



**DE SMET JESUIT**

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**ACADEMIC CURRICULUM GUIDE**

**2020–2021**

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# TABLE OF CONTENTS

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Graduation Requirements.....	2
Curriculum and Study Hall Guidelines .....	5
Options for College Credit Courses.....	5
SLU 1818 ACC, UMSL ACP, & AP College Credit Courses.....	7
Course Offerings 2020–2021 .....	8
Course Descriptions .....	12
English Department.....	12
Fine Arts Department.....	18
Mathematics Department .....	24
Physical Education and Health Department.....	30
Science Department.....	32
Social Studies Department.....	37
Theology Department .....	42
World Languages Department.....	46
Magis Institute for Inquiry and Innovation .....	51
Summer Course Offerings.....	55

# GRADUATION REQUIREMENTS

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## 4 CREDITS OF ENGLISH LANGUAGE ARTS

required	1 credit	English 1 or Honors English 1 (Fr)
required	1 credit	English 2 or Honors English 2 (So)
required	1 credit	English 3 or AP/ACC Honors English 3: Language & Composition (Jr)
required	1 credit	AP/ACC Honors English 4: Literature* (Sr) or two English 4 classes
meets requirement	½ credit	English 4:ACC Irish Literature (Sr)*
meets requirement	½ credit	English 4:ACP Best Novels (Sr)*
meets requirement	½ credit	English 4:American Family Dynamics (Sr)*
meets requirement	½ credit	English 4: Literary Analysis of American Film (Sr)*
meets requirement	½ credit	English 4: Literature and Sport (Sr)*
meets requirement	½ credit	English 4: Reading and Writing Fiction (Sr)
meets requirement	½ credit	English 4: Superheroes–New American Myth and Archetype (Sr)*
meets requirement	½ credit	English 4: Literature of Initiation (Sr)*
elective	½ credit	Introduction to Media (Fr)
elective	1 credit	Digital Media/Digital Storytelling (So, Jr, Sr)
elective	1 credit	Yearbook (So, Jr, Sr)
elective	½ credit	Introductory News Writing (So, Jr)
elective	1 credit	News Writing (Jr, Sr)

\*Taking two ½ credit English 4 classes meets the requirement for the fourth credit of English Language Arts.

## 1 CREDIT OF FINE ARTS

meets requirement	½ credit	Exploring Studio Art 1 (Fr)
meets requirement	½ credit	Introduction to Sculpture (So, Jr, Sr)
meets requirement	1 credit	Studio Art 2 (So)
meets requirement	1 credit	Studio Art 3 (Jr)
meets requirement	1 credit	Studio Art 4 (Sr)
meets requirement	½ credit	Digital Graphic Design (Jr, Sr)
meets requirement	1 credit	Beginning Instrumental Music (Fr, So)
meets requirement	1 credit	Concert Band (Fr, So, Jr, Sr)
meets requirement	½ credit	Concert Jazz Band (Fr, So, Jr, Sr)
meets requirement	1 credit	Jazz Lab Band (Fr, So, Jr)
meets requirement	1 credit	Instrumental Jazz Combo (So, Jr, Sr)
meets requirement	1 credit	Honors Instrumental Jazz Combo (Jr, Sr)
meets requirement	1 credit	De Smet Chorus (Fr)
meets requirement	1 credit	De Smet Chorus (So)
meets requirement	1 credit	Advanced Chorus (So, Jr, Sr)
meets requirement	½ credit	Music Appreciation (Jr, Sr)
meets requirement	1 credit	Music Production (Jr, Sr)
meets requirement	½ credit	Acting & Improvisational Theater 1 (Fr)
meets requirement	½ credit	Advanced Acting/Directing (So, Jr, Sr)
meets requirement	½ credit	ACC Film Appreciation (Jr, Sr)
meets requirement	½ credit	Public Speaking (Jr, Sr)

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## 4 CREDITS OF MATHEMATICS

required	1 credit	Algebra 1, Honors Algebra 1, or Honors Algebra 2/Trigonometry (Fr)
required	1 credit	Geometry or Honors Geometry (So)
required	1 credit	Algebra 2/Trigonometry, Honors Algebra 2/Trigonometry, or Honors Pre-Calculus (Jr)
required	1 credit	Pre-Calculus, Calculus, AP/ACC Honors Calculus, College Algebra & Statistics, Statistics, or AP Honors Statistics (Sr)

## 1/2 CREDIT OF COMPUTER SCIENCE

*(course descriptions listed in mathematics department)*

required	½ credit	Introduction to Computer/Study Skills (Fr) or
required	½ credit	Honors Computational Thinking and Programming (Fr)
elective	½ credit	ACP Computer Applications (Sr)
elective	½ credit	Web Page Design (Jr, Sr)
elective	1 credit	AP Introduction to Computer Science (Jr, Sr)

## 1 CREDIT OF PHYSICAL EDUCATION & HEALTH

meets requirement	½ credit	Physical Education & Health I (Fr) or
meets requirement	½ credit	Beginning Weight Training & Health I (Fr)
meets requirement	½ credit	Physical Education 2 (So)
meets requirement	½ credit	Intermediate Weight Training (So, Jr, Sr)
meets requirement	½ credit	Independent Mentored Self-Designed Fitness (Sr)
meets requirement	½ credit	Lifetime Activities (Jr, Sr)
meets requirement	½ credit	Advanced Weight Training (Jr, Sr)

## 3 CREDITS OF SCIENCE

required	1 credit	Biology or Honors Biology (Fr)
required	1 credit	Chemistry or Honors Chemistry (So)
required	1 credit	Conceptual Physics, Physics, or AP Honors Physics I (Jr)
elective	1 credit	ACC Honors Forensic Science (Sr)
elective	1 credit	AP/ACC Honors Biology (Sr)
elective	1 credit	AP Honors Chemistry (Sr)
elective	1 credit	AP Honors Environmental Science (Sr)
elective	1 credit	AP Honors Physics C Mechanics (Sr)
elective	1 credit	Anatomy & Physiology (Sr)
elective	½ credit	Digital Electronics (Sr)
elective	½ credit	Introduction to Competition Robotics (Fr, So, Jr, Sr)
elective	½ credit	Introduction to Robotics Systems (Jr, Sr)
elective	½ credit	Advanced Robotics (Jr, Sr)
elective	½ credit	3D Design and 3D Printing (Jr, Sr)

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### 3 CREDITS OF SOCIAL STUDIES

required	1 credit	World Studies or AP Honors World Studies (So)
required	½ credit	Foundations of American Society (fall semester) (Jr) and
required	½ credit	America Comes of Age (spring semester) (Jr) and
required	½ credit	Modern American Society (Sr) and 1/2 credit of “meets requirement” below or
required	1 credit	AP/ACC Honors American History (Jr) and 1 credit of “meets requirements” below
meets requirement	½ credit	ACC Honors Modern European History (Sr)
meets requirement	½ credit	ACC Honors International Studies (Sr)
meets requirement	½ credit	Psychology (Jr or Sr)
meets requirement	1 credit	AP/ACP Honors Psychology (Sr)
meets requirement	½ credit	Economics (Jr, Sr)
meets requirement	1 credit	AP/ACC Honors Government Studies (Sr)
elective	½ credit	ACP Introduction to Business (Jr, Sr)
elective	½ credit	Business 2: Ignatian Business Leaders (Sr)
elective	½ credit	Personal Finance (Jr, Sr)

### 5 CREDITS OF THEOLOGY & SERVICE PROJECTS

required	½ credit	Catholicism & The Jesuits (Fr)
required	½ credit	Sacraments & Scripture (Fr)
required	½ credit	Scripture (So)
required	½ credit	Morality (So)
required	½ credit	Ecclesiology (Jr)
required	½ credit	Catholic Social Teaching (Jr)
required	½ credit	Contemporary Discipleship (Sr)
required	½ credit	Christ & Faith (Sr)
meets requirement	½ credit	Ignatian Vision (Sr) (may replace Christ & Faith)
meets requirement	½ credit	ACC World Religions (Sr) (may replace Christ & Faith)
required	¼ credit	Junior Service Project (Jr)
required	¼ credit	Senior Service Project (Sr)
required	½ credit	The Insignis Capstone Reflection (Sr)

### 2 CREDITS OF WORLD LANGUAGES

required	1 credit	Chinese 1, Latin 1, or Spanish 1
required	1 credit	ACP Chinese 2, Latin 2, or Spanish 2
elective	1 credit	Spanish 3, Spanish 4
elective	1 credit	ACP Honors Chinese 3, ACC Honors Latin 3, ACC Honors Spanish 3
elective	1 credit	ACP Honors Chinese 4, ACC Honors Latin 4, ACC Honors Spanish 4
elective	1 credit	AP Honors Spanish 5

In order to fulfill De Smet Jesuit High School’s graduation requirements, a student must earn 27 academic credits plus complete service projects and an Insignis project equaling 1 credit.

## CURRICULUM AND STUDY HALL GUIDELINES

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In our modified block schedule, students typically take seven classes and one study hall each semester. Students cannot take less than one study hall and cannot take more than two study halls in a semester.

De Smet Jesuit High School requires a total of 27 academic credits for graduation. If a student takes seven classes each semester they would have a total of 28 credits, so students have the option of taking two additional study halls at any time during their 8 semesters of high school. Students that take summer courses can earn academic credits and choose to have additional study halls during the school year. Students cannot exceed two study halls in any semester.

## OPTIONS FOR COLLEGE CREDIT COURSES

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College credit courses offered to De Smet Jesuit High School students are designed to challenge students to accelerate their learning and to complement their solid, academic repertoire. Such courses can have value for students who will be attending colleges or universities where they are accepted. Students can earn college credit at De Smet Jesuit High School in three ways: (a) through Saint Louis University-sponsored classes at De Smet Jesuit (known as the 1818 Advanced College Credit Program), (b) through UMSL's Advanced Credit Program (ACP) courses at De Smet Jesuit, or (c) through Advanced Placement courses and exams approved by the College Board and administered at De Smet Jesuit.

### **Saint Louis University 1818 Advanced College Credit (ACC) Program**

De Smet Jesuit High School offers students the opportunity to earn college credit through Saint Louis University's 1818 Advanced College Credit Program. Students at De Smet Jesuit earn college credits by taking courses at De Smet Jesuit that are approved for college credit by Saint Louis University. As a result, credits earned by De Smet Jesuit students who take such classes are accepted at many colleges and universities. Saint Louis University provides more information about these colleges and universities at the following link: <http://www.slu.edu/1818-advanced-college-credit-program/about-us/transferability-report>.

De Smet Jesuit offers students the following courses, which are part of Saint Louis University's 1818 Advanced College Credit Program: American Government, American History, Biology, Calculus, English 3 and 4, Irish Literature, Film Appreciation, Latin 3 and 4, Spanish 3 and 4, Forensic Science, World Religions, Modern European History, and International Studies. Students register for the 1818 Advanced College Credit Program in August and in January. Registration takes place at De Smet Jesuit with guidance from our faculty and administration. Because colleges and universities have semester courses that students register with SLU for each semester, our students who take year-long courses in a given subject must register each semester as if they were taking two separate courses. All 1818 ACC classes are taught at De Smet Jesuit by De Smet Jesuit faculty members who serve as university adjunct instructors. Students who register for 1818 ACC classes are entitled to access and use of the libraries of Saint Louis University.

Through this program, a student may take a maximum of three 1818 classes per semester, and he must have an unweighted GPA of 2.5 for seniors or 3.0 for sophomores and juniors to register. There is a fee of \$65 per credit hour (most courses are 3 credit hours) for a total of \$195 per course each semester.

