the Bible and use basic exegetical skills which aide in achieving a deeper understanding of the Bible and Salvation History. Students explore the stories of Primeval History, the Patriarchs, Moses, Judges, Kings, and Prophets. Through this study, students are able to understand why salvation history is integral to comprehending the covenantal relationship between God and the Israelites and Jesus as the fulfillment of God’s revelation and plan of salvation. This course is designed to help students reflect on their faith to understand the ultimate call of all humans; to love and to find true happiness and joy in response to their faith.

SUPPLEMENTARY UNITS TO THE DOCTRINAL CURRICULUM:

Substance Abuse, Awareness, and Prevention: The substance abuse lessons explore the physical, emotional and spiritual consequences of the use and abuse of chemical substances. By studying their internal and external assets the students will learn about the importance of engaging in healthy relationships and activities throughout their life.

Human Dignity and Creating Healthy Relationships: This unit addresses Catholic Social Teaching of Human Life and Dignity.

The lessons are designed to help young Catholics think through the many choices and decisions they must make to develop healthy, loving relationships and set healthy boundaries for themselves.

121 RELIGIOUS STUDIES II: PASCHAL MYSTERY/THE CHURCH

Course Length: Year
Grade Level: 10
A-G Designation: None
Prerequisite: None; required for all sophomores

FALL SEMESTER: Paschal Mystery

The first semester course is designed to introduce students to what it means to be a disciple of Christ. Students will study the Gospels through various lenses and explore the life, teachings, miracles, and ministry of Jesus Christ. God's redeeming presence through Jesus Christ is explored in-depth through the study of the Paschal Mystery: the meaning of his life, death, Resurrection and Ascension.

SPRING SEMESTER: The Church

The second semester course is designed to help students discover what it means to belong to the Living Body of Christ. Students will study the historical foundations and sacred traditions of the Church, as well as its mission in the world today. They will learn about the sacredness of the Church in all her dimensions: as one, holy, catholic and apostolic. Students will be introduced to various ways of participating in the Church as disciples of Christ and how to live in loving relationship with God and God’s people.

SUPPLEMENTARY UNITS TO THE DOCTRINAL CURRICULUM:

Save the Date

A supplementary course called “Save the Date” focuses on the prevention of abuse in romantic relationships. This course identifies the characteristics of healthy relationships, early warning signs and dynamics of abuse, and the importance of positive self-esteem. Students will develop skills in conflict resolution, recognizing and building appropriate and healthy relationships, and ways of assisting others.

134 RELIGIOUS STUDIES III: SACRAMENTS

Course Length: Semester
Grade Level: 11
A-G Designation: None
Prerequisite: None; required for all juniors

This course guides students in understanding the centrality of sacraments in the life of the Church as encounters with Christ. They also identify key elements of prayer and worship, the Sacraments of Initiation: Baptism, Confirmation, and Eucharist; the Sacraments of Healing: Penance/Reconciliation and Anointing of the Sick; and the Sacraments at the Service of Communion: Holy Orders and Matrimony.

135 RELIGIOUS STUDIES III: ETHICS

Course Length: Semester
Grade Level: 11
A-G Designation: None
Prerequisite: None; required for all juniors

In Ethics, students develop a greater understanding of the foundational principles of morality and the moral decision-making process as rooted in the Ten Commandments, Scripture, Tradition, and the primary source documents of the Catholic Church. Learning to live as disciples of Christ—love God and love neighbor, students make applications to specific moral questions in the areas of honoring God, beginning-of-life and end-of-life bio-medical issues, human sexuality, integrity, justice, care for God’s creation, peace and legitimate defense, and media literacy and information technology.

SENIOR RELIGIOUS STUDIES CLASSES

Please refer to your MD student iBooks library to access the Religious Studies Senior Electives iBook for information about the elective choices. An Apple device (iPad or Mac) is required to access this iBook.

- Course changes, adds, and drops may not occur after two weeks into the semester for senior level Religious Studies classes
- Students must select **two** of the following semester courses:

RELIGION ELECTIVE	UC-Approved Elective	NCAA-Approved
142 Christian Lifestyles	No	No

152 Comparative Religion	✓	✓
153 Peace and Justice	✓	No
154 Intro to Philosophy	✓	✓
155 Religious Studies Aide	No	No

142 RELIGIOUS STUDIES IV: CHRISTIAN LIFESTYLES

Course Length: Semester
Grade Level: 12
A-G Designation: None
Prerequisite: None; seniors are required to take 2 Religious Studies IV Electives

This course leads the students toward a deeper understanding of God’s call concerning the four states of life: married, single, ordained, and consecrated. Emphasis is placed on vocation as God’s personal call to each of us and our response. Themes that are common to all four vocations are explored: identity, love, communication, sexuality, lifelong learning, work, money and possessions, and leisure.

152 RELIGIOUS STUDIES IV: COMPARATIVE RELIGION

Course Length: Semester
Grade Level: 12
A-G Designation: “G” - College-Preparatory Elective
NCAA: NCAA-approved course – Additional Core Courses
Prerequisite: None; seniors are required to take 2 Religious Studies IV Electives

The *Comparative Religions* course guides students in approaching with reverence the teachings, rules of life, and sacred rites of world religions. Students examine the Church’s relationship to non-Catholic Christians and non-Christian religions. Along with studying basic beliefs, codes of conduct and styles of worship, students examine the local and global issues that influence the practice of religion today. **This is a UC and CSU approved course.**

153 RELIGIOUS STUDIES IV: PEACE AND JUSTICE

Course Length: Semester
Grade Level: 12
A-G Designation: “G” - College-Preparatory Elective
Prerequisite: None; seniors are required to take 2 Religious Studies IV Electives

This course is about the problems we all share in this world: war, human trafficking, euthanasia, capital punishment, racism, international and domestic poverty, and environmental destruction. Fortunately, each of us can contribute to a more just and peaceful world. We are inspired and guided by the social teachings of the Catholic Church. In this course, students learn that God loves us and made us to create communities that respect human life and dignity, care for the

poor and vulnerable, defend worker's rights, live in solidarity, and care for the environment. The key to addressing big these problems comes from understanding their historical origins the social structures that maintain oppression and injustice today. That is why this course is also a study of history, economic systems, legal systems, education systems, government, and culture. We are also learn best practices from social justice leaders and movements of the past. This course is about being the people God calls us to be; being the people the world needs right now. With God's help and the guidance of the Church, we can carry on that universal task of building a world of peace and justice. **This is a UC and CSU approved course.**

expectations will be signed by the student and parent.

154 INTRODUCTION TO PHILOSOPHY: GREAT THINKERS OF THE WESTERN WORLD

Course Length: Semester

Grade Level: 12

A-G Designation: "G" - College-Preparatory Elective

NCAA: NCAA-approved course – Additional Core Courses

Prerequisite: None; seniors are required to take 2 Religious Studies IV Electives. 3.0 GPA is recommended

This course is designed to offer the students an overview of Western Philosophy from the 6th century B.C.E. through the 19th century C.E. Students will be exposed to the fields of philosophy (logic, epistemology, metaphysics, ethics, aesthetics, philosophy of religion, philosophy of mind, political philosophy, determinism and freedom) through an overview of the major movements found within each of these fields. Students will examine the Christian perspective within each of these fields. As they examine the history of mankind's investigation into the existence of God and what it means to act ethically, they will be more adequately prepared to present a rational argument for their own faith. **This is a UC and CSU approved course.**

155 RELIGIOUS STUDIES IV: RELIGIOUS STUDIES AIDE

Course Length: Semester

Grade Level: 12

A-G Designation: None

Prerequisites: Cumulative GPA of 3.0, GPA of 3.5 in Religious Studies, recommendation of current or past Religious Studies teacher, application submitted to department chair in the spring of the junior year, and interview with the department chair and/or freshmen level chair in the spring of the junior year.

Note: Students must also sign up for 142 Christian Lifestyles, 152 Comparative Religion, 153 Peace and Justice, or 154 Introduction to Philosophy.

This course gives an opportunity for seniors interested and talented in Religious Studies to aid Freshmen Religious Studies teachers in their classes. Activities may include leading group discussions, assisting students, leading prayer, researching designated topics for teacher presentations, and developing and teaching a lesson. A contract outlining course requirements and

students with recommended readings.

The Honors and Advanced Placement English Program at Mater Dei is composed of six rigorous courses demanding significantly more time and effort than the college prep English classes. Therefore, it is important to understand the demands and the responsibilities of the program.

ADMISSION

Any student who receives an “A” both semesters in College Preparatory English, has a cumulative 3.5 GPA, demonstrates “Mastery” in multiple compositional skills of the departmental writing assessment, and passes the course Qualifying Exam, may be admitted to Honors or Advanced Placement. The Qualifying Exam is administered early in the second semester. The expectations of the program are explained to all prospective students. Students and parents are required to sign a contract stating the class expectations on acceptance into the program.

HONORS AND ADVANCED PLACEMENT SUMMER ASSIGNMENT

Currently, the Mater Dei community has mutually agreed to not require summer work; however, the nature of Advanced Placement, per the College Board’s guidelines and expectations, is rigorous, requiring a wide knowledge base. So, we encourage potential AP English students to read widely and consistently. Students who are interested in Honors can also benefit from choosing to read. All Honors and AP teachers can provide

GRADE POINT REQUIREMENTS

In order to continue in the Honors and AP English program, the student must maintain a minimum grade of “B” both semesters in the Honors course. Failure to maintain the minimum means that the student will be placed in the regular college preparatory English class for the following school year.

ADVANCED PLACEMENT EXAM

Juniors and Seniors taking Advanced Placement English **are required to take** the Advanced Placement Examination. An AP Test Fee applies.

ADMISSION OF STUDENT TO HONORS OR ADVANCED PLACEMENT DURING THE SUMMER

TRANSFER STUDENTS NEW TO MATER DEI

New students must meet the same requirements as other students. They may be required to take, and pass, the Qualifying Exam before placement is confirmed.

ADMISSION OF STUDENTS TO HONORS OR ADVANCED PLACEMENT WHO TRANSFER INTO MATER DEI DURING THE SCHOOL YEAR.

A transfer student will be placed according to his or her former school’s assigned class.

	Freshman	Sophomore	Junior	Senior
College Prep	English I A English I	English II	English III	English IV
Honors	Hn English I	Hn English II		
Advanced Placement			AP English Literature and Composition	AP English Language and Composition
Electives	Academic Decathlon Academic Decathlon Hn Creative Writing I/II	Academic Decathlon Academic Decathlon Hn Creative Writing I/II	Academic Decathlon Academic Decathlon Hn Creative Writing I/II	Academic Decathlon Academic Decathlon Hn Creative Writing I/II CSU Expository Reading and Writing

*All English courses are both UC and CSU approved courses unless otherwise indicated.

209 CSU EXPOSITORY READING AND WRITING

Course Length: Year

Grade Level: 12

A-G Designation: “B” – English

NCAA: NCAA-approved course – English

Prerequisites: Successful completion of all previous English courses (Required)

The grade 12 Expository Reading and Writing Course (ERWC) engages students in the discovery of who they are as persons, the realization of the ways in which they can participate in society, and their development as critical consumers and effective communicators within society. Teachers and schools build and personalize the yearlong course by selecting from approximately 40 modules (instructional units) to meet rigorous, college-preparatory learning goals in reading, writing, listening, and speaking for all students while promoting student interest and motivation. Employing a rhetorical, inquiry-based approach that fosters critical thinking, student agency, and metacognition, the course includes five to six full-length modules drawn from three categories: 1) Shakespeare drama; 2) full-length books; and 3) contemporary issues (three to four modules). In addition, the course includes two short portfolio modules and at least three mini-modules that address transferable skills applicable to conceptual development and practice across all modules, e.g., genre awareness, goal setting and self-assessment, rhetorical situation, Aristotelian appeals. The core structure of all the modules—the Assignment Template—progresses along an “arc” from reading rhetorically (preparing to read, reading purposefully, and questioning the text) to preparing to respond (discovering what you think) to writing rhetorically (composing a draft, revising rhetorically, and editing). By the end of the course, students will have read a range of literary and nonfiction text genres and produced 10-12 culminating projects, including academic essays, creative writing and performances, and multimedia presentations/research reports, from initial draft to final revision and editing.

210 ENGLISH I A

Course Length: Year

Grade Level: 9

A-G Designation: “B” – English

NCAA: NCAA-approved course – English

Prerequisites: None

English 1A is a freshman-level English course that develops proficiency of the English language through reading comprehension and analysis, writing development, speaking fluency, vocabulary and grammar usage. Students are introduced to basic literary forms (the short story, the novel, the epic, poetry, and drama) designed to provide a background for further analytical study of literature. The writing process is emphasized throughout the year to support the compositional requirements in subsequent courses. The course is recommended for students who need encouragement in

reading and English language development. The course is intended to strengthen English skills and better prepare students for college-level curriculum.

211 ENGLISH I - LITERARY FORMS AND COMPOSITION

Course Length: Year

Grade Level: 9

A-G Designation: “B” – English

NCAA: NCAA-approved course – English

Prerequisites: None

This course is an introduction to basic literary forms (the short story, the novel, the epic, poetry, and drama) designed to provide a background for further analytical study of literature. The following skills are developed and refined through a variety of in-class and at-home assignments: studying, vocabulary, grammar, and composition. The writing process is emphasized throughout the year to support the compositional requirements in subsequent courses.

212 HONORS ENGLISH I

Course Length: Year

Grade Level: 9

A-G Designation: “B” – English

NCAA: NCAA-approved course – English

Prerequisites: Admission based on scores from the Entrance Exam, approval of the Department Chair, and a passing score on the Honors Qualifying Writing Test may be required.

This course provides an in-depth study of literature, including an introduction to a variety of literary genres: the short story, poetry, drama, and the novel. It serves as the first building block in the series of English courses leading to Advanced Placement English. The course introduces students to literary analysis through the study of literary terminology and writing about literature. It focuses on the skills of close reading, critical thinking, literary analysis, writing about literature, essay writing, grammatical accuracy in writing, vocabulary development, and communication skills. It also provides the foundation for much of the literature to be studied in the junior and senior years through study of biblical and mythological allusions and archetypes in literature. Proficiency in grammar, reading comprehension, analytical thinking, and writing are vital.

Parents and student are required to sign a contract indicating an understanding that the course requires significantly more time and is significantly more challenging than the college prep course. **NOTE:** Students in Honors English must maintain a “B” in both semesters and a cumulative G.P.A. of 3.5 in order to be eligible for honors English the following year.

223 ENGLISH II – WORLD LITERATURE

Course Length: Year

Grade Level: 10

A-G Designation: “B” - English

NCAA: NCAA-approved course – English

Prerequisites: None

World Literature is a college preparatory course which teaches students to apply literary lenses to texts written by authors from around the world. Through multicultural short stories, Shakespearean tragedy, works of nonfiction, contemporary novels, and poetry, students will consider the overarching question: How can reading literature from a variety of perspectives teach me about myself and others? Throughout the course, students will develop their language and writing skills through multiple forms of written responses and vocabulary assignments. Additionally, students will compose a research paper in which they examine the world around them in order to develop a deeper understanding as to how they fit within the greater context of society.

222 ENGLISH II - HONORS WORLD LITERATURE

Course Length: Year

Grade Level: 10

A-G Designation: “B” – English

NCAA: NCAA-approved course – English

Prerequisites: “A” in both semesters of college prep English I, demonstrates “Mastery” in 3+ compositional skills of departmental writing assessment, and a passing score on the Honors Qualifying test or at least a “B” in both semesters of Honors English I, and approval of the Honors course instructor.

This course provides an in-depth study of literature, including ancient and modern drama, the novel, romantic and classical poetry, and short story selections. It serves as the second building block in the series of English courses leading to Advanced Placement English. The course focuses on seminal works and masterpieces of British and American literature, as well as some world literature, and continues the development of the skills of close reading, critical thinking, literary analysis, writing about literature, essay writing, grammatical accuracy in writing, vocabulary development, and communication skills. It continues to provide the foundation for much of the literature to be studied in the junior and senior years. The course approaches literary works with scholarly criticism and attention to detail. Proficiency in grammar, reading comprehension, analytical thinking, and writing are vital.

Parents and student are required to sign a contract indicating an understanding that the course requires significantly more time and is significantly more challenging than the college prep course. **NOTE:** Students in Honors English must maintain a “B” in both semesters and a cumulative G.P.A. of 3.5 in order to be eligible for honors or AP English the following year.

224 ENGLISH AIDE

Course Length: Semester

Grade Level: 12

A-G Designation: None

NCAA: NCAA-approved course – English

Prerequisites: Cumulative GPA of 3.0, GPA of 3.5 in English, recommendation of current or past English teacher, application submitted to department chair in the spring of the junior year, and interview with the department chair and/or freshmen level chair in the spring of the junior year.

Note: Students must also sign up for 209 CSU Expository Reading and Writing, 242 English IV, or 244 Advanced Placement Language and Composition.

This course provides seniors who are passionate about and interested in English the opportunity to support Freshmen English teachers in their classes. Activities may include assisting students with reading and writing tasks, facilitating small group discussions, conducting research on specific topics for teacher presentations, and collaborating on lesson development. While aides will not grade or directly instruct students, they will play a vital role in enhancing the learning environment. A contract outlining course requirements and expectations will be signed by the student and parent.

223 ENGLISH III - AMERICAN LITERATURE

Course Length: Year

Grade Level: 11

A-G Designation: “B” - English

NCAA: NCAA-approved course – English

Prerequisites: None

This course is a study of the major works of American literature from the Early American period to the Modern period. Students will consider the following overall question: What is America’s story and how is it told? While each unit is a chronological study of American literature, students will also be exposed to contemporary writings (informational, poetry, short stories, speeches, and more) to expand their growth and understanding of the complexities within each period. In addition to the study of literature, the course includes language study (grammar, usage, and vocabulary) and engaging in the writing process (a multi-paragraph essay and a research paper).

242 ENGLISH IV - SENIOR ENGLISH

Course Length: Year

Grade Level: 12

A-G Designation: “B” - English

NCAA: NCAA-approved course – English

Prerequisites: None

This course is designed to give students reading and writing skills which will help them to succeed at the college level. Extensive work will be devoted to analyzing complex texts, developing critical thinking skills, and writing a variety of essays. Additionally, students are supported in various aspects of the college application process.

This course is a study of the major works of British literature from the Anglo-Saxon period to the Modern period. In addition to the study of literature, the course includes language study (grammar, usage) and writing in several genres (narrative, argumentative, expository). Special emphasis will be given to drama, essays, poetry, and the novel. Through composition as well as literature studies, students are encouraged to develop and articulate an informed coherent personal world view that addresses the major moral, philosophical, and ethical problems faced by contemporary society.

243 ADVANCED PLACEMENT LITERATURE AND COMPOSITION

Course Length: Year

Grade Level: 11

A-G Designation: "B" - English

NCAA: NCAA-approved course – English

Prerequisites: "A" in both semesters of college prep English II, and a passing score on the AP Qualifying test -OR- at least a "B" in both semesters of Honors English II, and recommendation of English course instructor.

This course offers the student a rigorous and in-depth study of literature to prepare the student for the Advanced Placement Examination. The course will cover a broad scope of the world's great literature. The student does extensive reading and critical writing.

Parents and student are required to sign a contract specifying the student's obligations in this class and indicating an understanding that the course requires significantly more time and is significantly more challenging than the college prep course.

All students are required to take the AP Examination in English Literature and Composition. An AP Test Fee applies. Students have the option to take the AP Examination in English Language and Composition as well.

244 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Course Length: Year

Grade Level: 12

A-G Designation: "B" - English

NCAA: NCAA-approved course – English

Prerequisites: "A" in both semesters of college prep English III, and a passing score on the AP Qualifying test -OR- at least a "B" in both semesters of Honors English III, and recommendation of

English course instructor.

This course offers the student a rigorous and in-depth study of various fiction and non-fiction texts. As the emphasis of this course is rhetoric and writing studies, we will primarily focus on the study of speeches, essays, biographies and autobiographies as well as advertisements in order to prepare students for the AP examination.

Parents and student are required to sign a contract specifying the student's obligations in this class and indicating an understanding that the course requires significantly more time and is significantly more challenging than the college prep course.

All students are required to take the Advanced Placement Examination in English Language and Composition. An AP Exam Fee applies. Students have the option to take the AP Exam in English Literature and Composition as well.

905 SPEECH & DEBATE / COMPETITIVE SPEECH AND DEBATE

Course Length: Year

Grade Level: 9-12

A-G Designation: "G" - College-Preparatory Elective – **approval pending**

NCAA: Not an approved course

Prerequisite: Written application.

This class is designed to prepare students for competitive speaking and debating through the fundamentals of effective oral delivery, voice and diction, physical presentation, and appropriateness as well as the basics of rhetorical analysis and structure of both prepared and extemporaneous speeches and the various debate formats. For each of the interpretive events, students will read a variety of potential scripts from established writers of drama, poetry, fiction and nonfiction, analyze and edit the chosen work, and perform the selection in class and in competition. Students will study and analyze the various elements of speeches of significant merit by a variety of public figures then prepare interpretations of selected speeches, again in class and in competition. Original persuasive and informative speeches will be researched, written, and prepared for delivery. Students will develop the skills needed to evaluate and incorporate research, build a working knowledge of national and international public policy issues and contemporary cultural trends, and apply this knowledge to preparation for and competition in spontaneous events and debate topics. In addition to discussions reflecting student interests, all students will prepare for a competitive debate format using topics selected by the National Speech and Debate Association. Because this is a co-curricular course, students will be required to compete at a minimum of four local speech and debate tournaments during the year. Parents of students will be expected to judge events at these competitions in order to keep the necessary fees reasonable.