Billing is done through Saint Louis University directly to the student. Finally, Saint Louis University allows up to 30 credit hours of 1818, essentially the equivalent of five year-long high school courses, and the equivalent of a full year of college. Saint Louis University provides more information about their 1818 Advanced College Credit Program at this link: <https://www.slu.edu/1818/index.php>.

### **University of Missouri-St. Louis (UMSL) Advanced Credit Program (ACP)**

De Smet Jesuit High School also offers students the opportunity to earn college credit through UMSL's Advanced Credit Program (ACP). Students at De Smet Jesuit earn college credits by taking courses at De Smet Jesuit that are approved for college credit through UMSL. Credits earned by De Smet Jesuit students who take such classes are accepted at many colleges and universities.

De Smet Jesuit offers students the following courses, which are part of UMSL's Advanced Credit Program: ACP Chinese 2, ACP Honors Chinese 3, ACP Honors Chinese 4, AP/ACP Honors Psychology, ACP Best Novels, ACP Introduction to Business, and ACP Computer Applications. Students register for the ACP in August and in January. Registration takes place at De Smet Jesuit with guidance from our faculty and administration. All ACP classes are taught at De Smet Jesuit by De Smet Jesuit faculty members who serve as university adjunct instructors. Students who register for ACP classes are entitled to access and use of the libraries of UMSL.

Through this program, a student may take a maximum of three classes per semester, and he must have an unweighted GPA of 2.5 for seniors or 3.0 for sophomores and juniors to register. There is a fee of \$66 per credit hour (most courses are 3 credit hours) for a total of \$198 per course. Billing is done through UMSL directly to the student. UMSL provides more information about their Advanced Credit Program at this link: <http://www.ums.edu/continuinged/acp/>.

### **Advanced Placement (AP) Program**

De Smet Jesuit High School offers students the opportunity to earn college credit through Advanced Placement, offered through the College Board. Advanced Placement college credit is obtained after students take a De Smet Jesuit AP course and pass a national AP exam, given in May of each year. Scores of 3, 4, or 5 are recognized at most colleges and universities, which means students who score a 3, 4, or 5 can earn college credit; however, the values of scoring on the AP tests vary from university to university. De Smet Jesuit High School offers AP courses in English Language and Literature, Statistics, Biology, Chemistry, Physics I, Physics C Mechanics, World History, American Government, Psychology, Computer Science, Calculus AB, Spanish 5: Language and Culture, and US History. Primarily, juniors and seniors take AP courses and exams, but sophomores may take our AP World History course and the national AP exam in World History. There is an \$94 fee for each exam. The College Board provides more information about the Advanced Placement program at this link: <http://apcentral.collegeboard.com/apc/Controller.jspf>.

# SLU 1818 ACC, UMSL ACP, & AP COLLEGE CREDIT COURSES

Class	SLU 1818 ACC	UMSL ACP	AP	Comments
<b>English</b>				
ACC Irish Literature	X			
ACP Best Novels		X		
AP/ACC Honors English 3: Language	X		X	AP exam required
AP/ACC Honors English 4: Literature	X		X	AP exam optional
<b>Fine Arts</b>				
ACC Film Appreciation	I Semester			
<b>World Languages</b>				
ACP Chinese 2		X		
ACP Honors Chinese 3		X		
ACP Honors Chinese 4		X		
ACC Honors Latin 3	2 <sup>nd</sup> Semester			
ACC Honors Latin 4	X			AP exam optional
ACC Honors Spanish 3	2 <sup>nd</sup> Semester			
ACC Honors Spanish 4	X			
AP Honors Spanish 5: Language and Culture			X	
<b>Mathematics</b>				
ACP Computer Applications		X		
AP/ACC Honors Calculus	X		X	AP exam optional
AP Introduction to Computer Science			X	AP exam optional
AP Statistics			X	AP exam optional
<b>Science</b>				
ACC Honors Forensics	X			
AP/ACC Honors Biology	X		X	AP exam optional
AP Honors Chemistry			X	AP exam optional
AP Environmental Science			X	AP exam optional
AP Honors Physics I			X	AP exam optional
AP Honors Physics C Mechanics			X	AP exam optional
<b>Social Studies</b>				
ACC Honors American History	X			
ACC Honors International Studies	X			
ACC Honors Modern European History	X			AP exam optional
AP/ACC Honors Government Studies	X		X	AP exam required
AP/ACP Honors Psychology		X	X	AP exam optional
AP Honors American (US) History	X		X	AP exam required
AP Honors World History			X	AP exam required
ACP Introduction to Business		X		
<b>Theology</b>				
ACC World Religions	I Semester			



# COURSE OFFERINGS

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## FRESHMAN REQUIRED COURSES

(#) Indicates number of semesters,  
1 semester = ½ credit, 2 semesters = 1 credit

English I (2) or  
Honors English I (2)  
Algebra I (2) or  
Honors Algebra I (2) or  
Honors Algebra 2 & Trigonometry (2)  
Introduction to Computer/Study Skills (1) or  
Honors Computational Thinking & Programming (1)  
Physical Education & Health I (1) or  
Beginning Weight Training & Health I (1)  
Biology (2) or  
Honors Biology (2)  
Study Hall (2)  
Catholicism & The Jesuits (1)  
Sacraments & Scripture (1)  
World Language I (2) or  
World Language 2 (2)

## FRESHMAN ELECTIVE COURSES

(Freshmen must choose one of the following courses.)

Introduction to Media (1)  
Introductory Newswriting (1)  
Exploring Studio Art (1)  
Beginning Instrumental Music (2)  
Concert Band (2)  
Jazz Lab Band (2)  
De Smet Chorus (2)  
Acting & Improvisational Theater I (1)

*The following courses are held after school and are extra courses.*

Concert Jazz Band (2)  
Introduction to Competition Robotics (2)

## SOPHOMORE REQUIRED COURSES

(#) Indicates number of semesters,  
1 semester = ½ credit, 2 semesters = 1 credit

English 2 (2) or  
Honors English 2 (2)  
Geometry (2) or  
Honors Geometry (2) or  
Physical Education 2 (1) \*\* or  
Intermediate Weight Training (1)  
Chemistry (2) or  
Honors Chemistry (2)  
World Studies (2) or  
AP Honors World Studies (2)\*  
Study Hall (2)  
Scripture (1)  
Morality (1)  
World Language 2 (2) or  
World Language 3 (2) or  
ACC/ACP Honors Foreign Language 3 (2)\*

## SOPHOMORE ELECTIVE COURSES

\*\* (Sophomores may fulfill their second required credit of physical education as a junior or senior if they choose to take a full year of electives from the following list during their sophomore year.)

Digital Media/Digital Storytelling (2)  
Introductory News Writing (1)  
Yearbook (2)  
Studio Art 2 (2)  
Introduction to Sculpture (1)  
Beginning Instrumental Music (2)  
Concert Band (2)  
Jazz Lab Band (2)  
Instrumental Jazz Combo (2)  
De Smet Chorus (2)  
Advanced Chorus (2)  
Advanced Acting/Directing (1)

*The following courses are held before or after school and are extra courses.*

Concert Jazz Band (2)  
Introduction to Competition Robotics (2)

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## JUNIOR REQUIRED COURSES

(#) Indicates number of semesters,  
1 semester = ½ credit, 2 semesters = 1 credit

English 3 (2) or  
AP/ACC Honors English 3: Language & Composition (2)\*  
Algebra 2/Trigonometry (2) or  
Honors Algebra 2/Trigonometry (2) or  
Honors Pre-Calculus (2)  
Conceptual Physics (2) or  
Physics (2) or  
AP Honors Physics I (2)\*  
Foundations of American Society (1) and  
America Comes of Age (1) or  
AP Honors American History (2)\* or  
ACC Honors American History (2)\*  
Study Hall (2)  
Ecclesiology (1)  
Catholic Social Teaching (1)  
Junior Service Project (2)

## JUNIOR ELECTIVE COURSES

Digital Media/Digital Storytelling (2)  
Introductory News Writing (1)  
News Writing (2)  
Yearbook (2)  
Introduction to Sculpture (1)  
Studio Art 3 (2)  
Digital Graphic Design (1)  
Concert Band (2)  
Jazz Lab Band (2)  
Instrumental Jazz Combo One (2)  
Honors Instrumental Jazz Combo (2)  
Advanced Chorus (2)  
Music Appreciation (1)  
Music Production (2)  
ACC Film Appreciation (1)\*  
Advanced Acting/Directing (1)  
Public Speaking (1)

AP Honors Introduction to Computer Science (2)\*

Web Page Design (1)

Intermediate Weight Training (1)  
Lifetime Activities (1)  
Advanced Weight Training (1)  
Introduction to Robotics Systems (1)  
Advanced Robotics (1)  
Introduction to Design Thinking (1)  
3D Design and 3D Printing (1)  
ACP Introduction to Business (1)\*  
Economics (1)  
Personal Finance (1)  
Psychology (1)  
Study Hall (1)  
ACP Honors Chinese 3 (2)\*  
ACC Honors Latin 3 (2)\*  
ACC Honors Latin 4 (2)\*  
Spanish 3 (2)  
Spanish 4 (2)  
ACC Honors Spanish 3 (2)\*  
ACC Honors Spanish 4 (2)\*  
Magis Institute Mentored Study Path Option (1 or 2)  
Magis Institute Online Course Option (1 or 2)

*The following courses are held before or after school and are extra courses.*

Concert Jazz Band (2)  
Introduction to Competition Robotics (2)

*\*Indicates courses that are offered for college credit as either AP, 1818 ACC, or ACP.*

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## SENIOR REQUIRED COURSES

(#) Indicates number of semesters,  
1 semester = ½ credit, 2 semesters = 1 credit

AP/ACC Honors English 4: Literature (2)\* or  
two of the following:

English 4:ACC Irish Literature\* (1)  
English 4:ACP Best Novels\* (1)  
English 4:American Family Dynamics (1)  
English 4: Literary Analysis of American Storytelling (1)  
English 4: Literature and Sport (1)  
English 4: Reading and Writing Fiction (1)  
English 4: Superheroes—New American Myth &  
Archetype (1)  
English 4: Literature of Initiation (1)

Pre-Calculus (2) or  
Calculus (2) or  
AP/ACC Honors Calculus (2)\* or  
College Algebra & Statistics (2) or  
Statistics (2) or  
AP Honors Statistics (2)\*

Modern American Society (1)

Study Hall (2)

Contemporary Discipleship (1) and  
Christ & Faith (1) or  
Ignatian Vision (1) or  
ACC World Religions(1)\*

Senior Service Project  
The Insignis Capstone Reflection

## SENIOR ELECTIVE COURSES

English 4:ACC Irish Literature (1)\*  
English 4:ACP Best Novels (1)\*  
English 4:American Family Dynamics (1)  
English 4: Literary Analysis of American Storytelling (1)  
English 4: Literature and Sport (1)  
English 4: Reading and Writing Fiction (1)  
English 4: Superheroes—New American Myth &  
Archetype (1)  
English 4: Literature of Initiation (1)  
Introduction to Media (1)  
Digital Media/Digital Storytelling (2)  
News Writing (2)  
Yearbook (2)

Studio Art 4 (2)  
Introduction to Sculpture (1)  
Digital Graphic Design (1)  
Concert Band (2)  
Instrumental Jazz Combo (2)  
Honors Instrumental Jazz Combo (2)  
Advanced Chorus (2)  
Music Appreciation (1)  
Music Production (2)  
ACC Film Appreciation (1)\*  
Advanced Acting/Directing (1)  
Public Speaking (1)

ACP Computer Applications (1)\*  
AP Introduction to Computer Science (2)\*  
Web Page Design (1)

Intermediate Weight Training (1)  
Lifetime Activities (1)  
Advanced Weight Training (1)

ACC Honors Forensic Science (2)\*  
AP/ACC Honors Biology (2)\*  
AP Honors Chemistry (2)\*  
AP Honors Environmental Science (2)\*  
AP Honors Physics C Mechanics (2)\*  
Anatomy & Physiology (2)  
Digital Electronics (1)  
Introduction to Robotics Systems (1)  
Advanced Robotics (1)  
Introduction to Design Thinking (1)  
3D Design and 3D Printing (1)

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ACC Honors Modern European History\* (1)

AP/ACC Honors American Government\* (1)

AP/ACC Honors Government Studies (2)\*

ACC Honors International Studies (1)\*

Psychology (1)

AP/ACP Honors Psychology (2)\*

Economics (1)

ACP Introduction to Business (1)\*

Business 2: Ignatian Business Leaders (1)

Personal Finance (1)

Study Hall (1)

ACP Honors Chinese 4 (2)\*

ACC Honors Latin 4 (2)\*

Spanish 4 (2)

ACC Honors Spanish 4 (2)\*

AP Honors Spanish 5 (2)\*

Magis Institute Mentored Study Path Option (1 or 2)

Magis Institute Online Course Option (1 or 2)

*The following courses are held before or after school and are extra courses.*

Concert Jazz Band (2)

Introduction to Competition Robotics (2)

Independent Mentored Self-Designed Fitness (1)

*\*Indicates courses that are offered for college credit as either AP, 1818 ACC, or ACP.*

## COURSE DESCRIPTIONS

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# English Department

### **ENGLISH I (20311)**

**Meets requirement | freshman | one credit | full year**

This course focuses on an introduction to various genres of literature including novels, drama, poetry, short stories, and essays. Students study the three interwoven areas of grammar, composition, and literature. Students use numerous, varied texts to provide the literary genres that become springboards for their compositions as well as provide vocabulary words, which they can incorporate into their own writing. The first semester is more heavily weighted toward mastery of basic English grammar, while the second semester is geared more toward literature and composition. The English Department now uses the online resource NoRedInk to reinforce grammar skills as the department remains dedicated to teaching students to use proper punctuation and to develop strong syntax at both the sentence and paragraph level. The composition curriculum prepares students by year's end to write a logical, analytical, and well organized five-paragraph essay.

### **HONORS ENGLISH I (20331)**

**Meets requirement, by invitation | freshman | one credit | full year**

This freshman English course aims at growth in three areas: grammar, composition, and literature. The students study grammar for a better understanding of basic syntax and sentence structure. Students develop their composition skills by writing unified, coherent paragraphs and longer essays by practicing various methods of sentence and paragraph development. In addition, students read various works of fiction that explore basic literary elements such as plot, character development, point of view, and theme. They also work at building active vocabulary using numerous words selected from the context of the readings.

### **ENGLISH 2 (20512)**

**Meets requirement | sophomore | one credit | full year**

*Prerequisite: English I*

Sophomore English requires students to master the grammatical principles introduced during their freshman year and to practice and refine the fundamentals of prose writing through a logically structured, multi-paragraph essay. Clarity and accuracy of written expression are emphasized, as is vocabulary development. The students also deal with literature on a deeper and more sophisticated level: they learn to define literary types, identify figures of speech, and understand characterization and theme. Students are expected to respond intelligently—in both verbal and written form—in works ranging from Shakespeare to twenty-first century novelists. Students write to develop their individual voices and techniques. A strong emphasis is placed on logical, structured writing within the multi-paragraph essay.

## **HONORS ENGLISH 2 (20532)**

**Meets requirement, by invitation | sophomore | one credit | full year**

*Prerequisite: students must earn a B or higher in Honors English I*

Sophomore Honors English provides students with an introduction to four major literary forms—short stories, the novel, drama, and poetry—and uses these works to assist students in their reflection on the existential question, “What is the meaning of life?” Students will explore the way authors from a variety of historical periods and nations have responded to this question, considering notions of money, power, family, friendship, love, honor, justice, and faith. The course emphasizes literary analysis and critical thinking through close reading, class discussion, and frequent writing assignments. Grammar is addressed as areas of concern arise in student writing, and vocabulary acquisition is based on words selected from the course readings.

## **ENGLISH 3 (20813)**

**Meets requirement | junior | one credit | full year**

A chronological study of American literature and an emphasis on writing the argumentative, expository essay provide the two-fold focus for junior English. Students read selections from American fiction and non-fiction and view American film in order to better understand their culture and appreciate their historical background. The writing assignments provide practice in critical and logical thinking and in applying techniques of literary analysis. Research methods leading to the finished research paper as well as work on vocabulary improvement are part of the junior English curriculum.

## **AP/ACC HONORS ENGLISH 3: LANGUAGE & COMPOSITION (20943)**

**Meets requirement, by invitation | junior | one credit | full year**

*Prerequisite: students must earn a B or higher in Honors English 2*

The primary texts in this AP course, both fiction and non-fiction, will lead students through an investigation of American literature and its themes, authors, and culture. Students write in both informal and formal contexts to gain authority with varied rhetorical stances, while continuing to develop their vocabulary and address problems in grammar and style as weaknesses appear in their own writings.

An AP course in English Language and Composition prepares students for the AP exam in May, engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and helps them become skilled writers who compose for a variety of purposes. Consequently, students become aware of the interactions among a writer’s purposes, audience expectations, and subjects. Students will study the rhetorical patterns of organization and various devices used for analysis. This course emphasizes the expository, analytical, and argumentative writing that forms the basis of academic and professional communication, as well as the personal and reflective writing that fosters the development of writing facility in any context.

## **AP/ACC HONORS ENGLISH 4: LITERATURE (21034)**

**Meets requirement, by invitation | senior | one credit | full year**

*Prerequisite: students must earn a B or higher in AP/ACC Honors English 3: Language*

Students in this class study important works from ancient Greece and from the literature of England. Students study these works in chronological order within the philosophical context of the times in which they were composed, but also with attention to their timelessness and relevance to today's world. Students read and/or view films of important literary works, discuss them, and write primarily analytical essays on them. Students develop vocabulary in the context of the readings and address problems in grammar and style as they appear in their own writing. Students in the class will prepare for the AP English Literature and Composition exam.

## **ENGLISH 4:ACC IRISH LITERATURE (21274)**

**Meets requirement | senior | one-half credit | one semester**

Irish Literature is a semester-long, senior elective course that will look closely at works by Irish authors about life in Ireland (rural and urban, pagan and Christian, ancient and modern). This is a beautiful language and history strewn with strife and sectarian violence mostly thanks to the actions of their bullying neighbor England. The course will explore the myths and stereotypes as well as celebrate the great gift for storytelling and humor that helped Irish authors “invent” the uniquely Irish character often in politically charged writing.

## **ENGLISH 4:ACP BEST NOVELS (21214)**

**Meets requirement | senior | one-half credit | one semester**

This elective course is aimed at exploring and enjoying recent books that are not covered in other courses and at studying themes and styles that are current today. The class focuses primarily on five novels focusing on various literary critiques. The students choose the final novel for an independent in-depth exploration of the work. Student response to the reading is encouraged through frequent class discussion, informal essays, and interpretive or informative projects on subjects suggested by details in the books. This course is available for college credit through UMSL's Advanced Credit Program (ACP).

## **ENGLISH 4:AMERICAN FAMILY DYNAMICS (21334)**

**Meets requirement | senior | one-half credit | one semester**

A search for “American Family” returns images such as The Kennedys, Bushes, Waltons, Vanderbilts, etc. Each of these families is white and have mothers and fathers. This is not an accurate reflection of the American family. American families are diverse in their ethnicity, religion, race, and makeup. This course will investigate the diversity and dynamics of the American family through the readings of the course. Students will discuss how the families in the readings reflect or differ from their own reality with the goal that we may better come to understand the diversity within our own community and America. Additionally, by examining these diverse family dynamics, students will better understand how they can craft and lead the type of family dynamic they desire as future fathers and husbands.

## **ENGLISH 4: LITERARY ANALYSIS OF AMERICAN STORYTELLING (21264)**

**Meets requirement | senior | one-half credit | one semester**

Students will analyze American movies for their meanings in terms of characters, themes, plot structures and conflicts, settings, imagery and symbols, tone and contemporary values. After viewing a film, the class will discuss the above elements, read a professional review of the film, and write a paper about the meaning of the movie.

## **ENGLISH 4: LITERATURE AND SPORT (21294)**

**Meets requirement | senior | one-half credit | one semester**

As an elective for seniors, this course offers the opportunity to take ownership of one's education and to debunk the stereotype of literature as irrelevant to our daily lives. The course will incorporate literature, history, and social and personal psychology to better understand the social phenomenon of sports, the psychological drive of athletes or sportsmen, and the moral challenges that attend athletic or physical challenges and competitions. Throughout the semester, students will consider the following questions: What constitutes sport? Aside from the common understanding of "sports," what is it about sport that attracts our attention, engenders curiosity, and riles our emotions? What motivates those engaged in such activities? Why are writers like Norman Mailer, Joyce Carol Oates, David Remnick, Ernest Hemingway and others drawn to observe, analyze, and even at times participate in such sporting events? Why is there often a moral tension between the personal ambitions of the athlete/sportsman and the spirit of sportsmanship and fair play? How is the writer like an athlete in terms of power, elegance, intellect, cleverness, and precision?

## **ENGLISH 4: READING AND WRITING FICTION (21324)**

**Meets requirement | senior | one-half credit | one semester**

As the title indicates, students in this course will spend part of their time reading short stories by traditional and contemporary authors and the other part writing stories. Although the initial activities will direct the students' attention to their experiences of the stories, this will evolve into a directive to understand the crafts and techniques used by these authors, so that students can utilize these skills in their own writing. When writing their own stories, students may draw upon personal experiences as they alter (or completely fabricate) these experiences to create a fictional narrative. Their stories will develop through the process of drafting, revising, and editing, some of which will happen in class and the rest will happen on their own time. There will be days set aside for small- and large-group peer-editing sessions. At the end of each quarter, students will submit approximately fifteen pages of revised, polished fiction, not including science fiction, fantasy, or horror stories.



## **ENGLISH 4: SUPERHEROES—NEW AMERICAN MYTH AND ARCHETYPE (21254)**

**Meets requirement | senior | one-half credit | one semester**

Superheroes began a world-wide phenomenon from their early inception as funny pages to the more modern graphic novel. They have been vilified, suppressed, banned, and raised to an art form. The class will attempt to define the nature of superheroes and why they receive such positivity in today's world as opposed to the history of their banishment and how they have been adapted into some of the top grossing films of all time. An analysis of the types of superheroes will begin the class that will culminate in the discussion of the cultural impact of the genre. Literary analysis will be applied in all facets of discussing these American cultural inventions that reflect their time of creation as well as the modern era.

## **ENGLISH 4: LITERATURE OF INITIATION (21344)**

**Meets requirement | senior | one-half credit | one semester**

The texts of this course explore events central to the human psyche: first encounters with significant and often traumatic events. Often these events mark the passage from childhood to adulthood. Some societies mark the coming of age with rituals of initiation. More often in modern literature, the initiation is not planned but forced upon the protagonist by hard circumstances or some hidden and often terrifying knowledge. This course will investigate the values placed on the initiate, the character traits he must demonstrate to become an adult, the rituals involved in this process and how they vary by history or gender. Looking at these various initiations and requirements of initiates, we will better understand ourselves as men and how we can engage life more fully at De Smet Jesuit and beyond.