951 ACADEMIC DECATHLON

Course Length: Year

Grade Level: 9-12

A-G Designation: None

NCAA: Not an approved course

Prerequisite: Completion of application. Successful completion of qualifying reading quiz. Approval of course instructor.

This course prepares students for the February competition of the Academic Decathlon. The Decathlon is offered nationwide and gives students an opportunity to compete in ten different academic areas: mathematics, science, language and literature, economics, social science, fine arts, essay, speech, interview and super quiz. Nine students will be selected to compete as a team in February: three "A" students, three "B" students, and 3 "C" students, based on the Decathlon G.P.A. guidelines. Winners from the competition receive medals and many students have received scholarships to college based on their performance. **This is not a UC and CSU approved course.**

951H ACADEMIC DECATHLON HONORS

Course Length: Year

Grade Level: 9-12

A-G Designation: "G" - College-Preparatory Elective

NCAA: Not an approved course

Prerequisite: Completion of application. Successful completion of qualifying reading quiz. Approval of course instructor.

This course provides students with a rigorous and diverse learning experience that spans many academic disciplines. Students will deeply research and study topics in seven academic areas: language and literature, music, art, economics, science, social science and mathematics. They will also study and participate in the performance activities of speech, essay-writing and interviewing. Students will develop research skills, critical thinking skills, and inference abilities, through working both individually and as a team.

Students compete at the local, regional, and state levels. "A" students, "B" students, and "C" students participate, based on the United States Academic Decathlon ([USAD](#)) GPA guidelines. Winners earn medals, and many students have received scholarships to college based on their performance.

250 CREATIVE WRITING I

Course Length: Semester

Grade Level: 9-12

A-G Designation: "B" - English

NCAA: NCAA-approved course – English

Prerequisite: None

A semester elective course where students will explore the craft of creative writing, including nonfiction, short story, drama and poetry. Students will develop observation, analytical and writing

skills, as well as developing their knowledge and ability to use common literary devices. The students will read literary works critically in order to aid them in their own writing process. The focus will be on helping the students develop a unique, personal voice and style within their writing. If you enroll in Creative Writing I for the fall you will automatically be enrolled in the Creative Writing II course for the spring.

251 CREATIVE WRITING II

Course Length: Semester

Grade Level: 9-12

A-G Designation: "B" - English

NCAA: NCAA-approved course – English

Prerequisite: C or higher in Creative Writing I

A semester elective course where students will specialize in one genre of writing introduced in Creative Writing 1: non-fiction, short story, drama or poetry. The students will read pieces from masters in their field of study as a source of inspiration, work independently on teacher-guided lessons, participate in writing workshops, and work collaboratively with classmates in the editing process.

SOCIAL STUDIES

	Freshman	Sophomore	Junior	Senior
College Prep		World History/Geography	US History	US Government (semester) Economics (semester)
Honors	Cultural Geography MUN Hn	Hn World History MUN	Hn US History MUN	
Advanced Placement		AP European History	AP US History	AP US Government (year) AP Macroeconomics (year)

*All Social Studies courses are both UC and CSU approved courses unless otherwise indicated.

** If a student drops an AP-Level Social Studies course, they will be enrolled in a College Prep-Level Social Studies course.

320 CULTURAL GEOGRAPHY MUN HONORS

Course Length: Year

Grade Level: 9

A-G Designation: "A" – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites: A minimum standard score on entrance exam

This course for academically talented freshmen combines the study of physical and cultural environments with the hands-on work of representing nations at Model United Nations conferences. Here the student will develop an understanding of current world problems and the research, speaking, writing and thinking skills needed to represent a nation effectively in interscholastic competitions.

Cultural Geography MUN Honors counts as an Elective towards Mater Dei High School Graduation. It counts as a Social Science course for UC/CSU A-G and NCAA Eligibility.

331 WORLD HISTORY

Course Length: Year

Grade Level: 10

A-G Designation: "A" – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites: None

This course examines major turning points in the shaping of the modern world from the 15th to the 20th centuries. With an emphasis on Western civilization, the course begins with the Absolutism and culminates with the Global War on Terror. Students will examine the political, social, economic, intellectual and cultural developments of Europe, Asia, Africa and the Americas.

321 HONORS WORLD HISTORY MUN

Course Length: Year

Grade Level: 10

A-G Designation: "A" – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites:

- (1) For Students currently enrolled in Cultural Geography/MUN Honors:
 - a. An "A" or "B" in Cultural Geography/MUN Honors
 - b. An "A" for the first semester of college-prep freshman English (or "B" or better in Honors English 1)
- (2) For students NOT currently enrolled in Cultural Geography/MUN Honors:
 - a. Minimum overall GPA of 3.60
 - b. An "A" for the first semester of college-prep freshman English (or "B" or better in Honors English 1)

This class is for academically talented sophomores with an interest in diplomacy, international relations, and current world issues. Students will examine the political, social, economic, intellectual, and cultural developments of Europe, Asia, Africa, and the Americas, beginning with Absolutism and culminating with the Global War on Terror. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. In order to serve as delegates of their assigned countries at required Model United Nations conferences, students will read extensively beyond the textbook and will engage in frequent in-depth investigations to find, organize, analyze, synthesize, and present their work at these local conferences.

330 ADVANCED PLACEMENT EUROPEAN HISTORY

Course Length: Year

Grade Level: 10

A-G Designation: "A" – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites:

- (1) Students enrolled in College-Prep English I (Literary Forms & Composition) or Honors English I must meet the following requirements:
 - a. Cumulative GPA of 3.6
 - b. An “A” in both semesters of College-Prep English I (OR a “B” or better in both semesters of Honors English I.)
 - c. Passage of the AP Qualifying exam in the spring with a minimum score of **70%** on both sections of the exam.

This course begins with an overview of the Middle Ages, then continues with an in-depth study of events ranging from the Middle Ages and the Renaissance through the post-Cold War Era and the unification of modern Europe. This course is a preparation for the national Advanced Placement Examination in European History, and all students are required to take this examination. Parents and students are required to sign a contract specifying the student’s obligations in this class. The expenses involved in this course include the purchase of a text, a workbook, and a materials fee (approx. \$150), as well as an AP Test fee. NOTE: Students must maintain a “B” in both semesters and a cumulative G.P.A. of 3.6 in order to be eligible for AP American History the following year.

332 UNITED STATES HISTORY AND GEOGRAPHY

Course Length: Year

Grade Level: 11

A-G Designation: “A” – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites: None

This course is a survey of the political, social and cultural movements in American history, beginning with the Civil War and Reconstruction, with an emphasis then on twentieth century events, then culminating with the twenty-first century and the War on Terror. Geographic concepts and skills are developed throughout the course.

322 HONORS US HISTORY MUN

Course Length: Year

Grade Level: 11

A-G Designation: “A” – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites:

- (1) Students who earned at least a “B” for both semesters of Honors World History/ MUN Honors and a cumulative GPA of 3.6 are automatically qualified to enroll in Honors United States History/MUN
- (2) Students enrolled in College -Prep World History must meet the following requirements: Cumulative GPA of 3.6.
 - a. An “A” in both semesters of World History
 - b. An “A” in both semesters of English II OR a “B” or better of both semesters of Honors English.

Honors United States History/Model United Nations: This class is for juniors with an interest in diplomacy, international relations, and current world issues. Students will examine the political, social, economic, intellectual, and cultural developments of the United States of America beginning with a review of the Civil War and Reconstruction, an emphasis on twentieth century events, culminating with the twenty-first century and the War on Terror. In order to serve as delegates of their assigned countries at required Model United Nations conferences, students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts by reading extensively beyond the textbook and engaging in frequent in-depth investigations to find, organize, synthesize, and present their work at these local conferences. Geographic concepts and skills are developed throughout the course.

333 ADVANCED PLACEMENT AMERICAN HISTORY

Course Length: Year

Grade Level: 11

A-G Designation: “A” – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites:

- (1) Students who have at least a “B” in both semesters of AP European History and a cumulative G.P.A. of **3.6** are automatically qualified to enroll in AP United States History.
- (2) Students enrolled in College-Prep World History or Honors World History MUN must meet the following requirements:
 - a. Cumulative GPA of **3.6**.
 - b. An “A” in both semesters of World History/Honors World History MUN.
 - c. An “A” in both semesters of English II (OR a “B” or better in both semesters of Honors English II.)

This course begins with an overview of New World exploration and continues with an in-depth study of events ranging from 1491 to the present through analyzing historical sources and learning to make connections and craft historical arguments. This course is a preparation for the national Advanced Placement Examination in American History, and all students are required to take this examination. Parents and students are required to sign a contract specifying the student’s obligations in this class. The expenses involved in this course include the purchase of a text,, as well as an AP Test Fee. NOTE: Students must maintain a “B” in both semesters and a cumulative G.P.A. of 3.6 in order to be eligible for AP Government the following year.

341 UNITED STATES GOVERNMENT

Course Length: Semester

Grade Level: 12

A-G Designation: "A" – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites: None

This course examines the theory and practice of the United States Constitution, with application to the operation of the national and local governments today, including the role and ideologies of political parties, the process of voting and elections, the role of each of the three branches of government, as well as the influence of PAC's, interest groups and the media. An emphasis is also placed on current events as they shape American society, economics and politics.

348 ECONOMICS

Course Length: Semester

Grade Level: 12

A-G Designation: "G" – College-Preparatory Elective

NCAA: NCAA-approved course – Social Science

Prerequisites: None

This course is a study of economics on a global scale. Students will examine the economic problems and institutions of the nation and world in which they live. Students will learn how to make reasoned decisions on economic issues as citizens, workers, consumers, business owners and managers, and members of civic groups. Fundamental Economic Concepts, Microeconomics, Macroeconomics, and the study of comparative economic systems operational in the world today will be covered. Measurement concepts and methods will be developed as well.

349 ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS

Course Length: Year

Grade Level: 12

A-G Designation: "A" – History/Social Science

NCAA: NCAA-approved course – Social Science

Prerequisites:

- (1) Students who have at least a "B" in both semesters of AP United States History and a cumulative G.P.A. of **3.6** are automatically qualified to enroll in AP Government.
 - (2) Students enrolled in College-Prep US History must meet the following requirements:
 - a. Cumulative GPA of **3.6**.
 - b. An "A" in both semesters of US History.
 - c. An "A" in both semesters of English III or a "B" or better in both semesters of Honors English III.
-

This course examines the theory and practice of the United States Constitution, with application to the operation of the

national government today. Students will examine the sources of political power/authority, the relationships between state, society and citizens as well as political institutions and frameworks. This course is a preparation for the national Advanced Placement Examination in American Government and all students are required to take this examination. Parents and students are required to sign a contract specifying the student's obligations in this class. The expenses involved in this course include the purchase of a text, a workbook, a monograph, and a materials fee (approx. \$150), as well as an AP Test Fee. Your required third year of Social Studies is fulfilled with this course.

344 AP MACROECONOMICS

Course Length: Year

Grade Level: 12

A-G Designation: "G" – College-Preparatory Elective

NCAA: NCAA-approved course – Social Science

Prerequisites:

- (1) Students who have at least a "B" in both semesters of AP United States History are automatically qualified to enroll in AP Macroeconomics.
 - (2) Students enrolled in College-Prep US History must meet the following requirements:
 - a. Cumulative GPA of **3.6**
 - b. An "A" in both semesters of US History.
-

This college level course will prepare the student to take the AP Macroeconomics examination, offered in the month of May. Following an introduction to the basic elements of economics, students will then study microeconomics, including market theory. The students will then study macroeconomics, which includes the study of national economic performance, the analysis of national income, price determination, and many other macroeconomic models. Lastly, the students will investigate international economics and developmental economics so that they will have an awareness of the internationalism of economics and be able to have a better understanding of the global economy. Your required third year of Social Studies is fulfilled with this course. An AP Exam Fee applies.

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS (STEM)

Mater Dei's Science and Math Departments offer a wide variety of Science, Technology, Engineering, and Mathematics courses to meet students' individual needs and interests. All Science and all Math courses include STEM projects to prepare students for success in college and future careers in both STEM and non-STEM fields. Additionally, students with an interest in STEM can choose to participate in the STEM electives offered through the Science Department along with their Science and Math courses.

We have designed the following pathways to help students plan their progression through STEM courses at Mater Dei. These pathways are considered samples- we revisit placements each year and can plan unique course progressions for students with different needs and interests. Most students take one Math and one Science course per year and courses cannot be taken twice.

SAMPLE SCIENCE & STEM PATHWAYS

Path	Freshman	Sophomore	Junior	Senior	Recommended
Designed for students interested in engineering or Computer Science	Biology ^{CP, HN}	Chemistry ^{*CP, HN}	Physics ^{CP, AP}	Physics ^{CP, AP (AP can be taken after CP)} AP Biology AP Chemistry Anatomy & Physiology ^{CP, HN}	Robotics competitive team STEM Distinction Program
Elective	Intro to Coding Robotics & Engineering	Robotics & Engineering Hn Robotics & Engineering 2	Hn Robotics & Engineering 2 AP Computer Science Principles	AP Computer Science Principles AP Computer Science A	
Designed for students with an interest in the medical field	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Anatomy & Physiology Sports Medicine ^{CP, HN}	Chemistry ^{*CP, HN} Physics ^{CP, AP} Anatomy & Physiology Sports Medicine ^{CP, HN}	Physics ^{CP, AP} AP Biology Anatomy & Physiology Sports Medicine ^{CP, HN}	Pre-Med Club Athletic Training course offered through Athletics Department STEM Distinction Program
Designed for students with an interest in Marine Biology , careers with animals , or environmental science	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Marine Biology ^{CP, HN} Zoology Anatomy & Physiology ^{CP, HN}	Chemistry ^{*CP, HN} Zoology Physics ^{CP, AP} Anatomy & Physiology ^{CP, HN}	Physics ^{CP, AP} Marine Biology ^{CP, HN} Zoology AP Biology Anatomy & Physiology ^{CP, HN}	Many environmental and animal-related clubs are offered

Designed for students with an interest in Biotechnology	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Anatomy & Physiology ^{CP, HN}	Chemistry ^{*CP, HN} Biotechnology Physics ^{CP, AP}	Biotechnology AP Biology Physics ^{CP, AP}	Biotechnology Certificate Program STEM Distinction Program Intro to Coding/Robotics & Engineering
Designed for students with an interest in crime scene investigation or criminal law	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Anatomy & Physiology ^{CP, HN} Sports Medicine	Chemistry ^{*CP, HN} Physics ^{CP, AP} Anatomy & Physiology ^{CP, HN} Sports Medicine		Mock Trial team
Designed for students with an interest in Chemistry or a Physical Sciences concentration	Biology ^{CP, HN}	Chemistry ^{HN}	AP Chemistry	Physics ^{CP, AP}	
Elective classes designed for students with an interest in STEM fields (science, technology, engineering & math) <i>*Students may take each class once</i>	Robotics & Engineering Intro to Coding	Robotics & Engineering Hn Robotics & Engineering 2 Intro to Coding AP Computer Science Principles	Robotics & Engineering Hn Robotics & Engineering 2 Intro to Coding AP Computer Science Principles AP Computer Science A	Robotics & Engineering Hn Robotics & Engineering 2 Intro to Coding AP Computer Science Principles AP Computer Science A	Robotics competitive team STEM Distinction Program Biotechnology Certificate Program

* Students will be placed into a Science course based on prerequisites. In some cases, students may wish to request a different course after reading the course descriptions and discussing this decision with parents and their School Counselor. Please read the following written descriptions. **For a visual description of the courses and/or to request a different Science course, please visit <https://sites.google.com/materdei.org/sciencecoursechange>.**

Sample Math Pathways for Prospective STEM Majors

Path	Freshman	Sophomore	Junior	Senior	Recommended by Graduation
General (meets or exceeds Mater Dei graduation requirements and requirements for admission to competitive universities) <i>Calculus is highly recommended by UC for all STEM majors. It is strongly suggested you meet this requirement.</i>	Geometry ^{CP, HN} or higher	Algebra 2/Trig ^{*CP, HN} or higher	Precalculus ^{*CP, HN} or higher	Calculus ^{CP, AP} or higher Statistics ^{CP, AP, DE}	Calculus or AP Calculus (A/B/C)

Path	Freshman	1st Summer	Sophomore	2nd Summer	Junior	Senior	Recommended by Graduation
Recommended for students who take	Algebra I ^{CP, HN}	Geometry for Advancement	Algebra 2/Trig ^{*CP, HN} or higher	Trigonometry for Advancement	Precalculus ^{*CP, HN} or higher	Calculus ^{CP, AP} or higher	Calculus or

Algebra I their Freshman year.						Statistics ^{CP, AP, DE}	AP Calculus (A/B/C)
--------------------------------	--	--	--	--	--	----------------------------------	---------------------

CP designates College Prep level is offered
 HN designates Honors level is offered
 PR designates Principles level is offered
 AP designates AP level is offered
 DE designates that the course may be taken as Dual Enrollment (with a pairing course)
 * indicates the course may be taken for advancement over Summer School at Mater Dei to move ahead in the pathways

Please see the following pages for Math and Science course prerequisites/descriptions. You will find STEM electives under Science.

BIOTECHNOLOGY CERTIFICATE

Through articulation agreements with **Santa Ana College and Santiago Canyon College**, Mater Dei students can earn a **Biotechnology Certificate of Proficiency**, which makes a student eligible to work in a Biotechnology lab after graduating Mater Dei. In addition, students will earn credit by exam for a college lecture and lab (Introduction to Biotechnology Lecture and Lab 4 units) and earn an additional **4 college units**.

Mater Dei Courses (fulfill any of the pathways below)
Pathway 1: Biology, Human Anatomy & Physiology, Chemistry (any level) before or after Human Anatomy
Pathway 2: Honors Biology, Honors Human Anatomy & Physiology, Chemistry (College Preparatory or Honors) before or after Honors Anatomy
Pathway 3: Honors Biology, Chemistry (College Preparatory or Honors), Advanced Placement Biology

AND

Santa Ana College and Santiago Canyon College Course (no course fee if taken while enrolled at Mater Dei)
Biology 191 Biotech A: Basic Lab Skills (4 unit)

Students need to meet all prerequisites for Mater Dei and Santa Ana/Santiago Canyon College courses, must be in good academic standing, and must earn passing grades in all prerequisite courses and the Biology 191 Basic Lab Skills course.

Interested students should notify their School Counselor at Mater Dei as well as the Science Department Chair, Mrs. Gomez (kgomez@materdei.org).

Steps to earn the Biotechnology Certificate of Proficiency:

1. On a yearly basis, ensure that you are enrolling in classes for one of the required pathways above. If your courses do not fit the pathways exactly, contact the Science Department Chair, Mrs. Lawrence.
2. We recommend waiting to start the next steps until you are enrolled in Chemistry at Mater Dei because skills from the Chemistry class will prepare you for success in Bio 191 at the college level. Current Seniors need to finish Bio 191 prior to graduation from Mater Dei and should begin looking into the steps below immediately.
3. Once you have started your Chemistry class at Mater Dei, start looking at the schedule for **Bio 191** at Santa Ana and Santiago Canyon Colleges and determine what will fit into your schedule. Summer sections are available. Be sure to search for **Bio 191**, not Bio 190- they are different courses. Please note: you will not be able to miss classes at Mater Dei to attend the college class.
 - a. Click [here](#) for the schedule of classes at Santa Ana College (click "Guests" then "Search for Sections")
 - b. Click [here](#) for the schedule of classes at Santiago Canyon College
4. Download a CAP form from the appropriate link below and fill it out. Take it to your Academic Counselor at Mater Dei once you have completed your portion- they will review and obtain the required signature. This will allow you to enroll in Bio 191 at SAC or SCC tuition free, provided you would complete Bio 191 before you graduate Mater Dei High School.
 - a. Click [here](#) for the CAP form for Santa Ana College
 - b. Click [here](#) for the CAP form from Santiago Canyon College
5. For Santa Ana College, turn in CAP form to Ms. Jonae Varela, OC Biotechnology Education Coordinator at Varela_Jonae@sac.edu. For Santiago Canyon College, turn in CAP form to Ms. Amanda Campbell, CTE Counselor at Campbell_Amanda@sccollege.edu.
6. Enroll in Bio 191 at Santa Ana College or Santiago Canyon College.
7. While enrolled in Bio 191 at Santa Ana College or Santiago Canyon College, complete the paperwork for articulation to earn your Biotechnology Certificate of Proficiency. Ask your Bio 191 instructor for help with this or Ms. Varela (SAC) or Ms. Campbell (SCC) can assist. This step must be completed while you are still a student at both Mater Dei and SAC or SCC.

MATHEMATICS

All Mathematics courses listed in this catalog are both UC and CSU approved courses. All Mathematics courses are one year in length.

All students must meet the prerequisites for each succeeding mathematics course before enrollment will receive final approval. These prerequisites are explained in each course description below. **Note that credit recovery grades do not fulfill the prerequisites for any course.** Credit Recovery grades may only be used to remediate a D or F grade for transcript and/or graduation purposes.