## **INTRODUCTION TO MEDIA (21411)**

**Elective | freshman | one-half credit | one semester**

This class provides an introduction to the digital world of communications, including words, pictures, video, and social media. It exposes the students to the world of desmetpress, establishing a clear pathway for yearbook, newspaper or digital media, by setting the framework for the development of 21<sup>st</sup> century skills such as collaboration, communication, critical thinking, and creativity.

Students will have the opportunity to learn basic photography and videography skills. They will learn basic publication design and rules of composition. They will also gain a basic understanding of journalistic writing style such as the lead-quote-transition formula.

## **DIGITAL MEDIA/DIGITAL STORYTELLING (21412)**

**Elective | sophomore, junior, senior | one credit | full year**

This course teaches the fundamentals of digital photography and videography and how they relate to 21<sup>st</sup> century media consumption. Topics covered include operation of 35 mm and video cameras, the exposure triangle, visual composition, storytelling with photos and video, computer editing programs (Adobe Photoshop and Premiere), and media law and ethics. Assignments will be geared toward use in one of the school publications: *The Mirror* (newspaper), *desmetmirror.com* (website), *Spartan Olympiad* (yearbook), and De Smet Student Network-DSN (broadcast).

This course will serve as an alternate prerequisite for News Writing and Yearbook.

## **YEARBOOK (21414)**

**Elective | sophomore, junior, senior | one credit | full year**

*Prerequisite: teacher approval*

This course aims mainly at producing the *Spartan Olympiad*, De Smet Jesuit's student yearbook. Students work to strengthen their writing skills for articles, headlines, photo captions, and other feature material. Students also gain valuable experience in page and graphic design and computer layout. A high level of personal initiative and reliability is a must. Each class member is responsible for producing his own allotment of pages, plus helping with other efforts, which contribute to the yearbook's completion.

The class meets during a normal class period, and a great deal of the production work must be done on the student's own time after school. Note: At the senior level, it is only open to students with prior yearbook experience. Freshmen are invited to join the staff on a non-credit, extracurricular basis after the first quarter of the school year.

## **INTRODUCTORY NEWS WRITING (21123)**

**Elective | freshman, sophomore, junior | one-half credit | one semester**

*Prerequisite: freshmen: by invitation; sophomores, juniors: teacher approval*

This class provides an introduction to newspaper writing and production and is available to freshmen, sophomores and juniors. Through frequent efforts on several articles and long-range projects of their own, students sharpen their overall skills as writers and practice the main forms of newspaper writing (news, features, editorials, sports, etc.). At the same time, they will be working in other areas that are part of the production of a newspaper such as interviewing, proofreading and editing, writing headlines and photo captions, designing layouts and learning desktop publishing with Adobe InDesign. Course work includes other issues such as history of journalism, free speech and freedom of the press, honesty, and newspaper ethics. As the writers gain skill, they will publish their work in the school newspaper and try their hand at helping to produce the paper.

## **NEWS WRITING (21114)**

**Elective | junior, senior | one credit | full year**

*Prerequisite: Introductory News Writing, and teacher approval*

This course is open only to juniors and seniors who have completed the Introductory News Writing class. At this level, News Writing focuses on the actual production of *The Mirror*, De Smet Jesuit's official student newspaper. While working to improve their skills as writers and journalists, News Writing students will publish *The Mirror*. In addition to filling editorial roles with various leadership duties, each member of the class will be required to write for every issue of the paper. Longer range projects will also aim to broaden their knowledge of the world of professional journalism beyond De Smet Jesuit.

# Fine Arts Department

## **EXPLORING STUDIO ART I (30110)**

**Meets requirement | freshman | one-half credit | one semester**

This entry level visual arts course provides freshman students with the opportunity to communicate their ideas effectively through a visual language known as the elements and principles of art and exposes them to the idea of the creative process. In a studio art setting, students will be assigned hands-on projects that explore a wide variety of two-dimensional drawing mediums such as pencil, ink, charcoal, etc. A brief introduction to three-dimensional concepts will be covered as well. In this course, an emphasis will be placed on the building of observation skills, the exploration of new artistic mediums, and the understanding that visual problems can be solved through multiple solutions. Students will also respond, analyze, and interpret their works and the works of others through constructive collaborative critiques.

## **INTRODUCTION TO SCULPTURE (30122)**

**Meets requirement | sophomore, junior, senior | one-half credit | one semester**

This one-semester introductory course will expose students to fundamental principles of 3-D design such as structure, creative process through problem solving, design, and art interpretation. A significant component of this class is to intentionally transform the casual observer or object consumer into a maker and appreciator of art. This class will consist of three major projects along with smaller projects interspersed throughout. Students will explore a variety of materials and techniques, both traditional (e.g., clay, wood, wire, plaster) as well as non-traditional (e.g., found objects, paper, duct tape). This is a studio-oriented class with a strong physical basis that is supplemented by examining 3-D concepts via reading, artist lectures, slides, videos, and other materials.

## **STUDIO ART 2 (30112)**

**Meets requirement | sophomore | one credit | full year**

*Prerequisite: Exploring Studio Art I*

The fundamentals of design, painting, and sculpture will be the thrust of this course. The first unit will begin with the basic elements of design (i.e., line, shape, texture, value, balance, harmony, etc.) and how they are used in art. The basic techniques of sculpture will be the second unit. The students will produce a human bust as their final project.

The last third of the class will be devoted solely to the fundamentals of oil painting, including color mixing, color harmony, and brush techniques as applied to a variety of subject matter.

## **STUDIO ART 3 (30113)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: Studio Art 2*

This course presumes that the students have a strong interest in art and therefore goes well beyond the basics of art. Creativity and design are the major focus of the course. No matter what the medium or project, the focus will be on the composition and creative approach to the subject matter. The course is broken into three parts: figure drawing, water color, and advanced 3D design (sculpture). Figure drawing will work with gesture and contour line drawing, with an emphasis on capturing a pose quickly. There will be creative approaches to handling of the figure as well. Watercolor painting will begin with the fundamentals and progress into more advanced approaches to applying those techniques to a variety of subject matter. Advanced sculpture will consist of problem-solving projects in three dimensions. Each project will have multiple correct solutions to foster creativity.

## **STUDIO ART 4 (30114)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: Studio Art 3*

The first semester of this course will focus on advanced oil painting. There will be a series of quick paintings focused on increasing speed, as well as loosening up the students' approach to applying paint. The remainder of the semester will be a series of paintings centered on developing well-thought-out concepts for class assignments. Emphasis will be placed on creative problem solving. Second semester will be advanced drawing, where the emphasis will be on won assimilating multiple resources into a final cohesive composition. Drawing will be done in charcoal, graphite, and mixed media. The main thrust of the course will be to explore the various approaches to drawing and representing a concept or image through content and form.

## **DIGITAL GRAPHIC DESIGN (30123)**

**Meets requirement | junior, senior | one-half credit | one semester**

This course is project-based and designed to give students an understanding of visual communication and basic digital design. Students will learn the theories of graphic design while designing and producing several real-world graphics such as logos and package designs, as well as learn how to identify clients' needs and research brand strategies. Students will learn about digital painting techniques and typography with Adobe Photoshop and Illustrator. Research, critical thinking, discussion, and critique help provide students with a solid foundation from which to proceed as they explore new directions using the newly acquired design knowledge and technical skills.

## **BEGINNING INSTRUMENTAL MUSIC (30619)**

**Meets requirement | freshman, sophomore | one credit | full year**

This class is open only to freshmen and sophomores, and no prior musical training is required. Students will learn to play a musical instrument of their choice. The instruments include all woodwinds, brass and percussion instruments, electric bass, and acoustic bass. Along with an in-depth study of their chosen instrument, students will have the opportunity to learn the fundamentals of all the instruments and experience playing each instrument. Music theory will also be taught so an overall understanding and appreciation of music will be developed.

## **CONCERT BAND (30614)**

**Meets requirement | freshman, sophomore, junior, senior | one credit | full year**

This course, which is open to all grade levels, requires that students already know how to play a band instrument. This class is designed to improve students' overall musicianship and sight reading skills. Material covered includes scales, technique exercises, and a wide variety of band literature covering many musical styles. This group performs in two concerts during the school year and participates in music festivals.

## **CONCERT JAZZ BAND (30620)**

**Meets requirement, by audition | freshman, sophomore, junior, senior | one-half credit | full year**

This class is a performing group, and students are admitted by audition. The class meets once a week on Wednesdays from 3–4:30 p.m., and students study all forms of jazz as well as jazz improvisation, rock, and contemporary styles of music. Because it is a performing group, this class will participate at school concerts, Open House, jazz festivals, and in our community.

Because this class meets after school, students may take it as an online class for two of the four quarters. Online work will include tests and practice assignments on SmartMusic software. Students will also meet with the instructor at convenient times throughout each quarter. Students will be required to attend specific performances during each quarter.

## **JAZZ LAB BAND (30616)**

**Meets requirement, by audition | freshman, sophomore, junior | one credit | full year**

This is an intermediate level group open to freshmen, sophomores, and juniors. This group studies all styles of jazz. Students also study jazz improvisation and music theory. The class performs as part of the Spring Jazz Concert. Admission to the class is by audition.

## **INSTRUMENTAL JAZZ COMBO (30612)**

**Meets requirement, by audition | sophomore, junior, senior | one credit | full year**

*Prerequisite: Jazz Lab Band or Concert Band*

This advanced class is open to sophomores, juniors, and seniors. Students are selected by audition. This class is an in-depth study of jazz improvisation and music theory as it applies to jazz. Most tests are performed on their musical instruments, sometimes in a small group setting and sometimes individually. Students will also be given music listening assignments of classic jazz recordings as a way of familiarizing themselves with the style of the music and the standard jazz repertoire. Students will also be given written music theory homework assignments and tests. This is a performing group that participates in many school functions and community events.

## **HONORS INSTRUMENTAL JAZZ COMBO (30618)**

**Meets requirement | junior, senior | one credit | full year**

*Prerequisite: Instrumental Jazz Combo*

This class is an in-depth study of jazz improvisation. It is open to students who have music theory knowledge and a high level of proficiency on their musical instruments. This course will study advanced music theory along with all song forms. Listening to musical examples, attending concerts, and written tests are part of class assignments. This is a performing class that will participate in many school functions, community events, and various workshops and festivals sponsored by local high schools and universities.

## **DE SMET CHORUS (30725 for freshmen, 30721 for sophomores)**

**Meets requirement | freshman, sophomore | one credit | full year**

De Smet chorus is for freshmen and sophomores who have little or no singing experience. It is preparatory for Advanced Chorus. Emphasis will be placed on learning to read music and improving voice range and quality. A few performances will be planned. There are no tryouts required. The class is graded on attendance, effort, and individual skill testing.

## **ADVANCED CHORUS (30724)**

**Meets requirement, by audition | sophomore, junior, senior | one credit | full year**

The performance of traditional and contemporary three- and four-part music is the goal of this group. The class concentrates on improving the ability to sight-sing, sing with a full and flexible technique, and to be an independent part-singer. Continued improvement of the individual's voice and performance are also stressed. This group performs frequently. Prior experience is not necessary; however, an audition is required before admission into the class. All members are expected to strive as an individual for the excellence of the ensemble. The class is graded on attendance, effort, and individual skill testing.

## **MUSIC APPRECIATION (30313)**

**Meets requirement | junior, senior | one-half credit | one semester**

This junior and senior elective course is for students who are interested in music and willing to consider the valuable role it plays in our lives. Students will learn basic music theory, survey the history of music, and listen to the way musical styles evolved over the centuries. They will also study diversity within music, the role of the media, and other contemporary issues.

## **MUSIC PRODUCTION (30323)**

**Meets requirement | junior, senior | one credit | full year**

This class is open to juniors and seniors who have an interest in studying music theory, composition, MIDI sequencing, and music production. Students will learn how to: read and notate music; listen to, analyze, evaluate, and describe music; compose and arrange music; sequence music using MIDI programs; and mix, arrange, and produce music using studio software. Students will become familiar with and utilize various programs including Finale (for notation), Ear Master (for ear training), Pro Tools (for recording, mixing and mastering), and Reason (for studio and audio production).

## **ACTING & IMPROVISATIONAL THEATER I (30215)**

**Meets requirement | freshman | one-half credit | one semester**

This course provides the students with an exposure to the various forms of acting, improv, and drama, thereby helping the student develop a more creative and flexible approach to solving performance problems and critical thinking. This is a very active class that challenges the imagination of the actor and gives him a chance to explore a variety of experiences on stage. The ensemble will play improv and theater games, and perform scenes in order to communicate better with one another and the community at large. Through a series of exercises, the student will obtain a basic understanding of one of the fundamentals of acting—improvisation.

The course is also designed to provide students with an introduction to the theatre and acting in theory and performance. Emphasis will be on the use of imagination, the senses, an introduction to stage movement, and script analysis. Students will perform a monologue and/or scene from a comedic or dramatic script, and attend one live theatre performance at De Smet Jesuit.

## **ADVANCED ACTING/DIRECTING (30515)**

**Meets requirement | sophomore, junior, senior | one-half credit | one semester**

This course develops and expands upon the skills developed in acting and improvisational theater by introducing the student to character techniques, blocking, and an awareness of the actor's and director's point of view. This course is focused on the continued development of acting techniques and introduces students to the art of directing. The students will be divided into two tracks during the course of the semester. Track I (Acting) students will focus solely upon the study of acting and will perform three or four scenes and monologues, continue reading plays, and explore theater history. Track 2 (Directing) students will perform two scenes, and, with a focus upon directing, direct the Track 1 (Acting) students in two scenes and monologues (and be eligible to direct the student one-act plays in the spring).



Attending live theatre performances and writing play reviews will also be required. Emphasis will be placed on fine-tuning technique and specific problems in staging.

The improvisational acting/theatre aspects of the course are also designed to help the students master a more creative and flexible approach to acting. This is a very active class that challenges the imagination of the actors and directors. The use of improvisation as an audition technique will also be used as an in-depth study of the audition process from the perspective of both the actor and the director. There is no prerequisite to enroll in this course.

### **ACC FILM APPRECIATION (30414)**

**Meets requirement | junior, senior | one-half credit | one semester**

This course will focus on American films through two main approaches: genres and directors. The impact of media and mass communication on life in the twentieth century will also be explored. An historical context will be given for films that range from the 1910s to the present. Directors such as Chaplin, Keaton, Ford, Hitchcock, Welles, Demme, Coppola, Kubrick, Spielberg, Kazan, Peckinpah, Nichols, Tarantino, Redford, Cohen, Stone, Eastwood, Lee, Rosenberg, Robbins, Nolan, Fincher, and Scorsese will be studied, along with western, suspense, satire, war, gangster, comedy, drama, noir and horror genres. The films seen in class will be critiqued in several ways that draw upon various film theories and techniques. Films will be “read”—much the same way a book is read—concentrating on both style and themes. Students will prepare and give reports to the class on specific films and topics. Students will learn a historical overview, key terms and concepts, how a film is made, and how to give presentations on film. Each student will be responsible for an independent project, Power Point presentations, quizzes, tests, written reports, reflections, content/detail quizzes and a media log.

### **PUBLIC SPEAKING (30516)**

**Meets requirement | junior, senior | one-half credit | one semester**

This introductory course in public speaking, speech writing, and composition is designed to introduce students to the skills required to develop ideas, theories, and analysis of various topics and positions as well as draft, write, and present effective public speeches. Additional emphasis will be placed on informative (expository) and persuasive (argumentative) discourse.



# Mathematics Department

## **ALGEBRA I (50211) (B)**

**Meets requirement, by invitation only | freshman | one credit | full year**

This course begins with a review of Pre-Algebra. Students will then study the basic properties of numbers and solving of equations. The study of proportional reasoning as well as relations and functions are explored further. Graphing and the analysis of linear relations, functions, and systems will also be studied.

## **ALGEBRA I (50311) (A)**

**Meets requirement | freshman | one credit | full year**

This course covers the standard topics of Algebra 1. Expressions are evaluated and equations are solved. Linear functions are represented in multiple ways: as equations, tables, and graphs. Systems of two linear equations are introduced. Operations on polynomials, including factoring and solving for real zeroes, will be studied in depth. Graphing calculator techniques are introduced early and applied throughout the course. Concepts in geometry are integrated throughout the course, including the Pythagorean Theorem, angles, and triangles. The quadratic function is studied along with rational and radical expressions and equations.

## **HONORS ALGEBRA I (50331)**

**Meets requirement, by invitation only | freshman | one credit | full year**

This course covers the standard topics of Algebra 1 in more depth. Expressions are evaluated and equations are solved. Linear functions are represented in multiple ways: as equations, tables, and graphs. Systems of two linear equations are introduced. Exponential functions are studied, including applications of growth and decay. Operations on polynomials, including factoring and solving for real zeroes, will be studied in depth. Graphing calculator techniques are introduced early and applied throughout the course. Concepts in geometry are integrated throughout the course, including the Pythagorean Theorem, angles, and triangles. The quadratic function is studied along with rational and radical expressions and equations.

## **HONORS ALGEBRA 2/TRIGONOMETRY (50431)**

**Meets requirement, by invitation only for incoming freshmen | one credit | full year**

This course concentrates on extending and enhancing the algebra initiated during the student's previous year of Algebra 1, including concepts involving real numbers, linear and quadratic equations, and operations involving polynomials and irrational numbers. New material introduced in this algebra course are complex numbers; conic sections; exponential, logarithmic, and trigonometric functions; identities; circular functions and their inverses; matrices; and sequences and series.

## **GEOMETRY (50522) (B)**

**Meets requirement | sophomore | one credit | full year**

*Prerequisite: Algebra I (50211)*

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. This course includes the study of transformations and right triangle trigonometry. Students will use inductive and deductive thinking skills to solve problems and apply those skills to real world applications. The course introduces the writing of proofs to illustrate the properties of geometric figures and other theorems in geometry.

## **GEOMETRY (51822) (A)**

**Meets requirement | sophomore | one credit | full year**

*Prerequisite: Algebra I (50311)*

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. This course includes the study of transformations and right triangle trigonometry. Students will use inductive and deductive thinking skills to solve problems and apply those skills to real world applications. The course introduces the writing of proofs to illustrate the properties of geometric figures and other theorems in geometry.

## **HONORS GEOMETRY (51832)**

**Meets requirement | sophomore | one credit | full year**

*Prerequisite: enrollment in Honors Algebra 2/Trigonometry (50431) B+ in Honors Algebra I (50331) or A+ in Algebra I (50311)*

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. This course includes the study of transformations and right triangle trigonometry. Students will use inductive and deductive thinking skills to solve problems and apply those skills to real world applications. The course introduces the writing of proofs to illustrate the properties of geometric figures and other theorems in geometry.

## **ALGEBRA 2/TRIGONOMETRY (50113) (B)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: Geometry (B) 50522*

This course extends the concepts of Algebra 1. Systems of equations are explored as well as an exploration of polynomials and their functions. The quadratic and exponential functions are studied along with rational and radical expressions and equations. Graphing calculators and geometry are integrated throughout the program. New material introduced in this course includes numbers; conic sections; exponential, logarithmic functions, and trigonometric functions; circular functions and their inverses; and matrices.

## **ALGEBRA 2/TRIGONOMETRY (50223) (A)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: Geometry (51822)*

This course continues the students' study of algebra, geometry, trigonometry, and analytic geometry from an advanced point of view. Topics covered include, among others, the following: coordinate geometry, polynomials, inequalities, algebraic functions, logarithmic functions, exponential functions and trigonometric functions, Cartesian coordinates, complex numbers, vectors and determinants, sequences, and series.

## **HONORS ALGEBRA 2/TRIGONOMETRY (50333)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: B in Honors Geometry or A+ in Geometry*

This course continues the students' study of algebra, geometry, trigonometry, and analytic geometry from an advanced point of view. Topics covered include, among others, the following: coordinate geometry, polynomials, inequalities, algebraic functions, logarithmic functions, exponential functions, and trigonometric functions, Cartesian coordinates, complex numbers, vectors and determinants, sequences and series.

## **HONORS PRE-CALCULUS (51533)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: enrolled in Honors Algebra 2 (50431) as a freshman*

This course is for seniors who plan to take the AP/ACC Honors Calculus course. It covers algebra, geometry, trigonometry, and analytic geometry from an advanced point of view. Topics covered include, among others, the following: coordinate geometry, polynomials, inequalities, algebraic functions, logarithmic functions, exponential functions and trigonometric functions, polar and Cartesian coordinates, complex numbers, vectors and determinants, sequences and series, and an introduction to calculus.

## **PRE-CALCULUS (51824)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: enrollment in Algebra 2/Trig (50223)*

The course continues the students' study of algebra, geometry, trigonometry, and analytic geometry from an advanced point of view. Topics covered include, among others, the following: coordinate geometry, polynomials, inequalities, algebraic functions, logarithmic functions, exponential functions and trigonometric functions, Cartesian coordinates, complex numbers, vectors and determinants, sequences and series.

## **CALCULUS (51924)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: B in Honors Algebra 2/Trigonometry (50333) or A in Algebra 2/Trigonometry (50223)*

College calculus is the quantitative study of continuous change in preparation for advanced work in mathematics, science, or specialized business fields. Topics studied include analytic geometry, limits, continuity, the derivatives, and integrals of various functions with applications. Calculus is then applied to the trigonometric, logarithmic, and exponential functions. The conic sections are also treated in detail. This course covers approximately the first semester of college calculus.

## **AP/ACC HONORS CALCULUS (52034)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: B in Honors Pre-Calculus (51533) or A in Honors Algebra 2/Trigonometry (50333)*

This course is taught at the college level. Functions, limits, continuity, and techniques of differentiation will be studied with applications including maxima and minima of functions, curve sketching, related rates, and rectilinear motion. The course also covers the concept of the integral, techniques of integration, application of the integral, including areas, volume of solids, and work. The differentiation and integration of elementary transcendental functions is explored. The course concludes with improper integrals, L'Hopitals' Rule, infinite sequences, divergent and convergent series, and power series.

## **COLLEGE ALGEBRA & STATISTICS (51325)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: enrollment in Algebra 2/Trigonometry (B) (50113)*

In the first semester of this course the students will study functions and their applications. Included in this study will be polynomial, rational, exponential, and logarithmic and radical functions. The second semester of the course will introduce the student to the field of statistics, with a focus on the normal distribution and its applications. Students will then generate and test hypotheses based upon statistics gathered and their distribution.

## **STATISTICS (51614)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: enrollment in Algebra 2/Trig (50223) or Algebra 2(B) (50113)*

Students enrolled in this course will be introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

## **AP HONORS STATISTICS\***

\*Taught through Arrupe Virtual Learning Institute

**Meets requirement | senior | one credit | full year**

*Prerequisite: C in Honors Pre-calculus (51533), C in Honors Algebra 2/Trigonometry (50333), or B in Algebra 2/Trigonometry (50223)*

For the 20-21 school year AP Statistics will be taught online through the Arrupe Virtual Learning Institute. A faculty mentor will be provided for students in the online course. This course prepares students to take the Advanced Placement national examination in elementary statistics. It develops an intuitive, non-calculus based understanding with an emphasis on doing statistics. Statistics makes sense of data. It consists of a set of tools that allow us to make inferences in the face of uncertainty. Statistical methods draw from the Gaussian (normal, bell shaped) distribution as well as the binomial and chi-square distributions. We learn about data description concepts, hypothesis testing, probability, discrete and random variables, several inferential techniques, regression, and how to plan and carry out a properly designed statistical analysis.