Any current Mater Dei student who does not meet the prerequisites for a particular course may challenge next year's math placement by successfully passing the Math Department Placement Exam for that course. The student must notify the Math Department Chair and their Academic Counselor of his/her intent to take the Placement Exam and register prior to the end of the school year.

Mater Dei offers select advancement courses through the Summer School program. To be eligible for an advancement class, the student must have at least an 85% in each semester of the prerequisite class. For example, a student who wishes to take PreCalculus for Advancement over the summer must have an 85% or higher in each semester of Algebra 2/Trigonometry. Please visit the Summer School Course Catalog for more information.

SAMPLE MATH PATHWAYS

	Freshman	Sophomore	Junior	Senior
<i>Designed for students interested in non-STEM related majors or careers</i>	Algebra 1A	*Algebra 1B	Algebra 2	Geometry
	Algebra 1A *Algebra 1B -Credit advancement over the summer	Algebra 2	Geometry	Statistics or Consumer Math with Statistical Reasoning
	Algebra 1 or Honors Algebra 1	*Geometry or Honors Geometry	*Algebra 2/Trig or Honors Algebra 2/Trig	*PreCalculus or Honors PreCalculus or Statistics or AP Statistics
<i>Designed for students with an interest in STEM majors or careers</i>	Geometry or Honors Geometry	*Algebra 2/Trig or Honors Algebra 2/Trig	*PreCalculus or Honors PreCalculus	Calculus or AP Calculus AB or Statistics or AP Statistics
	Algebra 2/Trig or Honors Algebra 2/Trig	*PreCalculus or Honors PreCalculus	Calculus or AP Calculus AB	AP Calculus BC or AP Statistics

*Offered over the summer for Credit Advancement

411 PERSONAL FINANCE

Course Length: Year

Grade Level: 12

A-G Designation: “G” – College Prep Elective

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending, credit, savings, and investing. Students will design personal and household budgets, simulate the use of checking and savings accounts and demonstrate knowledge of finance, debt, and credit management. Students will also evaluate and understand insurance, retirement, and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

412 ALGEBRA I

Course Length: Year

Grade Level: 9-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: A minimum score of 8.0 in Mathematics on the Entrance Exam.

This course is designed to encourage students to reach a higher level of mathematical understanding and to promote critical thinking in a broad range of situations. This course will have a strong emphasis on linear equations and inequalities including systems of equations. Students will learn the foundations of algebra including radicals, exponents and quadratics. In addition, this course will help students realize the need for Algebra in non-academic settings and will lead to a familiarity with the real number system by applying the various manipulative skills taught. A scientific calculator will be needed throughout the course.

413 HONORS ALGEBRA I

Course Length: Year

Grade Level: 9-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: A minimum score of 9.6 in Mathematics on the Entrance Exam **or** have passed the Honors Algebra I Placement Test. Passing score on the diagnostic test to be given on the first day of class.

This course is designed for students who are able to move at an above-average rate in possible preparation for the Honors Geometry course and subsequent Honors Program. Students will cover approximately 25 percent more material than the regular Algebra I students, and there will be an emphasis on developing strong writing skills. A scientific calculator will be needed throughout the course.

416 ALGEBRA 1A

Course Length: Year (Completed in the Fall Semester)

Grade Level: 9

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: None

The first semester of an integrated Algebra I course (see Algebra I above) designed to increase interest in math and allow all students to reach a higher level of mathematical understanding and critical thinking. There will be a focus on conceptual understanding, procedural fluency and application which allows students to access concepts from several perspectives and apply them in real-world situations. The content will have a strong emphasis on various types of functions, linear equations, and inequalities. In addition to algebraic skills, selected Geometry topics are included to help facilitate the transition to Geometry. **A scientific calculator will be needed.**

417 ALGEBRA 1B

Course Length: Year (Completed in the Spring Semester)

Grade Level: 10

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Completion of Algebra 1A.

The second semester of an integrated Algebra I course (see Algebra I above) is designed to increase interest in math and allow all students to reach a higher level of mathematical understanding and critical thinking. There will be a focus on conceptual understanding, procedural fluency and application which allows students to access concepts from several perspectives and apply them in real-world situations. The content will have a strong emphasis on systems of equations, radicals, exponents, and quadratics. In addition to algebraic skills, selected Geometry topics are included to help facilitate the transition to Geometry. **A scientific calculator will be needed throughout the course.**

421 GEOMETRY

Course Length: Year

Grade Level: 9-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Algebra 1A/1B or Algebra 1 or Honors Algebra 1. Entering Freshmen that achieve a minimum score of 9.0 in Mathematics on the Entrance Exam, have successfully completed a documented Algebra I course with a grade of “B” or better, and have passed the Geometry Qualifying Exam.

This course presents geometric concepts from a deductive approach, beginning with basic definitions, postulates, and

theorems. The students are taught techniques of direct proof as one means of examining properties of geometric figures and concepts. Congruence and similarity relations including Trigonometric Ratios are studied, and algebraic applications are integrated throughout the course.

A scientific calculator is required.

422 HONORS GEOMETRY

Course Length: Year

Grade Level: 9-12

A-G Designation: "C" – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Honors Algebra I with a grade of "B" or better each semester **or** Algebra I with a grade of "A" each semester and a passing score on the Honors Geometry Placement Test. Entering Freshmen that achieve a minimum score of 9.0 in Mathematics on the Entrance Exam, have successfully completed a documented Algebra I course with an "A" or better, and have passed the Honors Geometry Qualifying Exam. Passing score on the diagnostic test to be given on the first day of class.

In addition to the content of Geometry, this course covers coordinate and solid geometry. The course is difficult and challenging with a strong emphasis on proofs. Good study habits and logic skills are necessary. Test questions often require a creative approach to apply previously learned skills to new situations. A scientific calculator is required.

428 ALGEBRA 2

Course Length: Year

Grade Level: 9-12

A-G Designation: "C" – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Completion of Algebra 1 or Algebra 1A/1B and Geometry

This is a two-semester course in advanced algebra designed for students who intend to take four years of high school mathematics. Students will deepen and extend their understanding of the number system to include the complex numbers. There will be a strong emphasis on the study of linear, quadratic, exponential, and logarithmic functions and their graphs.

429 ALGEBRA 2/TRIGONOMETRY

Course Length: Year

Grade Level: 9-12

A-G Designation: "C" – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Honors Geometry with a grade of "C" or better both semesters, Geometry with a grade of "B" or better both semesters. Entering Freshmen that achieve a minimum score of 10.0 in Mathematics on the Entrance Exam, have successfully

completed documented Algebra I and Geometry courses with grades of "B" or better, and have passed the Algebra 2/Trigonometry Qualifying Exam.

This is a two-semester course in advanced algebra designed for above average students. Students will expand their Algebra 1 knowledge with a strong emphasis on the study of linear, polynomial, absolute value, radical, quadratic, exponential, and logarithmic functions and their graphs. This course will include the Trigonometric functions.

433 HONORS ALGEBRA 2 / TRIGONOMETRY

Course Length: Year

Grade Level: 9-12

A-G Designation: "C" – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Honors Geometry with a grade of "B" or better both semesters **or** Geometry with a grade of "A" both semesters and a passing score on the Honors Algebra 2/Trigonometry Placement Test. Entering Freshmen that achieve a minimum score of 10.0 in Mathematics on the Entrance Exam, have successfully completed documented Algebra 1 and Geometry courses with an "A," and have passed the Honors Algebra 2/Trigonometry Qualifying Exam.

This is a demanding two-semester course aimed at preparing the student for the study of Pre-Calculus. The topics include a study of trigonometric, polynomial, rational, exponential, absolute value, radical, and logarithmic functions. There is a heavy emphasis on graphing as a tool for the understanding of functions. Excellent study habits are essential.

437 STATISTICS

Course Length: Year

Grade Level: 12

A-G Designation: "C" – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Algebra 2 or Algebra 2/Trigonometry with a "C" or better each semester.

This is a two-semester course that includes descriptive statistics, probability, binomial and normal distributions, variation, linear regression, correlation and hypothesis testing. Applications are taken from natural sciences, social sciences, business, and everyday life. A graphing calculator such as the TI-83+ is required.

438 AP STATISTICS

Course Length: Year

Grade Level: 12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: A grade of “B” or better in each semester of Algebra 2/Trigonometry, and C or better in Precalculus and a passing score on the diagnostic test to be given on the first day of class.

This is a two-semester course designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis, and conclusions. Additionally, using the vocabulary of statistics this course will teach students how to communicate statistical methods, results and interpretations. Students will learn how to use graphing calculators and read computer output in an effort to enhance the development of statistical understanding. A graphing calculator such as the TI-83+ is required. **NOTE:** Students enrolling in this course are expected to take the AP Statistics Exam in May. An AP Test Fee applies.

441 PRECALCULUS

Course Length: Year

Grade Level: 10-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Algebra 2/Trigonometry with a grade of “B” or better both semesters **or** Honors Algebra 2/Trigonometry with a grade of “C” or better both semesters. Algebra 2 students may qualify for PreCalculus with a grade of “B” or better both semesters and pass the Trigonometry for Advancement course with a “B” or better.

This is a demanding two-semester course aimed at preparing the student for the study of Calculus. The topics include a full study of trigonometric, polynomial, rational, exponential, and logarithmic functions and an introduction to the theory of limits. There is a heavy emphasis on graphing as a tool for the understanding of functions. Excellent study habits are essential. A graphing calculator such as the TI-83+ is required. The TI-89 or TI-92 calculators are not allowed.

442 HONORS PRECALCULUS

Course Length: Year

Grade Level: 10-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Grade of “B” in Honors Algebra 2/Trigonometry each semester **or** grade of “A” in Algebra 2/Trigonometry each semester and a passing score on the Honors PreCalculus Placement Test. Passing score on the diagnostic test to be given on the first day of class.

Topics described in PreCalculus will be covered along with conic sections, polar graph sequences, and series and parameters equations. A graphing calculator such as the TI-83+ is required. The TI-89 or TI-92 calculators are not allowed.

440 CALCULUS

Course Length: Year

Grade Level: 11-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Grade of “C” or better in each semester of PreCalculus or Honors PreCalculus.

This is a two-semester course in single variable Calculus. The course covers limits, derivatives, definite integrals of algebraic and transcendental functions, and the application of derivatives and integrals. Techniques of integration and integrals may also be covered. A graphing calculator such as the TI-83+ is required. The TI-89 or TI-92 calculators are not allowed. **NOTE:** This course is not designed to prepare the student for the AP Calculus Exam.

443 AP CALCULUS AB

Course Length: Year

Grade Level: 11-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: Grade of “B” or better in each semester of Honors PreCalculus **or** a grade of “A” or better in PreCalculus and a passing score on the AP Calculus AB Placement Test. Passing score on the diagnostic test to be given on the first day of class.

This is a two-semester course in single variable Calculus. The course covers limits, continuity, derivatives, and integrals of algebraic and transcendental functions. All topics are approached from graphical, numerical, and analytical points of view. Students are expected to discuss concepts and solutions in writing. Applications of derivatives and integrals are presented, as well as solutions of separable differential equations. Techniques of integration are covered. If time permits, additional topics such as L'Hopital's Rule, improper integrals and approximation techniques are presented. A graphing calculator such as the TI-83+ is required. The TI-89 or TI-92 calculators are not allowed. **NOTE:** Students enrolling in this course are expected to take the AP Calculus AB Exam in May. An AP Test Fee applies.

445 AP CALCULUS BC

Course Length: Year

Grade Level: 11-12

A-G Designation: “C” – Mathematics

NCAA: NCAA-approved course – Mathematics

Prerequisites: An “A” in each semester of Calculus or a grade of “B” or better in each semester of AP Calculus AB. Passing score on the diagnostic test to be given on the first day of class.

This is a second course in single variable Calculus. The course will cover a deeper understanding of the concepts of limits, continuity, derivatives, and integrals of algebraic and transcendental functions. All topics are approached from graphical, numerical, and analytical points of view. Students are expected to discuss concepts and solutions in writing. Applications of derivatives and integrals are presented, as well as solutions of separable differential equations. Techniques of integration are covered. The course will also cover Parametric, polar, and vector functions, as well as derivatives of these functions; L'Hospital's Rule; Euler's Method; applications of integrals and Riemann Sums; improper integrals, antiderivatives, and approximation techniques; and polynomial approximations and series. A graphing calculator such as the TI-83+ is required. The TI-89 or TI-92 calculators are not allowed. **NOTE:** Students enrolling in this course are expected to take the AP Calculus BC Exam in May. An AP Test Fee applies.

SCIENCE

The Mater Dei High School Science Department offers a wide variety of courses to suit each student's needs and college and career goals. In order to help students navigate our courses, the Science Department has devised the following sample pathways. Each includes at least one Life Science and at least one Physical Science. Please note that these are only samples and there are several other options to fit the unique needs of each student. Always consult your School Counselor when planning a course of study. All Science courses are UC/CSU approved courses unless otherwise indicated.

SAMPLE SCIENCE & STEM PATHWAYS

Path	Freshman	Sophomore	Junior	Senior	Recommended
Designed for students interested in engineering or Computer Science	Biology ^{CP, HN}	Chemistry ^{*CP, HN}	Physics ^{CP, AP}	Physics ^{CP, AP (AP can be taken after CP)} AP Biology AP Chemistry Anatomy & Physiology ^{CP, HN}	Robotics competitive team STEM Distinction Program
Elective	Intro to Coding Robotics & Engineering	Robotics & Engineering Hn Robotics & Engineering 2	Hn Robotics & Engineering 2 AP Computer Science Principles	AP Computer Science Principles AP Computer Science A	
Designed for students with an interest in the medical field	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Anatomy & Physiology ^{CP, HN} Sports Medicine	Chemistry ^{*CP, HN} Physics ^{CP, AP} Anatomy & Physiology ^{CP, HN} Sports Medicine	Physics ^{CP, AP} AP Biology Anatomy & Physiology ^{CP, HN} Sports Medicine	Pre-Med Club Athletic Training course offered through Athletics Department STEM Distinction Program
Designed for students with an interest in Marine Biology , careers with animals , or environmental science	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Marine Biology ^{HN} Zoology Anatomy & Physiology ^{CP, HN}	Chemistry ^{*CP, HN} Zoology Physics ^{CP, AP} Anatomy & Physiology ^{CP, HN}	Physics ^{CP, AP} Marine Biology ^{HN} Zoology AP Biology Anatomy & Physiology ^{CP, HN}	Many environmental and animal-related clubs are offered
Designed for students with an interest in Biotechnology	Biology ^{CP, HN}	Chemistry ^{*CP, HN} Anatomy & Physiology ^{CP, HN}	Chemistry ^{*CP, HN} Biotechnology Physics ^{CP, AP}	Biotechnology AP Biology Physics ^{CP, AP}	Biotechnology Certificate Program STEM Distinction Program Intro to Coding/Robotics & Engineering
Designed for students with an interest in crime scene investigation or criminal law	Biology ^{CP, HN}	Chemistry ^{*CP, HN}	Chemistry ^{*CP, HN}		Mock Trial team

		Anatomy & Physiology Sports Medicine	Physics ^{CP, AP}		
			Anatomy & Physiology ^{CP, HN}		
Designed for students with an interest in Chemistry or a Physical Sciences concentration	Biology ^{CP, HN}	Chemistry ^{HN}	AP Chemistry	Physics ^{CP, AP}	
Elective classes designed for students with an interest in STEM fields (science, technology, engineering & math) <i>*Students may take each class once</i>	Robotics & Engineering Intro to Coding	Robotics & Engineering Hn Robotics & Engineering 2 Intro to Coding AP Computer Science Principles	Robotics & Engineering Hn Robotics & Engineering 2 Intro to Coding AP Computer Science Principles AP Computer Science A	Robotics & Engineering Hn Robotics & Engineering 2 Intro to Coding AP Computer Science Principles AP Computer Science A	Robotics competitive team STEM Distinction Program Biotechnology Certificate Program
CP designates College Prep level is offered HN designates Honors level is offered PR designates Principles level is offered AP designates AP level is offered DE designates that the course may be taken as Dual Enrollment (with a pairing course) * indicates the course may be taken for advancement over Summer School at Mater Dei to move ahead in the pathways					

* Students will be placed into a Science course based on prerequisites. In some cases, students may wish to request a different course after reading the course descriptions and discussing this decision with parents and their School Counselor. Please read the following written descriptions. **For a visual description of the courses and/or to request a different Science course, please visit <https://sites.google.com/materdei.org/sciencecoursechange>.**

521 BIOLOGY

Course Length: Year

Grade Level: 9-10

A-G Designation: "D" – Laboratory Science (Biology/Life Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Qualifying score/grades - Incoming Freshman – Qualifying score on the High School Entrance Exam (70% composite (NP) score, 9.0 in both Reading and Language, and concurrent enrollment in Algebra I or higher math). Approval of Science Department Chair.

This course covers biological concepts with an emphasis on problem solving. This college preparatory course is designed with an emphasis on laboratory safety and proper laboratory procedures. Students will use the scientific method to develop basic laboratory skills including the use of microscopes and completing full lab write-ups. Students will explore cell structure and function, processes of the cell, genetics, biotechnology, and evolution using a variety of hands-on labs and group projects.

NOTE: This course **requires** participation in animal dissections.

520 HONORS BIOLOGY

Course Length: Year

Grade Level: 9-10

A-G Designation: "D" – Laboratory Science (Biology/Life Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Qualifying score/grades - Incoming Freshman – Qualifying score on the High School Entrance Exam (85% composite (NP) score, 10.0 in both Reading and Language, and concurrent enrollment in Algebra I or higher math.) Approval of Science Department Chair.

This accelerated course covers biological concepts in depth, with an emphasis on higher developmental thought processes and problem solving. It includes a study of the use of the scientific method, biochemistry, cell structure and function, cell metabolism, cell division, genetics, DNA replication, protein synthesis, biotechnology, evolution, and comparative animal systems. In order to facilitate learning and build science skills, students will apply these concepts to a variety of hands-on labs and will engage in inquiry-based projects.

NOTE: This course **requires** participation in animal dissections.

526 ADVANCED PLACEMENT BIOLOGY

Course Length: Year

Grade Level: 11-12

A-G Designation: "D" – Laboratory Science (Biology/Life Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: "A" in Biology or "B" in Honors Biology and "A" in Chemistry or "B" in Honors Chemistry. Concurrent enrollment in pre-calculus, calculus, or higher math course is also required. Approval of Science Department Chair.

This course extends in breadth and depth the biological concepts presented in the Biology/Honors Biology course to a level of study commensurate with a second year course in college Biology and a Biology lab course for college Biology majors and prepares the student to take the Advanced Placement Exam in Biology.

This course of study emphasizes the development of college level science reading, group discussions, laboratory skills, problem solving, and expository science writing in preparation for the Advanced Placement Exam in Biology.

This course follows the Advanced Placement Biology standards as outlined by the College Board. The course focuses on the four "Big Ideas" that unite all of biology (evolution, energy, information, and interactions). The course also emphasizes the application of seven "Science Practices" that are essential across scientific disciplines. These include interpreting models and representations, mathematics, questioning, data collection, data analysis and evaluation, understanding explanations and theories, and making connections.

Many of the science practices require the application of mathematics. As a result, this course offers students the chance to practice the high-level math skills that they will need for success on the Advanced Placement Exam and in college science courses.

NOTE: A minimum of 25 students are required for this class to be offered. All students are **required** to pay for and take the Advanced Placement Exam.

525 HONORS MARINE BIOLOGY

Course Length: Year

Grade Level: 10-12

A-G Designation: "D" – Laboratory Science (Biology/ Life Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: A grade of "94.45%" or better in first semester of Biology or a grade of a "B" or better in Honors Biology (both semesters). A grade of "B" in Chemistry or Physics or "C" in Honors Chemistry or AP Physics 1 (both semesters). Sophomore students who have not yet taken Chemistry or Physics may be considered if they received a "B" or better in both Honors Biology and Honors Algebra I (both semesters).

The material in this class lays a foundation for students who are interested in focusing on science in college, particularly in the marine sciences, climatology, ecosystems, or organismal studies.

This advanced course examines the marine environment in detail, with a focus on data analysis, laboratory work, and projects while addressing topics throughout the class.

The course covers all topics integral to gaining an understanding of marine systems, such as: Oceanography, including ocean layering, ocean chemistry, current dynamics and ocean mixing, climate patterns, tides, and wave formation; A detailed exploration of marine life, including algae, primitive and advanced invertebrates, cartilaginous and bony fishes, marine reptiles, marine birds, and marine mammals; The ecology of the ocean, including food webs, coastal ecosystems, nearshore ecosystems, and pelagic ecosystems; A study of the impacts humans have on marine environments, such as plastic pollution, eutrophication, overfishing and overharvesting, bycatch, noise pollution, and others. This course will have field trips with hands-on lab work (highly encouraged) and in-class dissections (required).

532 CHEMISTRY

Course Length: Year

Grade Level: 10-11

A-G Designation: "D" – Laboratory Science (Chemistry)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: A grade of "C" or better in Biology, both semesters. A grade of "C" or better in Algebra 1 and Geometry, concurrent enrollment in Algebra 2/Trig. *If the student is in the Algebra 1A/1B math pathway: Grades of C in Algebra 1A/1B, C in Algebra 2 and concurrent enrollment in Geometry.