## **INTRODUCTION TO COMPUTER/STUDY SKILLS (10511)**

**Meets requirement | freshman | one-half credit | one semester**

This course focuses on maximizing the features of the student's computer to facilitate learning at De Smet Jesuit. Students will learn the basic features of the computer as well as the resources available through the network. Microsoft Office applications including OneNote, Word, Excel, Power Point, and Publisher will be introduced, as well as the basics of HTML to design web pages. This course will also strengthen the student's ability to acquire information through research and class notes, organize the information in meaningful ways, and access the information when needed. The student will also learn the skills necessary to transition from eighth grade to high school. These skills include responsibility, organization, time management, reading, and test-taking.

## **HONORS COMPUTATIONAL THINKING AND PROGRAMMING (10531)**

**Meets requirement, by invitation | freshman, sophomore | one-half credit | one semester**

*Prerequisite: test out (all students) and completion of summer computer orientation (freshmen only)*

This course centers around algorithmic thinking, design, and computer programming. Beginning with the students' current understanding of a computer as a machine, students will deconstruct the computer using a series of abstractions, explore the inner workings, and learn the computer's native language: binary. Students will extend this knowledge to the architecture of the internet. From there, students will learn to think as a computer does by creating algorithms to solve problems. They will apply this skill to varied computer applications and problems of varying degrees of complexity. Finally, students will apply their algorithmic knowledge to a programming language in order to put their skills into a visual medium and see the results of their work in real time. Emphasis is placed on study habits relating to computing best practices, critical thinking, and organization.

## **WEB PAGE DESIGN (10623)**

**Elective | junior, senior | one-half credit | one semester**

Web Page Design is a one-semester elective course offered to juniors and seniors. The goal of the course is for students to learn to create meaningful, organized, and aesthetic websites. Students will use the most cutting-edge versions of HTML and CSS to create modern web pages using industry standard techniques and designs. Students will practice organizational skills and file management as they expand their websites. Finally, students will create a website for an outside organization to learn client relationship skills, copyright practices, and fair use of information.

## **ACP COMPUTER APPLICATIONS (10514)**

**Elective | senior | one-half credit | one semester**

Computer Applications is a one-semester class offered to seniors. The course centers on the computerized transition from raw data to usable information. Students will focus on Microsoft Excel and Access in addition to other Microsoft products to facilitate this transition. They will use their skills in these programs to build to a final capstone in the class: assembling, maintaining, and utilizing a complete business infrastructure including a functional database, website, and order forms. This course is taught to the standards of the Advanced Credit Program from the University of Missouri – St. Louis.

## **AP INTRODUCTION TO COMPUTER SCIENCE (10734)**

**Elective | senior | one credit | full year**

AP Introduction to Computer Science is a one-year elective class for honors credit and a college prep class for those interested in pursuing a career in computer science or another related field in business technology, information technology, or engineering. This course is offered for college credit as the class is written to College Board standards as an Advanced Placement preparation class. Students will read, write, and debug programs in the Java programming language, learn the basics of algorithm design (both practical and heuristic), and learn to write code within the framework of object-oriented programming.

# Physical Education and Health Department

## **PHYSICAL EDUCATION & HEALTH I (60111)**

**Meets requirement | freshman | one-half credit | one semester**

Approximately nine weeks (one academic quarter) of this course is designed to introduce students to the theory and practices of cardiovascular efficiency, muscular strength, muscular endurance, flexibility, and muscular power through plyometric training. The students will be pre- and post-tested in each of these areas. The other nine weeks (one academic quarter) of health education will be provided in the following areas: taking responsibility for one's health, stress, stress management, nutrition, alcohol, tobacco and other drugs, sexually transmitted diseases, HIV infection, prevention of injuries from physical activity, and fitness planning.

## **BEGINNING WEIGHT TRAINING & HEALTH I (60121)**

**Meets requirement | freshman | one-half credit | one semester**

Approximately nine weeks (one academic quarter) of this course are designed to introduce students to the theory and practices of weight training to develop athleticism. The course will focus on introduction to weight training exercises and spotting techniques with program implementation for a solid foundation for future classes. The other nine weeks (one academic quarter) of this course will be focused on the following areas: taking responsibility for one's health, stress, stress management, nutrition, alcohol, tobacco and other drugs, sexually transmitted diseases, HIV infection, prevention of related injuries from physical activity, and fitness planning.

## **PHYSICAL EDUCATION 2 (60112)**

**Meets requirement | sophomore | one-half credit | one semester**

This course is designed to introduce students to the theory and practice of team sports. This course is organized to provide competition in bocce, floor hockey, touch football, softball, indoor soccer, frisbee, basketball and volleyball. Team play within a tournament, knowledge of the particular rules of the sport, sportsmanship and discipline are emphasized.

## **INTERMEDIATE WEIGHT TRAINING (60222)**

**Meets requirement | sophomore, junior, senior | one-half credit | one semester**

Students in this class will be taught basic lifts in four-week cycles. They will be given individual instruction on exercise form and technique. The level-one workouts they complete are characterized by a higher number of repetitions per set and by basic strength foundation building exercises. Exercises will be alternated daily using a push/pull sequence. Students who are able will progress to a level-two program. This will be an eight-week cycle with greater emphasis on the Olympic-style lifts and slightly fewer repetitions per set. The push/pull sequence is maintained.

## **INDEPENDENT MENTORED SELF-DESIGNED FITNESS (60614)**

**Meets requirement | senior | one-half credit | one semester, before school**

*Prerequisite: teacher approval*

The student will design and implement, with faculty support, a fitness program that includes elements of muscular strength or endurance, cardiovascular development, and flexibility. The program will be founded in the principles of overload, progression and specificity as defined by their mentor. The student will perform his workout during his free time and will meet biweekly with his mentor at an agreed upon time.

## **LIFETIME ACTIVITIES (60234)**

**Meets requirement | junior, senior | one-half credit | one semester**

This course is designed to offer a higher level of proficiency and in-depth instruction in activities students may encounter and enjoy throughout their lifetimes. The curriculum will emphasize individual or dual activities. The only team sports that will be explored in this course are those that have carry-over values as lifetime activities. The curriculum will provide diverse offerings to meet the individual needs of all students and develop competency in these activities.

Examples of activities include, but are not limited to, golf, weight training, conditioning, jogging, walking, aerobics, yoga, disc golf, disc freestyle, skating, cycling, martial arts, cross-fit, badminton, horse shoes, two- and four-man volleyball. Physical fitness and proper nutrition are emphasized as necessary to maintain good health throughout life, and physical activity will be taught as a way of reducing stress and broadening students' education experience.

## **ADVANCED WEIGHT TRAINING (60223)**

**Meets requirement | junior, senior | one-half credit | one semester**

*Prerequisite: Intermediate Weight Training (60222)*

This course will build on previous classes and focus on advanced techniques that emphasize the neuro-muscular strength/force and hypertrophy techniques that will aid in development of individual athletes' sport-specific goals. Students will move away from a one-size-fits-all program. Strength training, theories, hypertrophy, balance, and body composition will be topics for discussion as well as nutrition and supplement use. Cardiovascular, cross, and interval training will be integrated into the strength/endurance/power lifting phases. Students will obtain background information and experience supporting careers in the areas of personal training, fitness instruction, corporate fitness, as well as opportunities for personal growth and enrichment.



# Science Department

## **BIOLOGY (80211)**

**Meets requirement | freshman | one credit | full year**

This course gives a broad overview of the science of biology. It introduces the student to the scientific method, biochemistry, cell structure and function, genetics, and classification, characteristics of various plant and animal phyla, including many body systems of animals. Inquiry-based laboratory work, including dissection, is an integral part of the course.

## **HONORS BIOLOGY (80231)**

**Meets requirement, by invitation | freshman | one credit | full year**

This course gives a systemic approach to the science of biology. Topics covered will be the scientific method, biochemistry, cell structure and function, genetics, molecular biology, evolution, classification, conservation and ecology. Specific emphases within units will be directed by the interest of the students in the course. A “systemic approach” is based on making connections between concepts and understanding how cellular and molecular mechanisms function in the whole organism, how organisms function together in a community or ecosystem. Application beyond recall and conceptual understanding of the material is emphasized. Laboratory work, which emphasizes investigations of biological principles and application to real world issues, and value-based, informed decision making on bioethical concepts are integral parts of the course. Connections between concepts from multiple units will be expected and consistent daily review is required for success. As the broad overview of the principles of biology are covered, students will not only improve on organizational and study skills but also develop an understanding and appreciation for the living world and all of its forms, examine their faith compass on bioethical issues and mature on the life skills of perseverance, grit and adaptability.

## **CHEMISTRY (80722)**

**Meets requirement | sophomore | one credit | full year**

*Prerequisite: Biology (80211)*

This course is an introductory chemistry program combining chemical concepts and theories with quantitative problems. The class utilizes problem-solving and critical thinking skills while relating Chemistry use in other fields and everyday situations. The course introduces students to chemical formulas, the mole, atomic structure, the periodic table, gas laws, acid-base theory, and other general chemistry principles taught in a college course. Inquiry-based laboratory investigations are emphasized.

## **HONORS CHEMISTRY (80632)**

**Meets requirement, by invitation | sophomore | one credit | full year**

*Prerequisite: Honors Biology with a grade of B or above or Biology with a grade of A and approval of biology teacher*

This course is an introductory chemistry program combining chemical concepts and theories with quantitative problems requiring a mastery of the subject matter. The class utilizes problem-solving and critical thinking skills while relating Chemistry use in other fields and everyday situations. Topics include chemical formulas, the mole, atomic structure, the periodic table, the gas laws, acid-base theory, and other general chemistry principles that would be taught in a college course. The student is also introduced to laboratory techniques and procedures that reinforce the principles taught. This course is recommended for students who have achieved a high level of success in their previous science and math courses.

## **CONCEPTUAL PHYSICS (80913)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: Chemistry*

Conceptual physics is an algebra-based course designed to provide students with the fundamentals of physics. The course includes the study of one-dimensional motion, Newton's Laws, energy, momentum, and electric circuits. Hands-on learning labs will be utilized throughout the course. Emphasis will be placed on developing problem-solving skills as applied to principles and concepts covered in physics. While mathematical skills are necessary, there will be greater focus placed on the conceptual knowledge of physics.

## **PHYSICS (80923)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: Chemistry, Geometry (51822) with a grade of C or above*

Physics will utilize mathematics and investigative science laboratory activities to explore topics such as one/two-dimensional motion, forces and Newton's Laws, work, energy, momentum, and electric circuits. With emphasis on problem-solving techniques, students must have a solid background in algebra and basic trigonometry. This course places emphasis on understanding concepts through hands-on learning activities and labs. This course will serve as a good background for college courses in physics and physical science.

## **AP HONORS PHYSICS I (80935)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: Honors Chemistry with a grade of B or above and Honors Geometry (51832) with a grade of B or above*

AP Physics 1 is an algebra-based, college-level physics course that explores topics such as Newtonian mechanics, work, energy, power, mechanical waves and sound, and basic circuits. Through inquiry-based learning and lab activities, students will develop scientific critical thinking and reasoning skills. The pace of this class will be much quicker and the depth of analysis will be deeper than the other junior-level physics classes. Strong proficiency in trigonometry and Algebra 2 is required.