This physical science course with laboratory and demonstrations studies the basic laws of chemistry. The course emphasizes problem solving skills and analysis, structure of the atom, modern atomic theory with quantum mechanics, periodic law, chemical bonding, balancing chemical equations, stoichiometry, states of matter including gas laws, solutions, acid/base chemistry, thermodynamics, equilibrium and kinetics. The laboratory portion of this course emphasizes data collection and analysis and students are expected to submit written college style lab reports to emphasize and develop critical thinking skills and scientific writing.

531 HONORS CHEMISTRY

Course Length: Year

Grade Level: 10-11

A-G Designation: "D" – Laboratory Science (Chemistry)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: A grade of "A" in both semesters in Biology, or a "B" or better in Honors Biology, both semesters. A grade of "A" in both semesters of Algebra 1 or a "B" or better both semesters of Honors Algebra. Successful Completion of Geometry. Concurrent enrollment in Algebra 2/Trig or Algebra 2. Approval of Science Department Chair.

This accelerated course goes into more depth and places an emphasis on higher developmental thought processes. It includes study of the basic laws of chemistry. Atomic theory, the periodic law, chemical bonding, balancing chemical equations, gas laws, stoichiometry, acids, bases, kinetics, equilibrium, and redox reactions are covered. This class includes demonstrations and accelerated laboratory exercises. This lab science course will involve lab set-up and study in class, as well as college style lab reports.

533 AP CHEMISTRY

Course Length: Year

Grade Level: 11-12

A-G Designation: "D" – Laboratory Science (Chemistry/Physical Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Grades of "B" or better in Honors Chemistry both semesters. Grades of "A" in Algebra II/Trig or "B" or better in Honors Algebra II/Trig. Pre-Calculus or Honors Pre-Calculus is to be taken concurrently or previously to this course. Approval of Science Department Chair is required.

This college-level Chemistry course is designed to be taken after successful completion of Honors Chemistry. This course will prepare the student to take and pass the AP Chemistry exam in May. Students will use an AP Chemistry textbook, perform numerous advanced laboratory experiments and prepare written college style lab reports as required by the College Board. Laboratory will be 25% of this course. Students are expected to keep a detailed laboratory notebook where data collection, computations and analysis are emphasized. The course of study will follow the standards set by the College Board for AP Chemistry. Coursework will encompass the 6 big ideas as outlined in the College Board AP website. They are: (1)Elements are the fundamental building materials of matter and matter can be understood in terms of arrangements of atoms; (2)Chemical and physical properties of materials can be explained by the structure and the arrangement of atoms and the intermolecular forces between them; (3)Changes in matter involve the breaking of and rebuilding of atomic bonds; (4)Rates of reactions are dependent upon the kinetic molecular theory and molecular collision model involving the concentrations of those molecules; (5)Predicting changes in matter is energy dependent and can be explained using the laws of thermodynamics and equilibrium; (6)Intermolecular and Intramolecular forces are in dynamic equilibrium and are affected by initial conditions and external variances of the system. In addition, the 7 Science Practices for AP Chemistry as outlined by the College Board will be emphasized during this course.

542 HUMAN ANATOMY AND PHYSIOLOGY

Course Length: Year

Grade Level: 10-12

A-G Designation: "D" – Laboratory Science (Biology/Life Sciences)

MATER DEI HIGH SCHOOL COURSE CATALOG 2024-2025

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Qualifying grades - A grade of "B" or better in Biology or "A" in Principles of Biology, both semesters. A grade of "B" or better in Algebra I, both semesters. Approval of Science Department Chair.

This course is an in-depth study of the structure and function of the systems of the human body. This course is designed for anyone who wants to learn about the human body, but is of particular interest to those considering a health related profession. Each body system will be studied in terms of organizational levels, starting at the cellular level and proceeding through to an analysis of specific organ systems. Students will learn about body organization, the tissues of the body, and study the integumentary, skeletal, muscular, nervous, cardiovascular, immune, respiratory, digestive, urinary, reproductive, and endocrine systems in more detail. Emphasis will be devoted to the structure and functions of various organ systems to ensure recognition of the coordinated homeostatic functioning of the human body. This is a college preparatory lab science course. Laboratory work will be required and heavily emphasized, and may include anatomical dissection of the brain, eye, and fetal pig. Hands-on laboratory practicums serve as additional assessments to the curriculum.

Note: This course **requires** participation in animal dissections.

543 HONORS ANATOMY AND PHYSIOLOGY

Course Length: Year

Grade Level: 10-12

A-G Designation: "D" – Laboratory Science (Biology/Life Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: A grade of "A" in Biology both semesters or a grade of a "B" or better in Honors Biology. A grade of "B" or better in Chemistry or a "C" or better in Honors Chemistry. Alternatively, if a student has not taken Chemistry, but received an "A" in Honors Biology both semesters, and an "A" Honors Algebra 1 both semesters, they may be considered. Approval of Science Department Chair.

This course is preparation for advanced biological studies, premedical studies, biomedical nursing and other health/medical field based careers. This course examines the detailed inner workings of the human body, specifically the tissues, integumentary, skeletal, muscular, nervous, cardiovascular, immune, respiratory, digestive, urinary, reproductive and endocrine systems, as well as joints and movement. Each body system will be studied in terms of organizational levels, starting at the cellular level and proceeding through to an analysis of the specific organs and their functions. Emphasis will be devoted to the structure and functions of these various organ systems to ensure recognition of the coordinated homeostatic functioning of the human body. Diagrams of macro and microscopic anatomy will be used to display the various levels of anatomical organization, as well as the physiological reasoning behind it. Practicums will serve as additional assessments to the curriculum.

Case studies, including diseases, genetic disorders, and bioethical issues of the human systems will be a supplementary key to integrating knowledge through application. Laboratory work will be required and heavily emphasized, which may include anatomy dissection of a fetal pig, cow femur, sheep eye, brain, heart and kidney.

Possible Supplementary Co-curricular Activities/Field Trips: CPR & AED Red Cross certification programs, Stop the Bleed certification program, visit to St. Joseph's Hospital for a hands-on experience with the Da Vinci robot and exploring Bodies the Exhibition. Scrubs for a Day: Surgeons of the Future at UCI Medical School, Urology Department; Visiting the Orange County Medical Examiners/Coroner's Office; Visiting UCI's Medical school to follow interns and residents; Visiting UCI's Medical School to observe cadaver dissections.

Note: This course **requires** participation in animal dissections. Additionally, this course **requires** a small lab fee to cover the certification activities done in class. The students will receive an official CPR & AED Red Cross certification, as well as a Stop the Bleed Certification.

544 PHYSICS

Course Length: Year

Grade Level: 11-12

A-G Designation: "D" – Laboratory Science (Physics)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: A grade of "C" or better in Biology, both semesters. A grade of "C" or better in Algebra 1 and Geometry, concurrent enrollment in Algebra 2/Trig. *If the student is in the Algebra 1A/1B math pathway: Grades of C in Algebra 1A/1B, C in Algebra 2 and concurrent enrollment in Geometry.

This course will utilize the student's mental processes of logic and problem solving and knowledge of mathematical manipulation.

Physics is a fundamental science. In depth studies of other sciences are based upon physics concepts. It is the design of this course to enable the students to develop a method of solving problems that will involve more than just using the chapter equations to solve problems. The course covers Newtonian mechanics, work, energy, sound, light, electricity, and magnetism. Upon successful completion of this course, students may choose to take Advanced Placement Physics.

546 ADVANCED PLACEMENT PHYSICS 1

Course Length: Year

Grade Level: 11-12

A-G Designation: "D" – Laboratory Science (Physics)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Grades of A in all Math and Science courses with no more than one B grade. Biology (or Honors Biology) and Chemistry (or Honors Chemistry) must be completed prior. Concurrent enrollment in Pre-calculus, Calculus, or AP Calculus

AB or BC is required. Previous Honors and or AP experience in Science and/or Math is recommended. Students who have earned A grades in Physics and Pre-calculus may be considered. Approval of the Science Department Chair.

This course covers topics such as Newtonian mechanics, rotational motion, work, energy, power, and momentum in both linear and rotational systems using Algebra and Trigonometry as its basis.

This makes it more closely match the AP 1 curriculum as electricity and magnetism is in AP 2. The course requirement is fine.

536 SPORTS MEDICINE

Course Length: Year

Grade Level: 11-12

A-G Designation: "D" – Laboratory Science (Biology/ Life Sciences)

NCAA: Not an approved course

Prerequisites: A grade of "C" or better in Biology, both semesters.

This comprehensive course focuses on the area of health and medicine that applies to the prevention, recognition, management and rehabilitation of sports-related injuries. In addition, it introduces and helps to prepare the students for the professions of athletic training, physical therapy and exercise physiology, as well as other career options. This course will provide an opportunity for the study and application of the components of sports medicine including, but not limited to: educational pathways and careers, prevention and recognition of sports-related injuries, evaluation and immediate care of athletic injuries, rehabilitation skills, taping and wrapping techniques, sports psychology, nutrition, general fitness and conditioning, emergency management, response and care, substance abuse, stress and wellness, anatomy and physiology of various body systems, professionalism, ethics and legal considerations.

Students will also have the opportunity to earn CPR, AED and first-aid certifications, as well as exposure to expert guest speakers from the various specialties of sports medicine. Additionally, there will be case studies used throughout the course to promote the growth of foundational knowledge, possible internship and field trip opportunities, as well as required lab hours spent observing activities in athletic training and sports facilities.

Note: This course **requires** a small lab fee to cover the certification activities done in class. The students will receive an official CPR & AED Red Cross certification, as well as a Stop the Bleed Certification.

535 ZOOLOGY

Course Length: Year

Grade Level: 10-12

A-G Designation: “D” – Laboratory Science (Biology/ Life Sciences)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: A grade of “C” or better in Biology, both semesters.

The course will focus on the kingdom of Animalia and will build on the previous knowledge from the student’s Biology course. The students will be engaged with hands on learning of the different phyla (Sponges, Jellyfish, Flatworms, Roundworms, Mollusks, Crustaceans, Fish, Reptiles, Birds, and Mammals) within the Animalia kingdom with a focus on the evolutionary and ecological relationships of the organisms between themselves and their surroundings. A major emphasis will be placed on comparative anatomy, laboratory studies (including dissections of organisms as well as ecological surveys), natural history, and ecological/ phylogenetic relationships. Much of the course will be built around designing and implementing laboratory inquiries, collecting and analyzing data, and presenting their findings to their peers.

*This course will require participation in multiple animal dissections.

501 ROBOTICS AND ENGINEERING

Course Length: Year

Grade Level: 9-12 (no experience required)

A-G Designation: “D” – Laboratory Science (Engineering)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Concurrent enrollment in Algebra I or higher Math course and Biology or a higher level Science course.

Students are introduced to the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real-world problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software.

Students explore engineering tools and apply a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching, students progress from completing structured activities to solving open-ended projects and problems that require them to plan, document, communicate, and develop other professional skills. Through both individual and team activities, projects, and problems, students apply systems thinking and consider various aspects of engineering. Students develop skills in technical representation and documentation especially through 3D computer modeling using a Computer Aided Design (CAD) application. As part of the design process, students produce precise 3D-printed engineering prototypes using an additive manufacturing process and 2D technical drawings.

Student-developed testing protocols drive decision-making and iterative design improvements. In Robotics and Engineering, students apply computational methods to inform design by developing algorithms, performing statistical analyses, and developing mathematical models. Students build competency in professional engineering practices including project management, peer review, and environmental impact analysis as part of a collaborative design team.

1028 INTRO TO CODING

Course Length: Year

Grade Level: 9-12

A-G Designation: “G” – College-Preparatory Elective

NCAA: NCAA-approved course – Mathematics

Prerequisites: None

This year-long course is designed to introduce high school students to the fundamentals of computer science and cultivate their coding skills. Students will develop a solid foundation in programming through the exploration of essential concepts which include data types, sequencing, selection (if-else statements), iterations (for and while loops), algorithms, and basic data structures such as arrays and lists.

The course will commence with block coding, allowing students to grasp coding concepts visually before transitioning to writing text-based code using Swift and Python. Students will learn the syntax and structure of these programming languages, enabling them to express their ideas through code effectively. Emphasis will be placed on the development of effective debugging and collaboration skills, which are vital for successful programming.

To reinforce their coding skills, students will engage in captivating capstone projects, coding exercises, and labs that provide practical applications for their knowledge. Key projects will include developing an app using Swift, creating a computer game using block coding, programming Lego Mindstorms bots and Spheros, Arduino programming and writing code to solve interactive puzzles in Swift Playgrounds. By the conclusion of this course, students will have a comprehensive understanding of coding concepts and will possess proficiency in foundational programming. They will have honed their debugging and collaboration skills, preparing them for advanced coursework such as AP Computer Science Principles and AP Computer Science A.

Note: Students are encouraged to take this course or Robotics and Engineering as a prerequisite to AP Computer Science Principles or AP Computer Science A.

1028H HONORS CODING

Course Length: Year

Grade Level: 9-12

A-G Designation: "G" – College-Preparatory Elective

NCAA: NCAA-approved course – Mathematics

Prerequisites: Concurrent enrollment in Honors Algebra or above

This year-long course is designed for high school students to develop algorithmic coding skills. Students will explore data types, sequencing, selection (if-else statements), iterations (for and while loops), algorithms, and data structures such as arrays and lists. In the first semester, students will use block coding in Scratch to learn the design and development lifecycle of programs. Emphasis will be placed on the iterative development process, effective debugging, and collaboration skills, which are vital for successful programming. They will transition to text-based coding in Swift, the official programming language for Apple products. In the second semester, students will use Python to develop code focusing on data science applications. To reinforce their coding skills, students will create capstone projects, coding exercises, and labs that provide practical applications for their knowledge. Key projects will include developing an app using Swift, developing a computer game using block coding, and developing Python projects. By the end of this course, students will have comprehensive knowledge of algorithm development and will possess proficiency in text-based programming. They will have honed their debugging and collaboration skills, preparing them for advanced coursework such as AP Computer Science A or USACO coding

504H HONORS ROBOTICS & ENGINEERING 2

Course Length: Year

Grade Level: 10-12

A-G Designation: "D" – Laboratory Science (Engineering)

NCAA: NCAA-approved course – Natural/Physical Science

Prerequisites: Completion of Algebra 1 or a higher Math course with grades of C or better, both semesters. Recommended (not required) completion of the Robotics and Engineering 1 course. Recommended (not required): concurrent participation on the MDHS Robotics Team.

Honors Robotics and Engineering 2 explores the interaction between science, technology, and engineering in the context of mechanical and electrical devices. Standards of physics – including motion, force, rotation, energy and heat, and electricity – are brought together in a hands-on engineering environment. Each of the STEM components of science, technology, engineering and mathematics are implemented consistently. Students will engage in designing and building devices to understand scientific principles and engineering concepts, including the engineering design process, mechanical structure, electrical systems, and computer programming.. Students will understand that these components are linked

together and interact as they take an idea or problem from its original conception to its final form.

Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to real-world challenges such as energy sources and applications, machine systems, fluid power, testing the strength and durability of materials, and understanding how things move. Students will be learning to program the Arduino microcontroller which provides the brains and communication framework necessary to control motors, servos, and sensors. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. In addition, they will have the opportunity to investigate engineering and other high-tech careers. Special Note: In order to receive credit for this honors course, all students must produce a career exploration report that will be completed in steps throughout the year.

707 AP COMPUTER SCIENCE A

Course Length: Year

Grade Level: 11-12 (interested 10th grade students, reach out to Department Chair)

A-G Designation: "C" – Mathematics*

NCAA: NCAA-approved course – Mathematics*

Prerequisites: Completion of Algebra 1 with a "B" or better in both semesters. Completion of Intro to Coding and concurrent enrollment in Algebra 2 or a higher Math course strongly recommended.

*This course counts as Elective credit towards Mater Dei High School graduation requirements

A comprehensive course that provides students with a strong foundation in object-oriented programming using the Java language, AP Computer Science A is designed to be equivalent to a first-semester, college-level computer science course and covers essential programming concepts and problem-solving techniques.

Students will master data types, objects, boolean expressions, and if-else statements to make decisions within their programs. They will also gain proficiency in utilizing various iteration structures such as for, while, and for-each loops, enabling them to manipulate data and control program flow effectively. Another key aspect of the course is developing expertise in working with data structures such as arrays, ArrayLists, and 2D arrays which are fundamental to organizing and manipulating data efficiently. Also covered are various sorting algorithms such as bubble sort, selection sort, insertion sort, merge sort, and quick sort which simulate real-world scenarios. Inheritance, a core concept of object-oriented programming, will be extensively covered and students will understand how classes can inherit properties and behaviors from other classes, allowing for code reuse and facilitating modular design. Furthermore, students will be introduced to recursion, a powerful technique for solving problems by breaking them down into smaller, self-referential functions.

Throughout the course, students will have the opportunity to apply their knowledge through engaging coding assignments such as creating chatbots, drawing apps, and College Board approved labs. The primary goal of this course is to prepare students for the end-of-course AP Exam. Additionally, the course aims to prepare students for future careers in computer science, providing them with a solid foundation for further study and professional growth.

719 AP COMPUTER SCIENCE PRINCIPLES

Course Length: Year

Grade Level: 10-12

A-G Designation: "D" – Laboratory Science*

NCAA: NCAA-approved course – Science*

Prerequisites: Grade of "B" or better in Algebra 1. Successful completion of Intro to Coding preferred.

*This course counts as Elective credit towards Mater Dei High School graduation requirements

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

The course follows the Advanced Placement Computer Science Principles standards as outlined by the College Board. It focuses on seven "Big Ideas" that encompass foundational concepts of computer science: creativity, abstraction, data and information, algorithms, programming, the internet, and global impact. In addition, the course emphasizes six Computational Thinking Practices, which describe how students will explore the learning objective: connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.

Students will explore how computer programs affect our society, economy, and culture. They'll also build a solid foundation in programming fundamentals using Scratch and Python as the languages. Throughout this course, students will get practical experience with the tools, techniques, and concepts needed to build a basic program in Scratch and Python. Lessons take students through the process of designing a program, including brainstorming, planning, prototyping, and evaluating apps of their own. Additionally, they will learn user interface design principles, which is essential to programming and making great apps.

939 SCIENCE LAB ASSISTANT

Course Length: Semester, option to continue second semester
Available blocks 1-8. No more than one student per block.

Grade Level: 10-12

A-G Designation: None

Prerequisites: A grade of "B" or better in Biology and Chemistry. Recommendation of the Science Department Chair and Previous Science Teachers.

This course is designed to provide experience for the students in working in the Laboratory setting while also developing skills as a future educator. The students will be rotated through various science classes/labs helping to prepare and take down lab experiments as well as facilitating students in the classroom while performing these experiments. Each student will be expected to teach 2 topics at least during the semester. The student may also be involved in cooperative learning activities in the science classes & tutoring. The student will also be expected to help with organization of equipment and other miscellaneous duties related to running a laboratory. **NOTE: This course is a credit-only course; no letter grade will be given. This course is not a UC or CSU approved course.**

AP PHYSICS C: Mechanics

Course Length: Year

Grade Level: 10-12

A-G Designation: "D" – Laboratory Science*

NCAA: NCAA-approved course – Science*

Prerequisites: Grade of "B" or better in Algebra 1. Successful completion of Intro to Coding preferred.

*This course counts as Elective credit towards Mater Dei High School graduation requirements

AP Physics C: Mechanics covers topics such as Newtonian mechanics, rotational motion, work, energy, power, and momentum in both linear and rotational systems using Calculus as its basis.

WORLD LANGUAGES

WORLD LANGUAGES REQUIREMENTS

Two years of the same world language are required to meet Mater Dei graduation requirements. In order to progress to the next level, a student must earn a “C” or better at the end of both semesters. To begin a new world language after two years, a student must have successfully completed two years of one world language with at least a grade of “C” at each semester. Honors students must receive a “B” or better first semester to keep their placement in the class.

INCOMING LANGUAGE PLACEMENT TEST

In May, a Language test is offered to incoming Mater Dei students. This test is primarily for students who have had

previous language study in Chinese, French, Latin, or Spanish in middle school. The purpose of this test is to find out whether or not a student is capable of beginning a world language beyond level I. Based upon the results of this test a student will be placed in Level I, Level I Honors (when available), Level II, or Level II Honors (when available) of his/her chosen world language. There is also a placement test for native speakers.

WORLD LANGUAGES COURSES

* All World Languages courses are both UC and CSU approved courses unless otherwise indicated.

* All World Languages courses are year-long courses open to freshmen, sophomores, juniors and seniors who meet course prerequisites.

The MATER DEI SEAL OF BILITERACY is an award given by Mater Dei in recognition of students who have studied and attained proficiency in two or more languages by high school graduation. To earn this award, students must complete or qualify all criteria listed below:

English Criteria/Assessment (any of the following)

- a) PSAT (Reading and Writing) score of 460 or higher
- b) SAT (Evidence-Based Reading and Writing) score of 510 or higher c) ACT (English & Composition) score of 38 or higher
- d) AP English Literature /Composition score of 3 or higher AP English Language/Composition score of 3 or higher

World Language Criteria/Assessment

Spanish: AP Spanish Language or AP Spanish Literature test score of 3 or higher

Chinese: AP Chinese test score of 3 or better

ASL: ASL proficiency test passing score of 70 or better

French: French proficiency test passing score of 70 or better

Latin: Latin proficiency test passing score of 70 or better

	Spanish	Latin	French	Chinese	American Sign Language
Classes Offered	Spanish I Hn Spanish I Hn Bilingual Spanish Spanish II Hn Spanish II Spanish III Hn Spanish III Spanish IV Hn Spanish IV AP Spanish Lit & Culture AP Spanish Lang & Culture	Latin I Hn Latin I Latin II Hn Latin II Latin III Hn Latin III Hn Latin IV	French I French II Hn French II French III Hn French III French IV Hn French IV	Chinese I Chinese II Hn Chinese II Hn Chinese III Hn Chinese IV	ASL I ASL II ASL III ASL IV

SPANISH

600 SPANISH I - No book required

Course Length: Year

Grade Level: 9-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: None

This course develops the basic language communication skills of listening, speaking, reading, and writing in Spanish.

601 HONORS SPANISH I - No book required

Course Length: Year

Grade Level: 9-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Incoming students must take the Spanish Placement Exam and will be placed according to the results.

This course is designed for students with previous knowledge of Spanish. The course is covered at a faster pace than Spanish I and includes a greater variety of vocabulary and grammatical concepts.

609H HONORS BI-LINGUAL SPANISH (Spanish for Native Speakers)

Course Length: Year

Grade Level: 9-12

A-G Designation: "E" – Language Other than English

Prerequisites: Students must take the Bi-Lingual Spanish Placement Exam (which includes a speaking component) and will be placed according to the results.

This course concentrates on reading and writing skills and is designed for students who speak Spanish in the home but have not had much formal instruction. It will assist the bilingual student to advance his or her reading, writing, and spelling skills. Students who earn a "B" in both semesters of this class move on to AP Spanish Language and Culture.

602 SPANISH II

Course Length: Year

Grade Level: 9-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A "C" or better in both semesters of Spanish I or Honors Spanish I. OR, for incoming students, a 70% or better on the Spanish Placement Exam.

This course continues to develop in-depth language skills through listening, speaking, reading, and writing. Also included are reading for comprehension and understanding correctly the materials covered. The main goal of the course is continued communication in Spanish.

603 HONORS SPANISH II

Course Length: Year

Grade Level: 9-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0, "A" in both semesters of Spanish I OR a "B" or better in both semesters of Honors Spanish I. For incoming students, an 80% or better on the Spanish Placement Exam.

This course continues to develop deeper language skills through listening, speaking, reading, and writing. Also included are reading for comprehension and understanding correctly the materials covered. The main goal of the course is continued communication in Spanish. This course is taught at an accelerated pace and covers a more extended curriculum than Spanish II.

605 SPANISH III

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A "C" or better in both semesters of Spanish II or Honors Spanish II.

This course offers continued practice opportunities in which reading and writing are demonstrated to a greater extent than in Spanish II. At the same time, specific practice in speaking and listening continues to appear at a level of difficulty corresponding to the ever-accumulating content of the program.

606 HONORS SPANISH III

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0, an "A" in both semesters of Spanish II or "B" or better in both semesters of Honors Spanish II or a "B" or better in both semesters of Bilingual Spanish.

This course offers continued practice opportunities in which reading and writing are demonstrated to a greater extent than in Spanish II. At the same time, specific practice in speaking and listening continues to appear at a level of difficulty corresponding to the ever-accumulating content of the

program. This course is solely conducted in the target language at an accelerated pace and covers a more extended curriculum than Spanish III.

610 SPANISH IV

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A "C" or better in both semesters of Spanish III or Honors Spanish III.

This course provides specific reading practice using selections from the literature of Spanish and Spanish-American authors. The main goal of the course is continued communication in Spanish. It also provides a complete review of grammar covered in previous years.

610H HONORS SPANISH IV

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0, "A" or better in both semesters of Spanish III or a "B" or better in both semesters of Honors Spanish III.

This course provides specific reading practice using selections from the literature of Spanish and Spanish-American authors. The main goal of the course is continued communication in Spanish. It also provides a complete review of grammar covered in previous years. This course is solely conducted in the target language at an accelerated pace and covers a more extended curriculum than Spanish IV.

607 ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: An "A" in both semesters of Spanish III or "B" or better in both semesters of Honors Spanish III, Honors Bilingual I, Spanish IV, or Honors Spanish IV

This is a survey course that provides specific reading practice using selections from the literature of Spanish and Spanish-American authors. The main emphasis of the course is continued reading, writing, and listening activities in preparation for the AP Exam in May. The College Board

Advanced Placement Test must be taken in May. An AP Test Fee applies.

608 ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: An "A" in both semesters of Spanish III or "B" or better in both semesters of Honors Spanish III, Honors Bilingual I, Spanish IV, or Honors Spanish IV

The main goal of the course is to enhance communication skills in Spanish with an emphasis on speaking, writing, listening and cultural awareness in preparation for the AP Exam in May. The College Board Advanced Placement Test must be taken in May. An AP Test Fee applies.

692 CHINESE CLASS TEACHER AIDE

Course Length: Year

Grade Level: 12

A-G Designation: None

NCAA: Not an approved course

Prerequisites: Admission is based on scores from the School Entrance Exam or qualification for Honors English 1. International Chinese Students with accumulated GPA of 3.0, interview with the World Languages Department Chair and approval of Chinese teacher. The student must be available to meet with Mrs. Marsh each class session during assigned block (Block 7 or 8).

The Chinese Teacher's Aide (TA) will provide:

- An opportunity for international Chinese senior students to aid Mrs. Marsh in preparing for Chinese I/Honors Chinese I; Chinese II/Honors Chinese II, Chinese III/Honors Chinese III, and Chinese IV/Honors Chinese IV classes.
- Brainstorm ideas for projects
- Research designated topics for teacher presentations
- Gain experience in one-to-one tutoring and teaching
- Grade classwork, homework practices, quizzes, and tests
- Mrs. Marsh will in turn provide help to the aide in his/her world language class.

The TA will learn the importance of reliability, patience, and precision when helping students learn. This course is not UC and CSU approved and is taken for credit only; no letter grade is given.

LATIN

612 LATIN I

Course Length: Year

Grade Level: 9-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: None

This course introduces students to Roman civilization of the first century AD by studying basic grammar, vocabulary, English derivatives, and cultural topics. Topics range from the study of the basics of Latin as an inflected language, to important English derivatives, to everyday Roman life in Rome, Britannia, and southern Gaul.

620 HONORS LATIN I

Course Length: Year

Grade Level: 9-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Admission is based on scores from the School Entrance Exam or qualification for Honors English 1.

This course covers all aspects of the Latin I course as well as begins to teach students rudimentary Latin composition, guides students in more extensive translations, and includes outside reading, especially reading, discussing, and reflecting on Homer’s epic, “The Odyssey.”

613 LATIN II

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A “C” average or better in both semesters of Latin I or Honors Latin I. OR, for incoming students, a 70% or better on the Latin Placement Exam.

This course continues from last year’s investigation of Roman civilization in the first century AD through grammar, vocabulary, English derivatives, and culture. Topics range from the study of the subjunctive mood, to Roman provincial life, to conspiracy against the emperor.

617 HONORS LATIN II

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least an “A” grade in one semester of Latin I

and at least a “B” grade in the other semester of Latin I. OR a “B” average or better in both semesters of Honors Latin I. OR, for incoming students, an 80% or better on the Latin Placement Exam.

This course covers all aspects of the Latin II course as well as continues to teach students more fluid Latin composition, guides students in individual translation, and includes outside reading, especially reading, discussing and reflecting on Homer’s epic, “The Iliad.”

614 LATIN III

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A “C” average or better in both semesters of Latin II or Honors Latin II.

This course continues the previous two years’ investigation of Roman civilization in the first century AD through grammar, vocabulary, English derivatives, and culture. Topics range from the overthrow of the emperor, to gerunds & gerundives, to how Roman ethics developed. Readings will include the ancient authors Catullus, Martial, Ovid, Sulpicia, Vergil, Pliny the Elder, Lucretius, Cicero, Horace, Tacitus, Ammianus, Seneca, Petronius, Livy, Plautus, Suetonius, and others.

618 HONORS LATIN III

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least an “A” grade in one semester of Latin II and at least a “B” grade in the other semester of Latin II. OR a “B” average or better in both semesters of Honors Latin II.

This course covers all aspects of the Latin III course as well as advances students to more fluent and regular Latin composition, guides students in individual translation of ancient Latin authors, and includes outside reading, especially reading, discussing and reflecting on Ovid’s epic, “The Metamorphoses.”

615 HONORS LATIN IV

Course Length: Year

Grade Level: 11-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least an “A” grade in one semester of Latin III

and at least a “B” grade in the other semester of Latin III. OR a “B” average or better in both semesters of Honors Latin III.

This course focuses on various themes in Roman culture and Latin literature such the achievements of the emperor Augustus; the use of Latin in the Church; women in ancient Rome; the early history of Rome; ghosts, witches, & werewolves; the lives of slaves and freedmen; love poetry; provincial administration; the Roman calendar; and war & assassination. In addition to reading prose authors (Julius Caesar, Livy, Augustus, Lucan, Petronius, Tacitus, Pliny the Younger, Suetonius, St. Jerome) and poets (Vergil, Horace, Sulpicia, Ovid, Martial), students will develop their understanding of ancient Rome through continued analysis of architecture, art, coins, and inscriptions.

FRENCH

621 FRENCH I

Course Length: Year

Grade Level: 9-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: None

This course develops the basic language communication skills of listening, speaking, reading, and writing in French.

622 FRENCH II

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A “C” or better in both semesters of French I or, for incoming students, a 70% or better on the French Placement Exam.

This course continues the learning of French with equal stress on each of the four general language skills and includes reading for comprehension.

623 HONORS FRENCH II

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0, an “A” in both semesters of French I or, for incoming students, 80% or better on French Placement Exam.

This course continues the learning skills in French with equal stress on each of the four general language skills and includes reading for comprehension. This course is taught at an

accelerated pace and covers a more extensive curriculum than French II.

624 FRENCH III

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A “C” or better in both semesters of French II or Honors French II.

This course offers continued practice opportunities in which reading and writing are demonstrated to a greater extent than in French II. At the same time, specific practice in speaking and listening continues to appear at a level of difficulty corresponding to the ever-accumulating content of the program.

625 HONORS FRENCH III

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0, an “A” in both semesters of French II. OR a “B” or better in both semesters of Honors French II.

This course offers continued practice opportunities in which reading and writing are demonstrated to a greater extent than in French II. At the same time, specific practice in speaking and listening continues to appear at a level of difficulty corresponding to the ever-accumulating content of the program. This course is taught at an accelerated pace and covers a more extensive curriculum than French III.

628 FRENCH IV

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A “C” or better in both semesters of French III or Honors French III.

This course provides specific reading practice using selections from literature of French authors. French history is highly emphasized. The main goal of the course is continued communication in French. It also provides a complete review of grammar covered in previous years.

628H HONORS FRENCH IV

Course Length: Year

Grade Level: 11-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0 and an "A" in both semesters of French III. OR, at least a "B" or better in both semesters of Honors French III.

Honors French IV is a rigorous course which prepares students for AP French. It is an advanced course with emphasis on composition as well as vocabulary building and linguistic accuracy. Students will improve their proficiency through the exclusive use of French in the classroom, listening and reading comprehension activities, and grammar review. Cultural and literary reading selections provide the basis for discussion and original compositions.

627 ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English **NCAA:**

NCAA-approved course – Additional Core Courses

Prerequisites: Overall GPA of 3.0, and an "A" in both semesters of French III. OR, at least an "B" or better in both semesters of Honors French III.

The main goal of the course is to enhance communication skills in French with an emphasis on speaking, writing, listening and cultural awareness in preparation for the AP Exam in May. The College Board Advanced Placement Test must be taken in May. An AP Test Fee applies.

CHINESE

630 CHINESE I

Course Length: Year

Grade Level: 9-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: None

This course offers an introduction to Chinese language and culture to students who have little or no background in Chinese. Students will learn the basics of the spoken and written language using the Pinyin system. Students will develop basic listening, speaking, reading and writing abilities in Mandarin Chinese. Upon completion of the course, students will possess basic vocabulary, be able to comprehend and use conversational Chinese, write simple sentences, and be familiar with aspects of daily life and customs in China.

631 CHINESE II

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: A "C" average or better in both semesters of Chinese I. OR, for incoming students, a 70% or better on the Chinese Placement Exam.

This is an intermediate level, integrated course which focuses on daily conversational and written Chinese language development. Students will continue to strengthen and expand their understanding of the written and spoken language. It is designed to improve language skills in listening, speaking, reading and writing and building up vocabulary and language patterns. Students will continue to gain knowledge of Chinese geography, history, and culture.

637 HONORS CHINESE II

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least an "A" grade in one semester of Chinese I and at least a "B" grade in the other semester of Chinese I OR a "B" average or better in both semesters of Honors Chinese I. OR, for incoming students, an 80% or better on the Chinese Placement Exam.

Honors Chinese II is an intermediate level, integrated course which focuses on daily conversational and written Chinese language development. It is designed to improve the four language skills in listening, speaking, reading and writing and building up students' vocabulary. Students will continue the development of their spoken and written language skills with the use of the Pinyin System with emphasis on expanding the use of simplified characters. The course will enhance student's ability to communicate on a variety of topics in a clear, culturally appropriate and well-organized manner. Students will be able to comprehend more complex authentic oral and written material and will be able to compose well-organized paragraphs in response to prompts. This course will prepare students to succeed in Honors Chinese III.

638 HONORS CHINESE III

Course Length: Year

Grade Level: 10-12

A-G Designation: "E" – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least an "A" grade in one semester of Chinese II and at least a "B" grade in the other semester of Chinese

II. OR a “B” average or better in both semesters of Honors Chinese II.

Honors Chinese III is an intermediate-advanced, immersion course conducted in Mandarin designed for students who have successfully completed Honors Chinese II and who have a very strong interest in continuing their Chinese studies. The goal of this course is to refine students’ Chinese language proficiency in the four skill areas (listening, speaking, reading, and writing) and cultural competencies by building on the foundation developed in the first and second years of Mandarin Chinese studies. Upon completion of the course, students will be able to understand Mandarin spoken by native speakers and fluently engage in conversations with routine tasks and some social situations with ease and confidence as well as continue to perfect their pronunciation and tones for accuracy. Students will continue to advance communicative functions, grammar, vocabulary, idioms, and structures with an increased emphasis on reading and writing. For each thematic unit, students will demonstrate their level of Mandarin Chinese proficiency through key assignments such as writing short stories and/or creating skits. Students will continue to study and master simplified characters.

639 HONORS CHINESE IV

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least an “A” grade in one semester of Chinese III and at least a “B” grade in the other semester of Chinese III. OR a “B” average or better in both semesters of Honors Chinese III.

Honors Chinese IV is designed for students who have successfully completed Honors Chinese III. This advanced level integrated course offers a highly rigorous study of Chinese, focusing on daily conversational and written Chinese language development. Honors Chinese IV covers all aspects of the regular Chinese IV course, pre-AP Chinese material, and additional reading of advanced Chinese Readers Series. Students will be challenged to work at a faster pace, improve their Chinese writing, reading, speaking, and listening skills through more extensive communication practices, and be required to present additional projects that will enhance their ability to compare and contrast the Chinese language and culture with their own. This course will prepare students to succeed in college level Chinese courses.

AMERICAN SIGN LANGUAGE

Note: Approximately 90% of colleges & universities in the United States accept ASL for fulfilling their world/foreign language requirement for admissions. If you have any questions, please contact the ASL teacher and use the website: aslcollege.com for more information.

640 AMERICAN SIGN LANGUAGE I

Course Length: Year

Grade Level: 9-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: None

ASL I will introduce students to the ASL language and the Deaf Community within an immersive, Deaf friendly environment. Grammar will be introduced in context, with an emphasis on developing conversational skills. Expressive and receptive signing skills are practiced through dialogues, projects, and presentations. Students are expected to practice and study outside of the classroom and attend Deaf events in the community.

641 AMERICAN SIGN LANGUAGE II

Course Length: Year

Grade Level: 10-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: At least a “C” or better in both semesters of ASL I.

ASL II will expand on the concepts learned in ASL I. Students will continue to learn communication skills, increase their vocabulary, build on grammar concepts, and continue to learn about the Deaf Community within an immersive, Deaf friendly environment. Expressive and receptive signing skills are practiced through dialogues, projects, and presentations. Students are expected to practice and study outside of the classroom and attend Deaf events in the community.

642H HONORS AMERICAN SIGN LANGUAGE III

Course Length: Year

Grade Level: 11-12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: An “A” in one semester in ASL II and a “B” or better in the other semester of ASL II.

Honors ASL III is a full immersion course conducted entirely in ASL designed for students to develop deeper language skills, both receptive and expressive. It is an advanced course with an emphasis on fluency as well as vocabulary building and linguistic accuracy. Students dive deeper into issues that impact the Deaf Community. Students are expected to practice and study outside the classroom and attend Deaf events in the community. The main goal of the course is near-native fluency in ASL.

643H HONORS AMERICAN SIGN LANGUAGE IV

Course Length: Year

Grade Level: 12

A-G Designation: “E” – Language Other than English

NCAA: NCAA-approved course – Additional Core Courses

Prerequisites: An “A” in one semester in ASL 3 and a “B” or better in the other semester of ASL 3 OR A “B” or better in both semesters of Honors ASL 3.

Honors ASL IV is a full immersion course conducted entirely in ASL designed for students to develop deeper language skills, both receptive and expressive. It is an advanced course with a focus on cultural storytelling and interpreting. Students continue their discussions from ASL III about issues that impact the Deaf Community. Students are expected to practice and study outside the classroom and attend Deaf events in the community. The main goal of the course is near-native fluency in ASL. There is a \$20 course fee to help with the costs of field trip transportation (collected in class).

PERFORMING ARTS

TO GRADUATE, ALL STUDENTS MUST TAKE A PERFORMING AND/OR VISUAL ART

We look forward to creating with you!!!

UC/CSU - "F" VISUAL/PERFORMING ARTS REQUIREMENT:

1 year-long course or 2 semester courses from the same discipline required. One year may be chosen from the following disciplines: dance, music, theater, visual arts or interdisciplinary arts.

	Instrumental Music	Theatre Arts	Dance	Choral & Vocal Music
Classes Offered	Concert Band Symphonic Band Hn Wind Ensemble Marching Band* Percussion Intro to Piano & Music Theory Guitar Intermediate Guitar Adv Guitar -Media Production Orchestra Hn Orchestra Hn Jazz Band Band Assistant* AP Music Theory	Theatre I Theatre II Theatre III Hn Theatre III Hn Theatre IV Hn Theatre V Hn Theatre Capstone Hn Musical Theatre I Hn Musical Theatre II Hn Musical Theatre III	Dance I Dance II Dance III Dance IV Dance Company Hn Dance Company Song Leaders Yoga for Wellness* Yoga for Athletes*	Women's Ensemble (<i>Vivace</i>) Men's Ensemble (<i>Troubadors</i>) Concert Choir Advanced Men's Ensemble (<i>Kingsmen</i>) Hn Advanced Men's Ensemble Hn Chamber Singers Advanced Women's Ensemble (<i>Bel Canto</i>) Hn Acapella Ensembles (<i>Vocal FX, Rubies, Bristol Boys, Melody Lane</i>) Handbell Ensemble Intro to Piano & Music Theory AP Music Theory Choral Assistant* Hn Musical Theatre I Hn Musical Theatre II

*Not a UC and CSU approved course

Performing Arts Enrichment Options are additional enrichment activities and not courses during the school day. Please note that the offerings may differ every semester.

	Instrumental	Theatre Arts	Dance	Choral
Enrichment Electives Offered	Private Lessons Group Lessons Small Ensembles - Clarinet Ensemble - Brass Quintet - Jazz Trio Drumline Winterguard Music Academy (for Incoming Students)	Workshops: - Acting - Improv - Tech Theatre Thespian Troupe Productions Cappies ComedySportz Theatre Arts Club	Drop in Classes: - Jazz - Tap - Contemporary - Ballet Dance Science	Private Voice Lessons Group Voice Lessons Vocal Masterclasses Diction Song Repertoire Audition Techniques

FOR MORE INFORMATION ON ALL PROGRAMS, PLEASE REACH OUT TO THE DIRECTORS:

DANCE@materdei.org

CHOIR@materdei.org

BAND@materdei.org

THEATRE@materdei.org

INSTRUMENTAL MUSIC

803 CONCERT BAND

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Participation in Marching Band/Pep Band is expected. Fees Apply.

Open to students with **no previous instrumental music experience** on band instruments. The class focuses on **learning** to read music notation, understanding fundamental music theory and performance on a band instrument. Most instruments are available with a yearly maintenance fee. Flute, Clarinet, Oboe, Bassoon, Alto Saxophone, French Horn, Trumpet, Trombone, Tuba.

804 SYMPHONIC BAND

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Participation in Marching Band/Pep Band is expected. Fees Apply.

Symphonic Band is open to students with at least 1 year of experience on a wind band instrument. The class focuses on further developing music reading, music theory, and performance skills and technique. Students represent Mater Dei at local and national music festivals and concerts. After school rehearsals and Performances included. If needed, most instruments are available with a yearly maintenance fee. Flute, Clarinet, Oboe, Bassoon, Alto Saxophone, French Horn, Trumpet, Trombone, Tuba.