## **ACC HONORS FORENSIC SCIENCE (81734)**

**Elective | senior | one credit | full year**

*Prerequisite: students must have an A average or higher in their previous science classes, and teacher approval.*

Forensic science is the application of science to the law and involves various scientific disciplines. This course introduces the various methodologies and applications used in forensics. The objectives of the course are to introduce various disciplines and methodologies of forensic sciences, understand the roles of various disciplines in crime investigation, and demonstrate the use of forensic science in actual cases. Problem solving and critical thinking skills will be utilized through the application of science concepts to solve real world problems. Laboratory work that demonstrates the use of forensic science is an integral part of the course. Students may register for 3 hours of ACC credit.

## **AP/ACC HONORS BIOLOGY (81324)**

**Elective, by invitation | senior | one credit | full year**

*Prerequisite: AP Honors Physics or Physics with a grade of A or above and teacher approval*

This AP/ACC Biology course is an in-depth, university-level examination of the sub-organismal levels of biology. Students learn about the chemical and molecular basis of living organisms, cell structure and function, gene structure, expression and heredity, animal anatomy and physiology and animal development. In addition to learning concepts in biology, students practice critical thinking and problem-solving. This course is supported by frequent laboratory activities and formal studies that include experimental approaches used in molecular and cellular biology, genetics, and animal physiology. Students will learn to use scientific instruments and techniques implemented in these fields. Students will propose and test hypotheses, collect and analyze data, represent data visually, and practice written and oral scientific communication skills. The laboratory section of the class is at least 25 percent of the course. Students may take the AP test after taking this course or they may register for 4 hours of ACC credit. The SLU courses covered by this course are BIOL 1240–Principles of Biology I (3 credit hours) and BIOL 1245–Principles of Biology I (1 credit hour). Most of the AP labs or the equivalent will be covered. Note that the primary focus on the course is the ACC curriculum rather than AP.

## **AP HONORS CHEMISTRY (81124)**

**Elective, by invitation | senior | one credit | full year**

*Prerequisite: AP Honors Physics I or Physics with a grade of A or above*

The AP Honors Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students will attain a depth of understanding of fundamentals and competence in dealing with chemical problems. The course is designed to contribute to the development of the student's abilities to think clearly and to express their ideas, orally and in writing with clarity and logic. Students who complete this course will be prepared to take the National Advanced Placement Chemistry test in May.

## **AP HONORS ENVIRONMENTAL SCIENCE\***

\*Taught through Arrupe Virtual Learning Institute

**Elective | senior | one credit | full year**

*Prerequisite: AP Honors Physics I with a grade of B or above, or Physics with A or above, and teacher approval*

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Labs will be coordinated with the student's brick-and-mortar school. In the spring, students will be eligible to take the AP Environmental Science Exam offered by the College Board at their school.

## **AP HONORS PHYSICS C MECHANICS (81225)**

**Elective | senior | one credit | full year**

*Prerequisite: AP Honors Physics I with a grade of B or above, and taking Calculus or AP/ACC Calculus concurrently*

Topics covered include motion, forces, energy, momentum, rotation, gravitation, and oscillation. Students entering this class need to be highly proficient in mathematics. Students who complete this course will be prepared to take the National Advanced Placement Physics test in May.

## **ANATOMY & PHYSIOLOGY (81024)**

**Elective | senior | one credit | full year**

Anatomy & Physiology, designed for students interested in the life sciences, provides a more in-depth study of the various systems of the body and how they function. Study begins at the cellular level and continues through all the body's organ systems. There will be a number of microscope labs and dissections for comparison in the course. Students interested in a basic knowledge of the human body and students pursuing college degrees in science will benefit from the class. The course is highly recommended for students interested in working in the medical field.

## **DIGITAL ELECTRONICS (80534)**

**Elective | senior | one-half credit | one semester**

*Prerequisite: teacher approval*

Digital electronics surround us. Gaming systems, DVRs, and smart phones are just a few items that students use every day that contain digital circuits. This course provides a foundation for students who are interested in electronics. Students learn about topics such as combinational and sequential logic, logic gates, integrated circuits, and programmable logic devices by designing and building digital electronic devices.

## **INTRODUCTION TO COMPETITION ROBOTICS (80235)**

**Elective | freshman, sophomore, junior, senior | one-half credit | full year, after school**

*Prerequisite: teacher approval and commitment to DuRT Robotics season*

Introduction to Competition Robotics will introduce students to all aspects of competitive robotics systems and prepare students for robotics competitions in the spring semester. Content will include introductions to basic concepts of robotic motion, power, and object manipulation as well as a study of how the components and subsystems interrelate to create a working system. In spring semester, students are expected to participate in the FIRST Robotics Challenge as part of the school robotics club (DuRT).

## **INTRODUCTION TO ROBOTICS SYSTEMS (80233)**

**Elective | junior, senior | one-half credit | one semester**

*Prerequisite: teacher approval*

Introduction to Robotics Systems is a one-semester introduction into the mechanisms, electrical systems, and controls of modern robotics systems. Course content will employ group projects to evaluate drive systems, electronics systems, pneumatics systems, and mechanical manipulation through a combination of LEGO Mindstorms, intermediate robotics kits, and other collaborative build systems. No prior robotics or physics experience required. Students will be required to participate in the Clavius Project which will involve spending one afternoon each week teaching the LEGO Mindstorms system at a grade school in the region. Seniors will be able to earn up to 30 hours of their senior service thru the Clavius Project. Go to <http://claviusproject.com/> for further information.

## **ADVANCED ROBOTICS (80236)**

**Elective | junior, senior | one-half credit | fall semester**

*Prerequisite: teacher approval*

Advanced Robotics is a semester-long class that meets during the regular school schedule in the fall. Students will work in groups to master all the necessary disciplines that are utilized, including pneumatics, electronics, drive train mechanics, motors/gears, wiring, safety, and programming. This course will be directly connected with the robotics team as it competes in the FIRST robotics competition at the FRC level.

## **3D DESIGN AND 3D PRINTING (80253)**

**Elective | junior, senior | one-half credit | one semester**

*Prerequisite: teacher approval*

In this course students will study how to use CAD/CAM software to develop 2D and 3D files, as well as different techniques to prepare these design files for printing or machining on a 3D printer or CNC machine. Students will also learn about several different styles of 3D printing technology and other additive manufacturing techniques. This course will also serve as an introduction to engineering, architecture, or product design. Students will use the knowledge and design ability to aid in the completion of engineering design projects during the semester.

# Social Studies Department

Three units (six semesters) of credit in social studies are required for graduation. The required courses include World Studies and American History:

## World Studies

*Sophomore Year:* World Studies or AP Honors World Studies (2 semesters)

## American History

*Junior Year:* Foundations of American Society (1 semester) and America Comes of Age (1 semester) OR AP/ACC Honors American History (2 semesters)

*Senior Year:* Modern American Society (1 semester) required for students that took the Foundations of American Society and America Comes of Age courses. All students will have one or two semesters of Social Studies classes labeled “Meets requirement” that they must take to complete the three required units.

- ACC Honors Modern European History (senior)
- AP/ACC Honors Government Studies (senior)
- ACC Honors International Studies
- Economics (junior and senior)
- Psychology (junior and senior), AP/ACC Honors Psychology (senior),
- Summer courses in social studies labeled “meets requirement”

## WORLD STUDIES (91212)

**Meets requirement | sophomore | one credit**

World Studies focuses on the development of civilizations and peoples in the following areas of the world: Eurasia, Africa, East Asia, South and Southwest Asia, and the Americas. The course will present and familiarize the student with a basic knowledge of significant and recurring historical themes: power, authority and revolution; religious, philosophical, and ethical systems; culture and cultural interaction; social structures; economics; science and technology; and interaction with the environment.

## AP HONORS WORLD STUDIES (91232)

**Meets requirement | sophomore | one credit**

*Prerequisite:* A in English, cumulative GPA of 3.25, and teacher approval

AP Honors World Studies focuses on developing students’ abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. Five themes of equal importance—focusing on the environment, cultures, state-building, economic systems, and social structures—provide areas of historical inquiry for investigation throughout the course. This course encompasses the history of five major geographical regions: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

## **FOUNDATIONS OF AMERICAN SOCIETY: 1603–1840 (90513)**

**Meets requirement | junior | one-half credit | fall semester**

The focus of this course is the origins of American society beginning with the arrival of European colonists in the new world, the founding of the 13 English colonies, and the American Revolution. The historical narrative continues through the Age of Jackson. The course also examines the foundations of American government, the origins of the American political system, the Constitution, and the foundations of separation of powers.

## **AMERICA COMES OF AGE: 1840–1920 (90613)**

**Meets requirement | junior | one-half credit | spring semester**

The second semester begins in the nineteenth century with Manifest Destiny, the Industrial Revolution, the growth of the Federal Judiciary, the evolving presidency, the Civil War, Reconstruction, and the Gilded Age. In the early twentieth century, the course explores the Progressive Era and World War I.

## **MODERN AMERICAN SOCIETY: 1920 TO PRESENT (90724)**

**Required for students who have taken Foundations of American Society (90513) and America Comes of Age (90613) | senior | one-half credit | one semester**

The focus of this class is essentially modern America with a strong emphasis on the American political system. Among the many topics covered are the Roaring Twenties, the Great Depression, World War II, the Cold War, as well as the corresponding presidencies. The course also closely examines the workings of the American government in the twentieth century, with a strong emphasis on the evolving nature of politics.

## **ACC HONORS AMERICAN HISTORY (90423)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: cumulative GPA of 3.25 and teacher approval*

ACC Honors American History is designed to give students a thorough understanding of United States History, requiring students to master historical and analytic skills, including chronological and spatial thinking, historical research, and historical interpretation. The class strives to prepare students to assess historical materials, evaluate relevance and reliability, and deal critically with problems and materials in United States History. The course is equivalent to a full-year introductory college class, thus preparing students for intermediate and advanced college courses. All students enrolled in this course are required to participate in the 1818 program through Saint Louis University.



## **AP HONORS AMERICAN HISTORY (90533)**

**Meets requirement | junior | one credit | full year**

*Prerequisite: cumulative GPA of 3.25 and teacher approval*

Advanced Placement Honors American History is designed to give students a thorough understanding of United States history, requiring students to master historical and analytic skills, including chronological and spatial thinking, historical research, and historical interpretation. The class strives to prepare students to assess historical materials, evaluate relevance and reliability, and deal critically with problems and materials in United States history. The course is equivalent to a full-year introductory college class, thus preparing students for intermediate and advanced college courses. Students have an opportunity to demonstrate content mastery by taking the AP exam in May. All students enrolled in this course are required to take the Advanced Placement exam.

## **ACC HONORS MODERN EUROPEAN HISTORY (90835)**

**Meets requirement | senior | one-half credit | one semester**

*Prerequisite: cumulative GPA of 3.25, received a B+ or higher in previous history courses and teacher approval*

ACC Honors Modern European History focuses on the increasing importance of European affairs and their interactions with the rest of the world. The course will cover the transatlantic encounters, the Protestant and Catholic Reformations, the Scientific Revolution, absolutism, the Enlightenment, the French Revolution, the Industrial Revolution, imperialism, the world wars, totalitarian systems and the new global age.

## **AP/ACC HONORS GOVERNMENT STUDIES (90735)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: cumulative GPA of 3.25, received a B+ or higher in previous history courses and teacher approval*

Advanced government studies is an honors-level course that combines two AP curricula, AP U.S. Government and Politics and AP Comparative Government. The AP U.S. Government and Politics component of the course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. The AP Comparative Government and Politics component of the course is designed to introduce students to a variety of political institutions through examining issues such as citizen participation, governmental organization, the idea of sovereignty and the root of power, public policy, and the ways in which political and economic institutions change. Students will become more familiar with these institutions through examining case studies of Great Britain, Nigeria, Mexico, Iran, China, and Russia. Upon completion of the course in April, students will sit for the exam in AP U.S. Government and Politics and the course AP Comparative Government which are worth 3 college credits each. The class will also be accredited through the 1-8-1-8 program at SLU for a total of 6 credit units. This year long course is designed to have the workload and rigor of a freshman or sophomore level college course.