805 HONORS WIND ENSEMBLE

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Audition. Participation in Marching Band/Pep Band is required. Fees Apply.

Honors Wind Ensemble is open to students with a solid foundation on a wind band instrument and music theory fundamentals. Students are placed by director or by audition. The class focuses on further developing music reading, music theory, and performance skills and technique. After school Rehearsals and Performances are mandatory. Students represent Mater Dei at local and national music festivals and concerts. Most instruments are available with a yearly maintenance fee. Flute, Clarinet, Oboe, Bassoon, Saxophone, French Horn, Trumpet, Euphonium, Trombone, Tuba.

802 PERCUSSION

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Participation in Marching Band/Pep Band and Winter Percussion Ensemble is required. Fees Apply.

***ALL LEVEL PERCUSSIONISTS** must sign-up for this class.

Advanced students receive Honors Credit.

The class focuses on developing music reading, music theory and performance, skills and technique. The class is a 4 year program in which students learn to perform on several types of percussion instruments and specialize in one or several.

Percussion Instruments Include: Drumline Instruments (snare, quads, basses and cymbals), Mallet instruments (marimba, xylophone, vibraphone, bells), Keyboards (piano), Drums Set, Guitar and Latin Percussion (congas, bongos), Hand Percussion Instruments (triangle, cymbals, cow bell, wind-chimes).

855 JAZZ BAND

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Participation in Marching Band/Pep Band is required. Fees Apply.

No previous Jazz experience is required, but the student should be proficient in playing their instrument and music theory fundamentals. The class focuses on further developing music reading, music theory, and performance skills and techniques in various jazz eras and styles. Afterschool Rehearsals and Performances are mandatory. Students represent Mater Dei at local and national music festivals as well as MD and community events.

806 MARCHING BAND

Course Length: Semester

Grade Level: 9-12

A-G Designation: None

Prerequisites: Students should be co-enrolled in an instrumental music course (Beginning Band, Symphonic Band, or Honors Wind Ensemble). Fees Apply.

Open to all students. This competitive group performs at home football games and at local and regional competitions and festivals. Summer Camp, afterschool rehearsals and performances are mandatory. No previous marching or musical experience is necessary. Fall Semester Course.

This course is not UC and CSU approved.

883 INTRO TO ORCHESTRA

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Open to all students. Fees Apply.

This class is open to students with no experience in Orchestra: Violin, Viola, Cello and Contrabass. The class focuses on the development of music theory, orchestral repertoire and performance practices. Students will develop their ensemble and individual skills and techniques specific to their instruments. They will also participate in fall, winter, and spring concerts along with music festival opportunities that enrich and enhance their overall musical experience. Most instruments are available with a yearly maintenance fee.

872 ORCHESTRA

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: By audition or approval of director. Fees Apply

This class is open to students with at least one year experience in Orchestra: Violin, Viola, Cello and Contrabass. The class focuses on continuing the development of music theory, and orchestral repertoire and performance practices. Students will strengthen and further develop their ensemble and individual skills and techniques specific to their instruments. They will also participate in fall, winter, and spring concerts along with music festival opportunities that enrich and enhance their overall musical experience. Most instruments are available with a yearly maintenance fee.

872H HONORS ORCHESTRA

Course Length: Year

Grade Level: 9-12

A-G Designation: UC Approval Pending for "F" – Visual & Performing Arts

Prerequisites: By audition or approval of director. Fees Apply

This class is open to students who are proficient in their Orchestral instrument: Violin, Viola, Cello and Contrabass. The class focuses on continuing the development of music theory, and orchestral repertoire and performance practices. Students will strengthen and further develop their ensemble and individual skills and techniques specific to their instruments. They will also participate in fall, winter, and spring concerts along with music festival opportunities that enrich and enhance their overall musical experience. Most instruments are available with a yearly maintenance fee.

882 INTRO TO PIANO

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Open to all students. Fees Apply.

Intro to Piano is designed for the student with no previous piano or musical experience, as well as for the experienced music student who wishes to learn piano for the purpose of music theory, understanding and application. Through a combination of classroom lessons, online resources, and individual practice, students will learn the fundamentals of music theory and artistic expression through studying, learning, and performing progressive piano music and exercises that present and develop all aspects of music knowledge, comprehension, and performance.

854 GUITAR

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Students must have their own Guitar. Fees Apply.

This class is open to all students with no previous experience required. The course includes music fundamentals, theory, songs, performances, listening, improvising, and learning to read standard music notation as well as tablature. Students will learn open chords, power chords, movable chords, single note (melody) playing, accompaniment techniques, and a variety of playing techniques and styles, including both pick-style and finger-style approaches to the guitar.

871 INTERMEDIATE GUITAR

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: By audition or approval of director. Students must have their own Guitar. Fees Apply.

This is an elective course for Intermediate guitarists with at least 1 or more years of experience on the instrument. Students will continue to learn open chords, power chords, movable chords, single note (melody) playing, accompaniment techniques, and a variety of playing techniques and styles, including both pick-style and fingerstyle approaches to the guitar. The course also includes music fundamentals, theory, songs, performances, listening, improvising, and learning to read standard music notation as well as tablature. In addition, students will be encouraged to attend performances as soloists, small groups,

and collaborate with the advanced level classes on a regular basis.

857 ADVANCED GUITAR - MEDIA PRODUCTION

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: By audition or approval of director. Students must have their own Guitar. Fees Apply.

This course is designed to assist students in the advanced concepts of guitar playing while applying those skills to multi media/performance aspects of the music business. Students will be given direction related to the guitar and learn many different styles of playing from around the world. Special attention will be given to note reading, aural skills, rhythmic patterns, chord study, finger-picking, melody construction, musical forms and performance experience

organization of instrumental equipment and uniforms, and basic office work. **This is not a UC or CSU approved course.**

846 AP MUSIC THEORY

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A Grade of B or higher in all previous Performing Arts Classes; participation in a performing ensemble

This is an advanced level course designed to engage students in learning activities that will help them to achieve the outcomes assessed by the College Board's Advanced Placement Music Theory Examination. The AP Music Theory course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600 – 1900), materials and processes found in other styles and genres are also studied. Students are encouraged to sit for the College Board's Advanced Placement Music Theory Examination. Students who successfully complete the AP Music Theory Examination and plan to major in music in college may be able to enroll in an advanced music theory course, depending upon the individual college's policy. An AP Test Fee applies.

807 BAND ASSISTANT

Course Length: Year

Grade Level: 10-12

A-G Designation: None

Prerequisites: Approval of the teacher

Students assist the Theatre Director. Duties include but are not limited to organizing the Little Theatre, assisting with mailings, basic data input, and inventory. Upon occasion the assistant may also take on creative leadership over class based production elements.

Theatre Department Director. This class builds upon concepts taught in Theatre I, with primary focus on acting techniques. Students will explore all aspects of scene work, while also discovering and conveying a character's intent and objective. The course will include study of play analysis/design, monologue work, and One Act Play rehearsal and performance. Each of these units will both strengthen students as actors, and introduce concepts of directing and design which will be broadened in more advanced courses within the department.

Required events that may extend past the class time:
One Act Plays

THEATRE ARTS

875 THEATRE I (Foundations)

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None

In this introductory course, students will develop the skills necessary to operate as creative, mindful, responsible artists that can appreciate the diversity of theatrical performances and the role of theatre in society while gaining knowledge of a wide range of theatrical disciplines and experiences. Students will explore performance technique through ensemble-based warm-ups and exercises, an overview of theatre practitioners, theorists, and historical context, and develop an understanding for effective aesthetic valuing and critiquing from the perspectives of both performer and audience member. By the completion of the course, students will demonstrate working vocabulary of knowledge of theatre and its development, be able to identify and examine theatrical components in production, analyze and critique performances, and appreciate viewing theatre as an art form.

Students must purchase class materials and textbook; this course requires attendance and critiques of selected theatrical productions.

876 THEATRE II (Intermediate Acting)

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Theatre Arts I grade "C" or above, or equivalent training and experience, and teacher approval.

Theatre II is a one-year course intended for Sophomore, Junior and Senior students who have completed a year of Theatre I, or who have previous experience and meet criteria set forth by the

877 THEATRE III (Technical Theatre & Design)

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Theatre I grade "C" or above, or equivalent training and experience, and teacher approval.

Theatre III is a one-year course intended for Sophomore, Junior and Senior students who have completed a year of Theatre I. This class builds upon concepts taught in previous courses and approaches the study of theatre through production aspects: student-operated theatre company, management, design, technical, and more. This course provides hands-on learning opportunities through both in-class practical application and participation in the technical crews of Theatre productions. Students will complete a portfolio project to showcase their work. Participation in technical crew is a requirement of this course. There is a \$50 lab fee.

877H HONORS THEATRE III (Technical Theatre & Design)

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Theatre I grade "C" or above, Theatre III grade "B" or above, or equivalent training and experience, and teacher approval.

Honors Theatre III is a one-year course intended for Sophomore, Junior and Senior students who have completed a year of Theatre III. This class builds upon concepts taught in previous courses and continues the study of theatre through production aspects: student-operated theatre company, management, design, technical, and more. This course provides hands-on learning opportunities through both in-class practical

application and participation in the technical crews of Theatre productions. Students will complete a portfolio project to showcase their work. Participation in production crews and theatre festivals is a requirement of this course. There is a \$50 lab fee for this course.

873H HONORS THEATRE IV (Advanced Acting)

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: C or above in Theatre II or Honors Musical Theatre, teacher approval, and active participation in Thespian Troupe/Theatre Arts Club.

This honors level course is approved by UC/CSU and fulfills the requirements and benchmarks of the National Core Arts Standards for Theatre. This course is a deeper, more rigorous exploration of Theatre, building on previous prerequisite courses. Students will synthesize knowledge from a variety of dramatic forms, theatrical conventions, and technologies to create theatre. Students will collaborate as a creative team to discover artistic solutions and make interpretive choices in a devised or scripted theatre work, and use the rehearsal process to invent or re-imagine style, genre, form, and conventions, support, explain, and analyze aesthetics, preferences, beliefs, and production elements that inform theatre work. Participation in Theatre productions is a requirement of this course.

Required events that may extend past the class time:

- Theatre in the Grotto
- Christmas at the Corner
- Children's Theatre Tour
- Directing Showcase
- Participation in CETA festival

874H HONORS THEATRE V (Advanced Production & directing)

Course Length: Year

Grade Level: 12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: C or above in Honors Theatre IV, teacher approval, and active participation in Thespian Troupe/Theatre Arts Club.

Honors Theatre V allows students to deepen the width and breadth of learning acquired in Theatre I, II, and Honors Theatre IV and apply it to preparing for college and professional theatre. They will continue to develop their creative voice within their respective craft in order to contribute to the industry and community at large. Students will be supplied with the framework to think critically about artistic interpretation. Students engage in all production aspects culminating in a production or performance, with an emphasis on directing. Students will produce an extensive body of work focused on various genres, styles, theories, and techniques. Students will

become familiarized with current theatrical trends and issues, critically assess their own work, create and sustain an audition repertoire appropriate to their age and type, and collaborate with peers on various projects and productions. Students will serve in leadership positions on mainstage productions, and have opportunities to direct scene work and One Act Plays. Participation in Theatre productions is a requirement of this course.

Required events that may extend past the class time:

Children's Theatre Partnerships

Holidayfest

Directing Showcase

One Act Plays

858 HONORS MUSICAL THEATRE I

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Theatre Arts II/III with a "C" or above, or equivalent training and experience, and teacher approval.

Honors Musical Theatre is a one-year advanced-level academic elective course open to students having taken the appropriate prerequisite. Students will build appropriate audition techniques through both strengthening and properly using the voice, and conveying story and character through each piece. Students will learn how to appropriately select audition material and will be working within several musical theatre genres. Students will study the evolution of the musical from operetta to contemporary works, and will have the opportunity to work on material from each genre. Second semester will feature crafting and performing musical scenes from both traditional and contemporary works, as well as large-scale musical numbers. The second semester will build upon the elements of musical storytelling learned in the first semester, and will not only focus on vocal skills, but physical acting and choreography. Students must purchase class materials as required. There is a \$150 lab fee.

Required events that may extend past the class time:

Theatre in the Grotto

- Christmas at the Corner
- Children's Theatre Tour
- Directing Showcase
- Participation in CETA festival

870 HONORS MUSICAL THEATRE II

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Theatre Arts II/III/Honors Musical Theatre with a "C" or above, or equivalent training and experience, and teacher approval.

Honors Musical Theatre II is a one-year advanced-level academic elective course open to students having taken the appropriate prerequisite. Building upon the techniques gained in Honors Musical Theatre, students will refine audition techniques for musical theatre performance. Students will collaborate to choreograph and stage musical theatre pieces and will work towards the staging of a musical theatre performance. Students will continue to build upon the elements of musical storytelling learned and will not only focus on vocal skills, but physical acting and choreography. Students must purchase class materials as required. There is a \$150 lab fee.

Required events that may extend past the class time:
Musical Theatre Showcases & Events

891 HONORS MUSICAL THEATRE III

Course Length: Year
Grade Level: 11-12
A-G Designation: Pending
Prerequisites: Honors Musical Theatre II with a “C” or above, or equivalent training and experience, and teacher approval/audition. Fees Apply

Honors Musical Theatre III is a one-year advanced-level academic elective course open to students having taken the appropriate prerequisite. Building upon the techniques gained in Honors Musical Theatre II, students will select and build their audition techniques to create a marketable musical theatre performance reel. Students will also build an audition portfolio spanning all genres of musical theatre. Students will collaborate to choreograph and stage musical theatre pieces, as well as build the necessary skills to direct, choreograph, and stage a small-scale musical. Students will continue to build upon the elements of musical storytelling learned and will not only focus on vocal skills, but physical acting and choreography. Students must purchase class materials as required.

Dance

830 DANCE I

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None

This course offers the beginning dance student practical experience in foundations of dance. Emphasis will be on the development of coordination, flexibility, proper body awareness, alignment technique and fundamental vocabulary terms. Dance I will explore a variety of disciplines including: Jazz, Musical Theatre, Contemporary, Lyrical, Ballet, Hip Hop and Choreography. Class will consist of dance warm-up exercises, conditioning, across the floor combinations, center combinations and will end with a cool down. The students will learn short, genre specific dance combinations at the end of each unit to improve technical and performance skills. Students will be introduced to production methods in preparation for their culminating performances in Christmas at the Corner and the Spring Dance Concert. Participation in both performances is required.

832 DANCE II

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Completion of Dance I or instructor's approval.

This course offers students extended experience and practice in the areas of flexibility, strength, body alignment, and performance, while continuing to develop intermediate technical skills. Fundamental vocabulary will be expanded upon. Dance II will delve deeper into multiple disciplines including: Jazz, Musical Theater, Contemporary, Lyrical Ballet, Hip Hop and Choreography. Class will consist of dance warm-up exercises, conditioning, across the floor combinations, center combinations and will end with a cool down. The students will learn a genre specific combination consisting of higher level technical skills and more complex patterns performed at an intermediate level of proficiency. Students will expand their knowledge and understanding of production methods, musicality and performance in preparation for culminating performances in Christmas at the Corner and the Spring Dance Concert. Participation in both performances is required.

831 DANCE III/IV

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Completion of Dance II or instructor's approval.

This course provides continued technical training at an intermediate/advanced level with a focus on Contemporary and Jazz. Curriculum will challenge students to increase proficiency of technical skills through continued strength, flexibility and agility training. In addition to dance vocabulary, students will also learn kinesiological terminology. Class will consist of dance warm-up exercises, conditioning, across the floor combinations, center combinations and will end with a cool down. Elements of dance history, terminology, critical analysis, self-assessment and performance will be covered. The students will learn short segments of choreography over the course of the year designed to further develop their understanding of connection to audience and self through movement. Students will explore and expand their knowledge of movement expression in preparation for culminating performances in Christmas at the Corner and the Spring Dance Concert. Participation in both performances is required.

837 HONORS DANCE COMPANY (Choreography Emphasis)

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Audition in Spring, minimum 2.0 GPA, and approval of Instructor.

Honors Dance Company students will be held to advanced level standards in the training and study of jazz, ballet, hip hop, musical theatre, contemporary, improvisation, and dance composition. Focus will be on developing versatile dance artists who study anatomy, kinesiology, movement and fitness principles, injury prevention, nutrition, and dance pedagogy. This is primarily a movement based class with an emphasis on choreography and performance. Upon completion of this class, students should possess a broader knowledge of dance techniques, body awareness and mechanics, and a greater sense of individual expression and autonomy.

886 DANCE CONSERVATORY

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" - Visual & Performing Arts

Prerequisites: Audition in spring, minimum 2.0 GPA, and instructor's approval

This class is a conservatory-style dance program designed to prepare dancers for a collegiate and/or professional career in dance through pre-professional experiences that include

training, performance, exposure to colleges and professional dance companies, and portfolio building activities. Students take weekly classes in jazz, contemporary, and ballet with adjunct faculty specializing in their fields, work with guest choreographers in a variety of styles, and perform in theatre venues for concerts and festivals. Upon completion of this class, students should be able to demonstrate proficiency and versatility in various dance genres and an understanding of collegiate studies and career opportunities related to dance.

pass and is a fee-based course. **This is not a UC or CSU approved course.**

972 SONG LEADERS

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: Audition in Spring, minimum 2.0 GPA, and approval of Instructor.

During this period, the pep squad either practices for games and competitions. **NOTE:** This is not a UC or CSU approved course.

1092 YOGA FOR WELLNESS

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: None

This course is designed to introduce students to the basic postures, stretching techniques, and relaxation methods of yoga. Students will enhance their balance, endurance, flexibility, and stamina throughout this practice-based course. Emphasis will be placed on mental and emotional wellbeing, stress relief, and building healthy habits. Class is appropriate for all abilities. **NOTE:** This class is taken for credit only and is pass/no pass and is a fee-based course. **This is not a UC or CSU approved course.**

1095 YOGA FOR ATHLETES

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: None

This course is designed to complement the training and conditioning regimens of student-athletes. Focus will be on flexibility, applied anatomy, biomechanics, balance, and stamina. Elements of sports psychology will provide the mindset tools to prepare student-athletes for peak performance, mental/emotional regulation as it relates to sports, and overall wellbeing. Class is appropriate for all abilities. **NOTE:** This class is taken for credit only and is pass/no

CHORAL AND VOCAL MUSIC

840 WOMEN'S ENSEMBLE (*Vivace*)

Course Length: Year

Grade Level: 9-12, female students

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None. Fees apply

The Women's Ensemble consists of all women and functions as an introduction to choral singing. This group focuses on beginning to intermediate vocal techniques for the female voice found in a broad spectrum of musical styles. Basic music theory (construction of Major and Minor scales, interval identification, some chordal analysis) and sight-reading are important parts of this curriculum. The Women's Ensemble performs at school and community functions, participates in festivals and competitions throughout California, and occasionally goes on tour with the other groups.

841 MEN'S ENSEMBLE (*Troubadors*)

Course Length: Year

Grade Level: 9-12, male students

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None. Fees apply

The Mater Dei Men's Ensemble performs at major school functions and several concert sites throughout Southern California. This group focuses on beginning to intermediate vocal techniques for the male voice found in a broad spectrum of music styles. Basic to intermediate music theory (construction of Major and Minor scales, interval identification, some chordal analysis) and sight-reading (utilizing moveable 'do') are important parts of this curriculum. The Mater Dei Men's Ensemble performs at school and community functions, participates in festivals and competitions throughout California, and occasionally goes on tour with the other groups. Students who join this ensemble will be expected to take part in concerts and any special rehearsals that may be necessary.

851 CONCERT CHOIR

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Vocal audition required. Auditions are held in May prior to the new school year. Fees apply

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

Concert Choir is an intermediate level performance course designed to enhance music reading and literacy with a strong emphasis on vocal development and performance. The Concert Choir performs in no less than 5 formal concerts each year, 3 major festivals and tours frequently both domestically and abroad performing in some of the world's most beautiful

venues. There is a choir fee of \$425 to help cover the costs of transportation, costuming, music and events. Numerous fundraising opportunities administered through our healthy booster club are available to assist in defraying costs.

843 ADV WOMEN'S ENSEMBLE (*Bel Canto*)

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Vocal audition required. Auditions are held in May prior to the new school year. Fees apply

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

The Mater Dei Advanced Women's Ensemble is comprised of an advanced group of female singers dedicated to the art of choral music. This highly specialized group will focus on advanced vocal techniques for the female voice as well as learn and perform advanced choral music. The ensemble takes part in festivals and competitions throughout Southern California and the United States and will have the opportunity to travel.

859 ADV MEN'S ENSEMBLE (*Kingsmen*)

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Vocal audition required. Auditions are held in May prior to the new school year. Fees apply

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

The Mater Dei Advanced Men's Ensemble is comprised of an advanced group of male singers dedicated to the art of choral music. This highly specialized group will focus on advanced vocal techniques for the male voice as well as learn and perform advanced choral music. The ensemble takes part in festivals and competitions throughout Southern California and the United States and will have the opportunity to travel.

843H HN ADV WOMEN'S ENSEMBLE

Course Length: Year

Grade Level: 11-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Cumulative GPA of 3.0, approval of course instructor, At least one year in Advanced Women's Ensemble. Auditions are held in May prior to the new school year.

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

The Honors Advanced Women's Ensemble is a highly specialized group dedicated women's voices to the art of fine choral music. The group is centered on mastering advanced vocal techniques as well as the performance of advanced musical styles. The Mater Dei Advanced Women's Ensemble has built a strong reputation in the community as well as abroad. The heavy demand for concertizing requires a full-time commitment to the group. The ensemble takes part in festivals and competitions throughout Southern California and the United States and will have the opportunity to travel. There is a \$450.00 choral fee to help cover the cost of new music, costuming, and transportation needs. Parents and students are required to sign a contract specifying the student's obligations in this class.

859H HN ADVANCED MENS ENSEMBLE

Course Length: Year

Grade Level: 11-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Cumulative GPA of 3.0, approval of course instructor, At least one year in Advanced Men's Ensemble.

Auditions are held in May prior to the new school year.

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

The Honors Advanced Men's Ensemble is a highly specialized group of tenor/bass voices dedicated to the art of fine choral music. The group is centered on mastering advanced vocal techniques as well as the performance of advanced musical styles. The Mater Dei Advanced Men's Ensemble has built a strong reputation in the community as well as abroad. The heavy demand for concertizing requires a full-time commitment to the group. The ensemble takes part in festivals and competitions throughout Southern California and the United States and will have the opportunity to travel. There is a \$450.00 choral fee to help cover the cost of new music, costuming, and transportation needs. Parents and students are required to sign a contract specifying the student's obligations in this class.

848 HONORS CHAMBER SINGERS

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Cumulative GPA of 3.0, approval of course instructor, one year in a Mater Dei performance ensemble.

Auditions are held in May prior to the new school year. Fees apply.

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

The Mater Dei Chamber Singers is a highly specialized group dedicated to the art of fine choral music. The group is centered on mastering advanced vocal techniques as well as the

performance of advanced musical styles. The Mater Dei Chamber Singers have built a strong reputation in the community as well as abroad. The heavy demand for concertizing requires a full time commitment to the group. The ensemble takes part in festivals and competitions throughout Southern California and the United States and will have the opportunity to travel.

881H HONORS ACAPELLA ENSEMBLES

Course Length: Year

Grade Level: 9-12, by audition only

A-G Designation: UC Approval Pending for "F" – Visual & Performing Arts

Prerequisites: Auditions are held in May prior to the new school year. Fees Apply.

Auditions are held in three parts: A vocal audition in front of a panel of judges, students must pass an Aural Aptitude exam, students must then pass sight-reading exam.

The Mater Dei Honors Acapella Ensembles include Vocal FX (Mixed Acapella), Melody Lane (Girl's Acapella), Bristol Boys (Boy's Barbershop), and Rubies (Girl's Barbershop). These are highly specialized acapella groups dedicated to the art of contemporary and close harmony choral music. The group is centered on mastering advanced vocal techniques as well as the performance of advanced musical styles. The heavy demand for concertizing requires a full time commitment to the group. The ensemble takes part in festivals and competitions throughout Southern California and the United States and will have the opportunity to travel.

846 AP MUSIC THEORY

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A Grade of B or higher in all previous Performing Arts Classes. Fees Apply.

This is an advanced level course designed to engage students in learning activities that will help them to achieve the outcomes assessed by the College Board's Advanced Placement Music Theory Examination. The AP Music Theory course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600 – 1900), materials and processes found in other styles and genres are also studied. Students are encouraged to sit for the College Board's Advanced Placement Music Theory Examination. Students who successfully complete the AP Music Theory Examination and plan to major in music in college may be able to enroll in an advanced music theory course, depending upon the individual college's policy. An AP Test Fee applies.

844 HANDBELL ENSEMBLE

Course Length: Year

Grade Level: 9-12

A-G Designation: “F” – Visual & Performing Arts

Prerequisites: Approval of the teacher.

The Mater Dei Handbell Ensemble is one of the premier handbell choirs of Southern California. The choir rings sixty different bronze bells and up to thirty hand chimes. Previous experience in handbell ringing is not required since all ringing techniques are taught in class. The Mater Dei Handbell Choir goes on tour yearly to Las Vegas, Nevada. The Handbell Choir takes part in yearly festivals and is commonly asked to perform at ten to fifteen special city functions and ceremonies. Music theory is also taught in class allowing the students to advance in their ability to read and understand musical score. Instrumentalists and percussionists commonly take this course to improve their music reading skills.

VISUAL ARTS

UC/CSU - "F" VISUAL/PERFORMING ARTS REQUIREMENT:

1 year-long course or 2 semester courses from the same discipline required. One year chosen from the following disciplines: dance, music, theater, visual arts or interdisciplinary arts.

SAMPLE VISUAL ARTS PATHWAYS

	Freshman	Sophomore	Junior	Senior
Courses Offered	Art I Graphic Design I Digital Photography Ceramics I	Art II Graphic Design II Digital Photography II Ceramics II Animation	Hn Art III Hn Graphic Design III Hn Digital Photography III Hn Ceramics III Hn Animation II	AP Studio Art: Drawing AP Studio Art: 2-D Design AP Studio Art: 3-D Design Visual Arts Aide

*All visual arts courses are both UC and CSU approved courses unless otherwise indicated.

820 ART I

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None

This course will introduce the student to the composition of art in terms of the basic elements of art: Line, shape/form, value, texture, space, and color as well as the principles of design: Unity, balance, rhythm and variation. Emphasis will be placed on learning skills and techniques to develop the student's creative ability as well as observational drawing skills and the use of technology in art production. The course is designed for students of all skill levels. Media used include pencil, ink, charcoal, oil pastels, colored pencils, acrylic paint and watercolors. **Materials and tools fee charged for this course.**

822 ART II

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in Art I and approval of Art I teacher.

Students will further explore their understanding of the elements and principles of art. The curriculum will include advanced media exploration, creative expression and problem solving. **Materials and tools fee charged for this course.**

823H HONORS ART III

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in Art II and approval of current visual arts instructor.

This course is designed for students who are committed to

improving their skills in visual art and are planning to take AP Studio Art 2D or Drawing and/or pursue art in college and a career in art. Advanced Studio Art students will work at an advanced skill level using a variety of artistic mediums. The class will focus on the strengthening of independent thinking and creativity, the development of personal style and technique, as well as critical thinking skills through problem solving. Some studio work will be related to the study of historical art movements or artists and cultural studies. Students will participate in preparing and exhibiting their work in public. Students will do written analysis and critique of their own art and other artists, and review gallery and museum visits.

819 ADVANCED PLACEMENT STUDIO ART: DRAWING PORTFOLIO

Course Length: Year

Grade Level: 12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "A" in Art II or Art III.

Recommendation from current Visual Arts instructor. Portfolio review by AP Studio instructor.

Materials and tools fee charged for this class. AP test fee.

This advanced art course will develop individual skills to meet Advanced Placement Portfolio requirements. For the Drawing Portfolio, students will explore advanced drawing and painting techniques, submitting art, images and writing to document their inquiry-guided investigation through practice, experimentation and revision. The portfolio is divided into the following categories that the student must complete before the exam.

SUSTAINED INVESTIGATION: (60% of exam score) A minimum of 15 digital images that include works of art, design and process. Typed responses to prompts, providing information about the questions that guided their investigation and how they practiced, experiments and revised their work accordingly.

SELECTED WORKS: (40% of exam score) Students will select five physical works that best demonstrate their highest level of accomplishment in drawing and painting in relation to their inquiry-guided investigation along with written responses on paper detailing the materials, processes and ideas used.

866 GRAPHIC DESIGN 1

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None

This course is a class in the basic elements and principles of design as they are applied to graphic design and digital media. The course includes an introduction to the role of art movements in design and to the use of design in other cultures. Students will learn two-dimensional applications of design concepts, critical thinking and problem-solving skills while providing training in the use of the computer programs Adobe Photoshop and Illustrator. **Materials and tools fee charged for this course.**

867 GRAPHIC DESIGN 2

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A "B" or better in Graphic Design 1 or Digital Photography 1 and approval of current visual arts instructor.

This is a year-long, advanced course in digital art and graphic design. Students will learn to apply the elements and principles of art in two-dimensional computer-generated imagery. Students will learn to integrate and organize text and computer graphics into design, edit and manipulate photography, and draw and paint digitally. Students will gain understanding of artists and art styles that have impacted commercial and fine art. This course provides continued training in the computer programs Adobe Photoshop and Illustrator.

868H HONORS GRAPHIC DESIGN 3

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A "B" or better in Graphic Design 2 or Digital Photography 2 and recommendation of current visual arts instructor.

Honors Graphic Design 3 is intended for highly motivated students who wish to continue their education in the Graphic Design and Digital Art fields.

This year long course will build upon the foundational elements and principles of visual communication introduced in prior classes. Students will learn to apply the elements and principles of art in two-dimensional computer-generated imagery.

Students will learn to integrate and organize text and computer graphics into design, edit and manipulate photography, and draw and paint digitally. Students will gain understanding of artists and art styles that have impacted commercial and fine art. This course provides continued training in the computer programs Adobe Photoshop and Illustrator. Additionally, students will be required to analyze and write about their works of art and the artwork of others. Students will participate in formal written and oral class critiques. Students will create a portfolio of work that may be used as part of an AP Studio Art portfolio in Drawing or 2D Design, and/or used for an art supplement when applying to college. Materials and tools fee charged for this course.

863 ANIMATION

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in either Art I or Graphic Design 1 and recommendation from your Visual Arts instructor.

This class is designed to introduce students to the history, skills and techniques of traditional animation. Emphasis will be placed on the elements and principle of art, design and communication and how these fundamentals connect with the narrative art of animation. Topics of the class will also include gesture drawing, character design, storyboarding and the use of technology in art production. **Materials and tools fee charged for this course.**

865H HONORS ANIMATION 2

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in Animation 1 and recommendation from Animation instructor.

This course develops the skills and techniques necessary for traditional animation. Honors Animation 2 emphasizes the history of animation, advanced animation techniques and the production cycle for animation, specifically: story, character design, environment design and storyboarding. Students will study art theory such as: composition, line, rhythm, movement and color and apply it to the work they create. The course will culminate with a student made short feature and the preparation of a portfolio of their artwork and animations. **Materials and tools fee charged for this course.**

829 DIGITAL PHOTOGRAPHY

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None

This course is a class in the basic elements and principles of art as they are applied to digital photography. Students will learn the basic concepts of taking photographs and how to use a

digital camera. The course includes an introduction to the history of photography and to noted photographers of the 19th century up to present day. Students will learn photography terms and techniques, how to print and mat work, and apply critical thinking and problem-solving skills. Students will also be introduced to digital imagery manipulation through the use of Adobe Photoshop. **Materials and tools fee charged for this course.**

833 DIGITAL PHOTOGRAPHY 2

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Grade of "B" or better in Digital Photography.

Recommendation of Digital Photography instructor.

This is an advanced class in digital photography. Students will continue to study the elements and principles of art, refine and explore photographic techniques and develop skill in photo editing software to improve the appearance of their images.

Materials and tools fee charged for this course.

878 HONORS DIGITAL PHOTOGRAPHY III

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Grade of "B" or better in Digital Photography 2.

Recommendation of Digital Photography instructor.

This is an advanced class in digital photography designed for students planning to enroll in AP Studio Art the following year, or pursuing Photography as a course of study in college or as a career. Advanced students will further develop their photography skills through the practice of a variety of techniques and mediums. The class will also focus on strengthening the young artists' independent thinking, creativity and personal style. **Materials and Tools Fee charged for this course.**

862 ADVANCED PLACEMENT STUDIO ART: 2-D DESIGN PORTFOLIO

Course Length: Year

Grade Level: 12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "A" in Contemporary Media I/II or Digital Photography II. Recommendation from current Visual Arts instructor. Portfolio review by AP Studio instructor.

Materials and tools fee charged for this class. AP test fee.

This advanced art course will develop individual skills to meet Advanced Placement Portfolio requirements. For the 2-D portfolio, students will explore advanced techniques in graphic design, photography and/or digital art submitting art, images and writing to document their inquiry-guided investigation through practice, experimentation and revision.

The portfolio is divided into the following categories that the

student must complete before the exam.

SUSTAINED INVESTIGATION: (60% of exam score) A minimum of 15 digital images that include works of art, design and process. Typed responses to prompts, providing information about the questions that guided their investigation and how they practiced, experiments and revised their work accordingly.

SELECTED WORKS: (40% of exam score) Students will select five physical works that best demonstrate their highest level of accomplishment in drawing and painting in relation to their inquiry-guided investigation along with written responses on paper detailing the materials, processes and ideas used.

808 CERAMICS I

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: None

This college preparatory course is an introduction to ceramics that will cover basic hand building techniques; coil, pinch, slab, relief and subtractive sculpture methods. Projects will emphasize problem solving and an introduction to the elements and principles of art as they relate to three-dimensional design. The course will also focus on Ceramics as a form of expression that can be both utilitarian and sculptural. In addition, the curriculum will include aesthetic perception through the design, creation and written evaluation of projects created. Students will research various cultures and the pottery created by them, as well as contemporary ceramic artists and evaluate the aesthetics of their work. Students will research, using in class materials, the school library and the internet to broaden their knowledge about each assignment. The iPad will be used to photograph and self-assess each assignment with regards to design, execution, construction, and aesthetics. Each student is required to submit their best work to the all school art show in the spring. **Materials and tools fee charged for this course.**

809 CERAMICS II

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in Ceramics I. Approval of the Ceramics I Instructor.

This year long advanced course includes further exploration of hand building and finishing techniques to solve complex three-dimensional problems. Problems will require both sculptural and utilitarian solutions, but the focus will be more on Ceramics as a sculptural mode of expression, with regard to interpreting three-dimensional spaces and sculpture as social commentary. Students will be required to write about their intent and well as their experience with regards to the outcome of finished work. Students will be required to research contemporary ceramic artists and to visit local art galleries that showcase three-dimensional art and share their experience with the class. Each student is required to submit one or more

of their best work from the year to the all school art show in the spring. **Materials and tools fee charged for this course.**

SELECTED WORKS: (40% of exam score) Students will select five physical works that best demonstrate their highest level of accomplishment in drawing and painting in relation to their inquiry-guided investigation along with written responses on paper detailing the materials, processes and ideas used.

860H HONORS CERAMICS III

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "A" or better in Ceramics II. Approval of the Ceramics II Instructor.

This course is designed to teach students both the theory and applications of Ceramics at a more advanced level than Ceramics II. Students will research, design and submit written evaluations of their process, and execution for each project. It is expected that each advanced student continue to visit local art galleries that showcase three-dimensional art and share their experience with the class. Juniors in Ceramics III who plan on taking AP Studio Art 3D Design are creating a body of work aimed at fulfilling the breadth section of that portfolio.

Materials and tools fee charged for this course.

821 ADVANCED PLACEMENT STUDIO ART: 3-D DESIGN PORTFOLIO

Course Length: Year

Grade Level: 12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "A" in Ceramics I, II or III.

Recommendation from current Visual Arts instructor. Portfolio review by AP Studio instructor.

Materials and tools fee charged for this class. AP test fee.

This advanced art course will develop individual skills to meet Advanced Placement Portfolio requirements. For the Three-dimensional Portfolio, students will explore advanced sculptural issues of form, space, volume, and mass using sculptural methods of subtraction, fabrication, and manipulation, submitting art, images and writing to document their inquiry-guided investigation through practice, experimentation and revision.

The portfolio is divided into the following categories that the student must complete before the exam.

SUSTAINED INVESTIGATION: (60% of exam score) A minimum of 15 digital images that include works of art, design and process. Typed responses to prompts, providing information about the questions that guided their investigation and how they practiced, experiments and revised their work accordingly.

817 ADVANCED PLACEMENT ART HISTORY

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: Cumulative 3.3 GPA. First Semester English grade of "A".

The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. Fee charged for AP Test Exam. All students are required to take the AP Exam.

FILM & MEDIA STUDIES

FILM AND MEDIA ARTS COURSE & INTEREST FLOWCHART

AREA OF INTEREST	INTRO CLASSES <i>All courses available to freshmen</i>	INTERMEDIATE CLASSES <i>*Only available to Freshman with approval</i>	EXPERT CLASSES <i>Not available to Freshman</i>
FILM STUDIES	- 1046: Filmmaking I - <i>1070 Introduction to Media</i>	- 1056: Filmmaking II	- Honors Filmmaking III
TELEVISION & BROADCAST	- 1040: Studio Production	- 1042: Advanced Television Production (Monarch TV) I * - 1055: Sports Broadcasting * - 1049: Acting for Television I	- 1043: Advanced Television Production II - 1057 Acting for Television II - Honors Advanced Television Production
NEWSPAPER AND YEARBOOK	- <i>1070 Introduction to Media</i>	- 1071/1072: Newspaper I, II - 1074: Newspaper II Honors - 1076/1077: Yearbook I, II - 1077: Yearbook II - 1079: Yearbook II Honors	- 1073/1082: Newspaper III, IV - 1075/1081: Newspaper III, IV Honors - 1078/949: Yearbook III, IV - 1080/949H: Yearbook III Honors

* Pre-requisite required or Department approval required for 9th grade enrollment

BOLD – Indicates classes that fulfill the UC Visual and Performing Arts Requirement (all classes are UC approved courses)
ITALICS – Courses in italics are open to 9th grade enrollment.

Intro to Media Production is the ideal class for students who have an interest in Film and Media Arts but do not have a field of emphasis.

Questions can be directed to the Director of Film and Media arts, Andrew Roberts, at aroberts@materdei.org.

1070 INTRODUCTION TO PUBLICATION DESIGN [INTRO TO MEDIA]

Course Length: Year

Grade Level: 9-12

A-G Designation: "G" - College-Preparatory Elective

Prerequisites: None

Introduction to publication design is a year-long course in which students will learn how to tell stories through writing, photography, broadcast, design and social media. This course will provide a foundation in multimedia journalism as a means of training students to work for one of Mater Dei's student media staffs, including *The Scarlet Scroll* newspaper and the *CROWN* yearbook, as well as Monarch Television. Students will learn how to research, how to use production software and

equipment like Adobe InDesign and digital cameras, and how to capture the stories of the Mater Dei and Orange County communities through various platforms.

1071 NEWSPAPER I: MEDIA PRODUCTION

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Past experience or instructor approval required. Completion of application and approval of newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student newspaper, *The Scarlet Scroll*. Students will gain experience in writing,

photography, graphic design, layout design and social media by covering the stories of the school year that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$125 course materials fee.

1072 NEWSPAPER II: MEDIA PRODUCTION

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application and approval of newspaper adviser. Completion of Introduction to Publication Design or exemption that is approved by newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student newspaper, *The Scarlet Scroll*. Students will gain experience in writing, photography, broadcast, graphic design and layout design by covering school-related news, feature stories, social issues, art reviews and sporting events that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1073 NEWSPAPER III: MEDIA PRODUCTION

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application and approval of newspaper adviser. Completion of Introduction to Publication Design or exemption that is approved by newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student newspaper, *The Scarlet Scroll*. Students will gain experience in writing, photography, broadcast, graphic design and layout design by covering school-related news, feature stories, social issues, art reviews and sporting events that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1082 NEWSPAPER IV: MEDIA PRODUCTION

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application and approval of newspaper adviser. Completion of Introduction to Publication Design or exemption that is approved by newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student newspaper, *The*

Scarlet Scroll. Students will gain experience in writing, photography, broadcast, graphic design and layout design by covering school-related news, feature stories, social issues, art reviews and sporting events that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1074 NEWSPAPER II HONORS: ADVANCED MEDIA LEADERSHIP

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application, interview and approval of newspaper adviser. Completion of Introduction to Publication Design and Newspaper I.

Students in this course may apply for editor positions on the staff of the student newspaper, *The Scarlet Scroll*. While continuing their work as reporters for the student newspaper, editors will also serve as the leaders and managers of the staff by planning and editing content, overseeing the staff, teaching new skills, and organizing events and new projects. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1075 NEWSPAPER III HONORS: ADVANCED MEDIA LEADERSHIP

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application, interview and approval of newspaper adviser. Completion of Introduction to Publication Design and Newspaper II.

Students in this course may apply for editor positions on the staff of the student newspaper, *The Scarlet Scroll*. While continuing their work as reporters for the student newspaper, editors will also serve as the leaders and managers of the staff by planning and editing content, overseeing the staff, teaching new skills, and organizing events and new projects. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1081 NEWSPAPER IV HONORS: ADVANCED MEDIA LEADERSHIP

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application, interview and approval of newspaper adviser.

Completion of Introduction to Publication Design and Newspaper III.

Students in this course may apply for editor positions on the staff of the student newspaper, *The Scarlet Scroll*. While continuing their work as reporters for the student newspaper, editors will also serve as the leaders and managers of the staff by planning and editing content, overseeing the staff, teaching new skills, and organizing events and new projects. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1076 YEARBOOK I: MEDIA PRODUCTION

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Past experience or instructor approval required. Completion of application and approval of yearbook adviser.

This course is a year-long multimedia production course devoted to the publication of the student yearbook, the CROWN. Students will gain experience in writing, photography, graphic design, layout design and social media by covering the stories of the school year that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$125 course materials fee.

1077 YEARBOOK II: MEDIA PRODUCTION

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application approval of yearbook adviser. Completion of Introduction to Publication Design or exemption that is approved by newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student yearbook, the CROWN. Students will gain experience in writing, photography, graphic design and layout design by covering the stories of the school year that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1078 YEARBOOK III: MEDIA PRODUCTION

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application approval of yearbook adviser. Completion of

Introduction to Publication Design or exemption that is approved by newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student yearbook, the CROWN. Students will gain experience in writing, photography, graphic design and layout design by covering the stories of the school year that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

949 YEARBOOK IV: MEDIA PRODUCTION

Course Length: Year

Grade Level: 11-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application approval of yearbook adviser. Completion of Introduction to Publication Design or exemption that is approved by newspaper adviser.

This course is a year-long multimedia production course devoted to the publication of the student yearbook, the CROWN. Students will gain experience in writing, photography, graphic design and layout design by covering the stories of the school year that take place on and off campus and within the Mater Dei and Orange County communities. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1079 YEARBOOK II HONORS: ADVANCED MEDIA LEADERSHIP

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" – Visual & Performing Arts

Prerequisites: A grade of "B" or better in English. Completion of application, interview and approval of yearbook adviser. completion of Introduction to Publication Design and Yearbook I.

Students in this course may apply for editor positions on the staff of the student yearbook, the CROWN. While continuing their work as content creators for the yearbook, editors will also serve as the leaders and managers of the staff by planning and editing content, overseeing the staff, teaching new skills, and organizing events and new projects. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1080 YEARBOOK III HONORS: ADVANCED MEDIA LEADERSHIP

Course Length: Year

Grade Level: 11-12

A-G Designation: “F” – Visual & Performing Arts

Prerequisites: A grade of “B” or better in English. Completion of application, interview and approval of yearbook adviser.

Completion of Introduction to Publication Design and Yearbook II.

Students in this course may apply for editor positions on the staff of the student yearbook, the *CROWN*. While continuing their work as content creators for the yearbook, editors will also serve as the leaders and managers of the staff by planning and editing content, overseeing the staff, teaching new skills, and organizing events and new projects. This course is both a class and an extracurricular activity.

949H YEARBOOK IV HONORS: ADVANCED MEDIA LEADERSHIP

Course Length: Year

Grade Level: 11-12

A-G Designation: “F” – Visual & Performing Arts

Prerequisites: A grade of “B” or better in English. Completion of application, interview and approval of yearbook adviser.

Completion of Introduction to Publication Design and Yearbook III.

Students in this course may apply for editor positions on the staff of the student yearbook, the *CROWN*. While continuing their work as content creators for the yearbook, editors will also serve as the leaders and managers of the staff by planning and editing content, overseeing the staff, teaching new skills, and organizing events and new projects. This course is both a class and an extracurricular activity. This course has a \$25 course materials fee.

1046 FILMMAKING I

Course Length: Year

Grade Level: 9-12

A-G Designation: “F” - Visual & Performing Arts

Prerequisite: None

The course is primarily a production course using class members as the production unit with a focus on short fiction filmmaking, including story; development, production techniques and the art of post-production. Students will learn and participate in a variety of roles in the creation process including those of director, producer, editor and production assistant. This course will also introduce students to various perspectives on the study and production of film and media theory and production. Students will gain an historical understanding of media as well as its application. Materials fee is charged for this course.

1056 FILMMAKING II

Course Length: Year

Grade Level: 9-12

A-G Designation: “G” - College-Preparatory Elective

Prerequisite: Completion of Filmmaking I

Filmmaking II picks up directly where Filmmaking I leaves off and expands on the previous curriculum while introducing more advanced techniques. Students study the historical development of the motion picture industry on a global level as well as the contributions of specific artists from visual and performing arts who have shaped the look of film today. Students study narrative storytelling and apply that knowledge to scriptwriting. Cinematography and editing principles and concepts will be applied so students have a clear understanding of what it takes to work as a professional in the film industry. Finally, students explore the opportunities for career paths in film and related industries. Materials fee is charged for this course.

1058 HONORS FILMMAKING III

Course Length: Year

Grade Level: 10-12

A-G Designation: “F” - Visual & Performing Arts

Prerequisite: C or higher in Filmmaking II

Honors Filmmaking allows for students to take on greater leadership roles and work on longer form projects as they continue to hone their filmmaking skills, learning about but the creation process and the industry. Scriptwriting, cinematography and editing principles and concepts will be applied so students have a clear understanding of what it takes to work as a professional in the film industry. Finally, students explore the opportunities for career paths in film and related industries. Materials fee is charged for this course.

1069 HONORS FILMMAKING IV

Course Length: Year

Grade Level: 11-12

A-G Designation: “F” - Visual & Performing Arts

Prerequisite: Successfully pass Honors Filmmaking III with a minimum grade of 75

Honors Filmmaking IV builds on the leadership skills developed during Honors Filmmaking III as well as work on longer projects. Students will continue to hone their filmmaking skills, creativity, and on-set leadership. Students will lead small groups to create independent short films reflecting the professional film industry. The focus in this course is on Directing, Screenwriting, Advanced Camera Techniques, and Storytelling for Film. Finally, students explore the opportunities for career paths in film and related industries. Materials fee is charged for this course.

1040 STUDIO PRODUCTION

Course Length: Year

Grade Level: 9-12

A-G Designation: “F” - Visual & Performing Arts

Prerequisite: None

Students will learn the fundamentals of television production including: camera operation, gripping, stage management, lighting, audio, basic scriptwriting, basic editing, in addition to the basic technical aspects of studio production. Students will contribute to the Monarch TV morning show. In this course, students may have the opportunity to participate in some extracurricular events requiring production throughout the semester. Materials fee is charged for this course.

1066 ADVANCED TELEVISION PRODUCTION I

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" - Visual & Performing Arts

Prerequisite: C or higher in Studio Production

These advanced courses will allow students to learn more professional techniques of television production including: directing, producing, acting for television, advanced camera operation, studio and remote shoot management, advanced scriptwriting, advanced editing, creativity in audio and lighting, graphics and technical engineering. Students will be required to work in a variety of crew roles to gain experience. Students are responsible for creating the Monarch TV morning news. This class will be invaluable in portfolio building for those students who plan to major in production and pursue careers in television, film, or live broadcasting. Materials fee is charged for this course.

1067 ADVANCED TELEVISION PRODUCTION II

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" - Visual & Performing Arts

Prerequisite: C or higher in Advanced Television Production I.

Building off the knowledge gained in Advanced Television I, students will have the opportunity to enhance and develop both creative and management skills. Students will assume roles emphasizing leadership such as producer, director, floor director, writer or lead on-air talent. Under the direct guidance of the instructor, these students will work alongside the Advanced Television I students acting as team leaders and mentors. Assignments will focus on the production of the Monarch Television morning show as well as additional segments for Mater Dei and the Diocese. Advanced crew positions require leadership skills and carry increased responsibility; therefore, assignments require extracurricular participation. Materials fee is charged for this course.

1068 HONORS ADVANCED TELEVISION PRODUCTION III

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" - Visual & Performing Arts

Prerequisite: C or higher in Advanced Television Production II

This advanced honors course will allow students to learn more advanced techniques of television production through leadership roles with a focus on running production teams serving as the director and producer while learning advanced production skills and techniques. Students will be required to work in a variety of crew roles to gain experience and students will be required to complete a designated number of extra-curricular hours toward class assignments.

1049 ACTING FOR TELEVISION

Course Length: Year

Grade Level: 9-12

A-G Designation: "F" - Visual & Performing Arts

Prerequisite: C or Higher in Intro to Media Production or Theatre Arts I and approval from Director of either the Performing Arts or the Film and Media Arts Department.

The course is geared toward students who are serious about acting and learning the necessary skills to build a professional portfolio geared toward the entertainment industry. Students will have the opportunity to develop projects from script to screen on the daily Monarch TV morning show. Students will additionally learn the technical nuances to producing news, documentaries, voice overs, and deadline specific projects for Mater Dei in order to further their understanding of the entire process. Materials fee is charged for this course.

1057 ACTING FOR TELEVISION II

Course Length: Year

Grade Level: 10-12

A-G Designation: "F" - Visual & Performing Arts

Prerequisite: C or Higher in Acting for Television

Acting for Television II expands upon the knowledge gleaned from the first-year class and is designed to continue the students' knowledge of and comfort in front of the camera. This will include new opportunities for creativity and leadership as they will be responsible for the broadcast of the daily morning show, producing individual and group segments, and creating pieces for Mater Dei or the Diocese. While not explicitly stated in each unit, the students will be responsible for anchoring the daily morning show, creating individual and team segments, as well as participating as technicians as needed. Materials fee is charged for this course.

1055 SPORTS BROADCASTING

Course Length: Year

Grade Level: 9-12

A-G Designation: "G" - College-Preparatory Elective

Prerequisite: This class is an intermediate to advanced production class and requires a passing grade in a previous video/media/film production course or instructor approval

This class is an opportunity for students to hone their video production skills while producing broadcast quality publishable

content. Specifically, students will learn to produce sports programs — live sporting events and televised sports programs — which will potentially air on the school’s website, morning show, or stream live on the Internet. In addition, students will learn the techniques and tools sports writers use for creating

content to be aired on television, podcasts, and social media. Analysis of sports programming and documentary-style filmmaking will help guide students in their creativity and production skills. This course does require extracurricular participation. This course has a required materials fee.

LEADERSHIP

980 ASB LEADERSHIP

Course Length: Year

Grade Level: 9-12

A-G Designation: “G” – College-preparatory Elective

Prerequisite: Approval of Activities Director

Advanced Leadership is a project-based course aimed at increasing students' leadership capabilities. Through the

planning and execution of numerous events for the school, students will discover how to best effect change in their communities. Students will read extensively about the nature of leadership and its different styles. Additionally, students will frequently write- critically, reflectively, persuasively- and speak about the real-world issues that arise from the planning of events. They will incorporate their knowledge of budgets, timelines and communication to plan and evaluate school-wide and community events.

CENTER FOR LEARNING

1025 MAPS - MONARCH ACADEMIC PROGRAM FOR SUCCESS

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: Enrollment in the MAPS program and approval of Executive Director of Learning Services

MAPS is a fee-based, graded course for students with documented learning and attention differences. The small group setting is held in the Learning Center, with a focus on improvement of executive functioning skills, use of approved accommodations, and learning how to learn. **This is not a UC or CSU approved course. NOTE: This class is limited to four or five blocks of 12 students each (6 students per teacher).**

1101 BRIDGE

Course Length: Semester

Grade Level: 9-12

A-G Designation: None

Prerequisites: None

Learning Skills is designed for students who want to improve study skills, organization, and critical thinking. Students may choose to enroll in this course or may be placed in it at the recommendation of their school counselor. Learning Skills is not part of the MAPS, and no documentation is required. **NOTE: This course is not UC or CSU approved and is limited to two blocks of 15 students each.**

***One time materials fee of \$15**

***In addition to the 15 students, 5 spots may be left open for students who need to join mid-year based on school performance.**

1104 SOAR – STUDENT OUTREACH AND RESILIENCY

Course Length: Semester

Grade Level: 9-12

A-G Designation: None

Prerequisites: Approval of Executive Director of Learning Services

SOAR is a class for students with high- functioning autism spectrum disorder, chronic/acute medical conditions (including concussions), and psychiatric conditions (e.g., anxiety, depression, trauma/PTSD) who may benefit from additional behavioral, academic, and emotional support. **NOTE: This course is not UC and CSU approved and is taken for credit only and is one block with a total of 12 students**

1103 LEARNING SUPPORT PEER MENTOR

Course Length: Semester

Grade Level: 9-12

A-G Designation: None

Prerequisites: Must meet academic criteria and complete interview

The Learning Support Peer Mentor program allows selected juniors and seniors an opportunity to tutor Mater Dei students during their support classes (Learning Skills, SOAR, MAPS), assist

teachers with lessons, and/or provide one-on-one mentoring to students with special needs (Options program).

O291 OPTIONS RED

Course Length: Year
Grade Level: 9-12
A-G Designation: None
Prerequisites: Approval of Executive Director of Learning Services

Options Red is a Language Arts class designed for students with congenital intellectual differences who are earning a certificate of completion. The small group setting is organized by a Mater Dei teacher and supported with one-on-one assistance from Learning Support Peer Mentors. Options Red designs individualized Language Arts curriculum for each student through the use of current testing scores and previous level of academic work, with a goal of developing the student's comprehension and capacity for use of written and oral language.

O491 OPTIONS GRAY

Course Length: Year
Grade Level: 9-12
A-G Designation: None
Prerequisites: Approval of Executive Director of Learning Services

Options Gray is a mathematics course designed for students with congenital intellectual differences who are earning a certificate of completion. The small group setting is organized by a Mater Dei teacher and supported with one-on-one assistance from Learning Support Peer Mentors. Options Gray provides individualized mathematical instruction for each student, with a goal of strengthening real-world, applicable mathematical skills that will be used in daily life.

DIRECTED STUDIES

The Directed Studies program provides students the opportunity to take career-specific and elective courses online. These courses are self-guided and require students to have independent discipline and may require them to work through school issued breaks. Students may take one (1) Directed Studies course per semester. If students are interested in taking more than one (1) course per semester, Assistant Principal approval is required.

Directed Studies courses cannot be used to fulfill Mater Dei Graduation requirements. If students take a Directed Studies course as part of their Mater Dei schedule, credit will be earned and recorded on the Mater Dei transcript. The letter grade earned will be included in the note section on the Mater Dei transcript and will not be calculated in the Mater Dei GPA. The class will reflect in the body of their Mater Dei transcript as Directed Studies for Credit or No Credit. If students take a Directed Studies course outside of their Mater Dei schedule, the course will be listed in the notes section of the transcript and will not be included in their Mater Dei GPA.

Most courses offered are university approved. Some courses are NCAA approved. **Directed Studies courses require an additional fee per semester.** Fees: \$500 per course per semester; for Advanced Placement courses, \$550 per semester per course.

If students are interested in taking a Directed Studies course, they should contact their counselors. If students have further questions, please contact the Directed Studies Coordinator.

Please note the following class enrollment and payment dates for the Directed Studies Program:

Fall/Spring Semesters

- Enrollment Begins:* First Day of Semester
- Enrollment Ends:* End of first Month of the Semester
- Payment Due:* End of First Week of Semester (Payment is required before enrollment in course)
- Courses Begin:* Second Week of Semester
- Drop Date:* End of first Month of the Semester (If student demonstrates no progress in course work, he/she must drop the course by this date)
- End Date:* Last Day of Semester Exams

1050 DIRECTED STUDIES

- Course Length:** Year (2 Semesters - 1 course per semester)
- Grade Level:** 11-12
- A-G Designation:** Course Specific
- NCAA Approval:** Course Specific
- Prerequisites:** Approval of School Counselor and Directed Studies Coordinator

Please see the [Edmentum Course Catalog](#) for a list of available classes and their descriptions. Please note: NCAA approval and UC A-G/college approval depends on specific courses. You can

also see the classes offered [here](#). Please select “California” and “secondary” options when searching for classes.

The athletics courses are not UC or CSU approved courses.

912 ATHLETIC TRAINING

Course Length: Year

Grade Level: 10-12

A-G Designation: None

Prerequisites: Approval of Athletic Trainer

This is an entry level course in basic care and prevention of athletic injuries. The students will have hands-on practical experience in taping and the rehabilitation and treatment of sports injuries while working with both boys' and girls' athletics. This course is designed for the student who is interested in athletic training, sports medicine, or physical therapy as a career. **NOTE: This class meets during last period only, and it requires after school and weekend work to cover games and practices. This course is for credit only, no letter grade is given.**

924 BASEBALL

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

914 BASKETBALL (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

985 SENIOR GIRLS' BASKETBALL

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

923 BASKETBALL (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

984 SENIOR BASKETBALL (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

931 BOYS' BASKETBALL ASSISTANT

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Student is required to attend all practices and games. Student will travel with the Basketball team. **This course is for credit only, no letter grade is given.**

911 PEP SQUAD: CHEER

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: Audition in Spring, minimum 2.0 GPA, and approval of Instructor.

During this period, the pep squad either practices for games and competitions. **NOTE:** This class meets during a school block and after school. **This is not a UC or CSU approved course.**

1002 CROSS COUNTRY AND TRACK

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

919 FOOTBALL

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

927 SENIOR FOOTBALL

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

978 GOLF (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

977 GOLF (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

979 LACROSSE (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

1006 LACROSSE (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

918 SOCCER (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

913 SOCCER (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

916 SOFTBALL

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

986 TENNIS (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

987 TENNIS (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

973 VOLLEYBALL (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

983 SENIOR GIRLS' VOLLEYBALL

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

976 VOLLEYBALL (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

975 WATER POLO (GIRLS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

981 SENIOR GIRLS' WATER POLO

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for senior students on the JV and Varsity teams.

974 WATER POLO (BOYS')

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

982 SENIOR BOYS' WATER POLO

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

917 WRESTLING

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

1060 SWIMMING

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

919S Football Strength and Conditioning

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: Football Team participant

Strength and conditioning for football is designed to develop fundamental skills and techniques designed for football competition. Work-outs and drills are held on the athletic fields and fitness facilities. Course may only be taken if you are on football team.

1052 SURF (COED)

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Approval of Head Coach

Course for invited student athletes in the respective program

1096 ESPORTS

Course Length: Yearlong

Grade Level: 9-12

A-G Designation: None

Prerequisites: Approval of Teacher

A course that functions as a co-requisite of all esports athletes at Mater Dei High Schools. Course topics include gaming and nutrition, esports media and journalism, team building and leadership, sportsmanship and emotion control, community building, digital ethics, and advanced game mechanics.

1200 FLEX BLOCK

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisite: Assigned by Counselor only

The Flex Block is issued for students by counselor only, when needed for their schedules' structure. Students work independently during this time. It is not a course. Students may choose to work independently during this time and do not report to a designated area or teacher. **No credit given.**

908 ATHLETICS INTERN

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Athletic Director

Credit only, no letter grade given. Students work under the direction of the Athletic Director and must be a member of the ASB Athletic Commission.

934 OFFICE AIDE: DEANS

Course Length: Year

Grade Level: 11-12

A-G Designation: None

Prerequisite: Approval of Athletic Deans

Credit only, no letter grade given for all office aide courses. Student aides will assist the Deans and Attendance Office in retrieving students with call slips. Expectations are to be professional role models of the office. Students must maintain confidentiality while working in the Deans Office.

940 OFFICE AIDE: ADVANCEMENT

Course Length: Year

Grade Level: 10-12

A-G Designation: None

Prerequisite: Approval of VP of Advancement

Credit only, no letter grade given for all office aide courses. Students work under the direction of the VP of Advancement.

971 CAMPUS STORE AIDE

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Campus Store Manager

Credit only, no letter grade given for all office aide courses. NOTE: Office Aide – Campus Store is limited to 6 students. Students work under the direction of the Campus Store Manager.

1019 TECH/LIBRARY INTERN

Course Length: Year

Grade Level: 12

A-G Designation: None

Prerequisite: Approval of Librarian

Credit only, no letter grade given for all office aide courses. NOTE: Class is limited to 14 students per year. Students will be trained in various library and technology procedures including book shelving, basic iPad and technology troubleshooting, check-in and check-out digital systems, etc.

1105 AVIATION I

Course Length: Year

Grade Level: 9-12

A-G Designation: None

Prerequisites: None

Mater Dei's Aviation I class utilizes the high school curriculum of the largest aircraft nonprofit in the world, the Aircraft Owners and Pilots Association. This course will provide an introduction to flying, the history of aviation, aerospace engineering, unmanned aircraft systems and other recent updates in the industry. It will also dive into the subsectors of aviation in terms of innovation, real-world challenges, economics, and career opportunities.

1106 ACTIVITIES COMMISSIONER: ACTIVITIES DEPARTMENT INTERN

Course Length: Year

Grade Level: 10, 11, 12

A-G Designation: None

Prerequisites: Cumulative GPA of 3.0. Must have applied and been accepted as an Activities Commissioner. Approval from the Activities Director

This course gives an opportunity for students interested in working with the Activities Office to assist in planning and executing events for the school year. Activities may include:

1. Assist with all Back-to-School Orientations
2. Assist Associate Activities Director with ASB & Class Competition Points
3. Maintain Class Competition chart for posting on MD webpage, social media, and on Activities Office video board
4. Responsible to assign ASB students to take pictures at events
5. Post pictures from Activities events to MD webpage and ASB photo archive
6. Partner with Rally Commissioners to plan and host school lunchtime activities
7. Assist with social media posts for MDASB Student Activities Program

8. Partners with the Campus Relations Commissioners to organize monthly “Breakfast Club” forums
9. Assist the Activities Director and Associate Activities Directors with projects and assignments as given
10. Attend planning day & work Freshman Day of Welcome in August (2 Days)
11. Meet the minimum required ASB points
12. Participate in all mandatory ASB activities next year

A contract outlining course requirements and expectations will be signed by the student and parent at the beginning of the school year.

988 ATHLETIC EQUIPMENT ASSISTANT

Course Length: Year

Grade Level: 10-12

A-G Designation: None

Prerequisites: Approval of Equipment Manager

This is an entry level course in management and control of all athletic equipment necessities. The students will have hands-on experience on the organizational and distribution of all 29 different sporting teams on campus. This course is designed for those students who are interested in athletics and the equipment used in these sports; utilizing this class to direct them towards a career in Equipment Management post-high school. **NOTE: This class meets during the first block.**



MATER DEI HIGH SCHOOL

1202 W Edinger Ave
Santa Ana, CA 92707

www.materdei.org

Phone: (714) 754-7711 | Fax: (714) 754-1880