## **ACC HONORS INTERNATIONAL STUDIES (90614)**

**Meets requirement | senior | one-half credit | one semester**

*Prerequisite: cumulative GPA of 3.25, received a B+ or higher in previous history courses and teacher approval*

International Studies is a one-semester course that aims to explore the nature of modern geopolitics. The course opens with a detailed examination of the Cold War to set the context for the dynamics of the Post-Cold War world. Our examination of the Post-Cold War world begins with a look at globalization and how changes in technology are transforming economies and global power structures. In this section, we will take a close look at modern India and China. Next we turn our attention to the Middle East with particular emphasis on understanding Islam, the Israel-Palestine conflict, and the Arab Spring. Finally, we will explore issues facing developing nations in Latin America and Sub-Saharan Africa.

## **PSYCHOLOGY (90523 & 90514)**

**Meets requirement | junior, senior | one-half credit | one semester**

*Prerequisite: teacher approval*

The primary goal of this course is to introduce the student to the many foundational topics within the discipline of psychology. Topics include adolescence, sex roles, drug-altered states, sleep, sensation, hypnosis, learning, the psychology of the brain, psychological disorders, and intelligence. Along with learning these basic principles and theories of psychology, students will develop the ability to think critically about the relationship between the subject material and their own lives. In doing so, students will be expected to play the role of instructors once throughout the semester, teaching a psychology topic to their peers.

## **AP/ACP HONORS PSYCHOLOGY (90534)**

**Meets requirement | senior | one credit | full year**

*Prerequisite: cumulative GPA of 3.9 or received an A or higher in the previous Psychology course and teacher approval*

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. The course also examines the ethics and methods psychologists use in their science and practice. Students will be encouraged to take the AP exam.

## **ECONOMICS (10313)**

**Meets requirement | junior, senior | one-half credit | one semester**

This one-semester survey course will expose students to the fundamental principles of macro and micro economics. Supply and demand, the role of government, production, and the behavior of firms in different market settings are major topics that will be covered in the course. The course goal is to give students enough information to recognize the significant impact economics has on their world and provide a lens through which to understand that influence.

## **ACP INTRODUCTION TO BUSINESS (10414)**

**Elective | junior, senior | one-half credit | one semester**

This course is an introduction to the business world. Students will learn about most of the major fields of study within business including entrepreneurship, management, human resources, finance, marketing, and operations. The goal is to get students interested in the business world by exposing them to the various fields they could choose to focus on in college.

## **BUSINESS 2: IGNATIAN BUSINESS LEADERS (10424)**

**Elective | senior | one-half credit | one semester**

*Prerequisite: minimum cumulative GPA of 3.5 or received an A in previous business course and teacher approval*

This course expands on basic lessons from Introduction to Business as students work to generate actual monetary profits by working in business. Students will spend time developing a physical product to sell, offering a service for the school, and reselling a variety of items for a profit. Students must have already demonstrated the ability to understand dynamic markets, profitability, supply and demand, as well as creative thinking and strong effort.

## **PERSONAL FINANCE (10114)**

**Elective | junior, senior | one-half credit | one semester**

This course is designed to give juniors and seniors a basic understanding of personal financial issues. Topics covered include: budgeting and money management, home and car loans, credit cards, investing, insurance, IRAs, 401(k)s, and other retirement planning tools.

# Theology Department

The Theology Department of De Smet Jesuit High School offers a four-year required curriculum. Specifically, the curriculum consists of the following:

- A seven-semester program of required courses in which the general scope and sequence, overall goals and objectives, student work load, and student evaluation are basically consistent among teachers at each level.
- A one-semester program of electives in the second semester of the senior year in which specific topics are pursued relative to the Catholic and Jesuit tradition of the school, but with expectations and evaluation tailored to the subjects pursued therein.

This curriculum is designed to:

- inform students about the major elements of the Catholic Faith,
- encourage them to interiorize this faith,
- incorporate their faith into their daily lives, and
- encourage the practical habits of personal prayer and reflection.

Teachers strive to present students with reading material, lectures, classroom activities, and student assignments that are:

- faithful to Church teaching as found in the Catechism of the Catholic Church and other key sources of magisterial teaching,
- appropriate to the developmental stages of adolescent faith,
- consistent with the expectations we have of students in a college preparatory academic program, and
- reflective of Jesuit pedagogical philosophy and traditions.

## **CATHOLICISM & THE JESUITS (70113)**

**Required | freshman | one-half credit each | one semester**

Catholicism & the Jesuits introduces the basic framework for a religious education within the Catholic tradition of De Smet Jesuit High School and to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. The course focuses on Catholic doctrine, the mystery of the Trinity, the person of Jesus Christ, and then St. Ignatius and the Jesuits. Students begin to develop the skills of reflection, prayer, and Catholic literacy.

## **SACRAMENTS & SCRIPTURE (70014)**

**Required | freshman | one-half credit each | one semester**

Sacraments & Scripture builds on Catholicism & The Jesuits to engage students in the study of the sacramental nature of religion, the sacramental nature of a community, and provides an introduction to Scripture. Students continue to develop the skills of reflection, prayer, and Catholic literacy, especially through study of the Sacrament of the Eucharist.

## **SCRIPTURE (71222)**

**Required | sophomore | one-half credit | one semester**

The Scripture course engages students with scriptural lessons of faith while also examining the authorship, history, themes, and literary forms of the Old and New Testaments. Students learn to engage the scriptural texts critically and reflectively—with an emphasis on Jesus Christ as the ultimate Revelation to us from God. Course discussion emphasizes the original context of scripture as well as modern day applications.

## **MORALITY (71232)**

**Required | sophomore | one-half credit | one semester**

The Morality course seeks to answer the question, “How ought a Christian live the Good News of Christ?” Throughout this course, students are challenged to develop critical thinking skills as they examine the foundational principles of moral decision making, human nature, the virtues, and the nature of Christian love, recognizing that only through Christ can they fully live out God’s plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ’s disciples.

## **ECCLESIOLOGY (71523)**

**Required | junior | one-half credit | one semester**

The Ecclesiology course aims to explore the development of the People of Christ, beginning with the disciples at Pentecost and tracking through the major events and changes which led to the Church as the living Body of Christ today in the 21st Century. Through an engagement with the councils, schisms, and global dynamics which impacted the direction and make-up of the Church and its sacred nature, students will seek to understand the stance of today’s Church and explore Her relationship with the denominations, traditions, and other religions of the world.

## **CATHOLIC SOCIAL TEACHING (71513)**

**Required | junior | one-half credit | one semester**

The Catholic Social Teaching course extends the skills and principles developed in the Morality course to examine issues surrounding human rights and the responsibilities of the Christian in the public square. The course explores principles of Catholic Social Teaching and Gospel values to help students respond to critical issues of structural injustice such as poverty, marginalization, conflict resolution, destruction of the environment, race and sexism. It encourages students to integrate the experience of the junior service projects with a lived Christian faith, and challenges juniors to articulate how they have encountered Christ in the poor and marginalized of our society.

## **CONTEMPORARY DISCIPLESHIP (71714)**

**Required | senior | one-half credit | one semester**

Contemporary Discipleship not only provides relevant information on the states of life but also addresses the key developmental tasks of adulthood. The key issues—identity, autonomy, love, and relationships—are approached from the Christian perspective and are foundational to any examination of how to understand the vocations of life: how Christ calls us to live the single life, marriage, religious life, and the ordained ministry—to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

## **CHRIST & FAITH (70714)**

**Meets requirement | senior | one-half credit | one semester**

Christ & Faith is a course in Christian apologetics with a threefold purpose: information, formation, and transformation. This course is designed to assist students in both developing and taking ownership of their faith and value system. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us.

## **IGNATIAN VISION (70814)**

**Meets requirement | senior | one-half credit | one semester**

This course uses Jesuit history and spirituality as a springboard for discussion and reflection on issues facing students as they finish four years of Jesuit education and prepare for their future. The content of this course, while maintaining a focus on Jesuit history and spirituality, is fairly flexible and adjusts to student interest and discussion.

## **ACC WORLD RELIGIONS (70934)**

**Meets requirement | senior | one-half credit | one semester**

ACC World Religions is intended to be a college-level introduction to the history, belief-systems, practices, and divisions of the world's major religions. This class would expand students' view and understanding of the human pursuit of God/the divine and continue to ask them to deal with the existential nature of belief and religious practice. It offers a college level look at the human search for meaning beyond the secular and attempts to establish religious belief at the heart of human fulfillment. (Students may earn 1818 credit through Saint Louis University.)

## **JUNIOR SERVICE PROJECT (70313)**

**Required | junior | one-quarter credit | full year**

As a Jesuit apostolic work, De Smet Jesuit High School shares in the mission of the Society of Jesus: “the service of faith and the promotion of justice.” To this end, the Junior Project program is a required experiential community service project outside of De Smet Jesuit, serving the disadvantaged, the elderly, the economically challenged, the sick, and children and adults with special needs. The program takes place every Monday afternoon from September through May. Afternoon classes are dismissed to provide time for this program. There are weekly peer reflections sessions including journaling and a major capstone reflection project on the experience.

## **SENIOR SERVICE PROJECT**

**Required | senior | one-quarter credit, 50 hours outside of class, noted on student’s transcript**

The Senior Service Project is a 50-hour requirement that the student completes at a location off campus to build on the experience of the Junior Service Project. The focus of the project is rooted in Catholic Social Teaching, specifically, the preferential option for the poor. Students find an organization and that works directly with a marginalized community in order to fulfill this requirement. To seek the meaning and purpose of the service work, the senior keeps a journal in which he logs his experiences as well as reflects upon his experience and how it has helped others, changed him, and helped to bring about the Kingdom of God. The experience is capped by a four-page written reflection of the student’s four years of service - what he has contributed and where, how he has been affected, and what service means to him going forward.

## **THE INSIGNIS CAPSTONE REFLECTION (7000)**

**Required | senior | one-half credit | spring semester**

To complete the final stage of his journey at De Smet Jesuit, each senior will make an Insignis presentation. This graded presentation is a formal reflection and assessment of his De Smet Jesuit experience. The framework for this personal, individual, unique reflection will be the six elements of the Graduate at Graduation Profile. Before a panel of three, composed of two teachers and a staff member or possibly a member of the Board of Trustees, the senior will articulate his experience at De Smet Jesuit through the lens of the “Grad-at-Grad”—what have his experiences been in relation to each of these characteristics and how has he grown as a result of these experiences. For a school that believes so highly in the value of reflection, the Insignis presentation is a fitting culmination to a student’s education at De Smet Jesuit High School.

# World Languages Department

## **CHINESE I (40711)**

**Meets requirement | freshman | one credit | full year**

This course is an introduction to Mandarin Chinese and to Chinese culture. Study will include basic language patterns using typical settings such as greetings, family, dates and time, hobbies, visiting friends, lifestyles, and various topics highlighting Chinese culture. The student will learn elementary skills in listening, speaking, reading, and writing by using both the Pinyin phonetic system and simplified Chinese characters. Students will be introduced to 300 characters and engage in simple conversation using these characters. At the end of this level, students will have acquired the following language skills: asking and answering questions, narrating events, describing likes and dislikes, making short oral presentations in Chinese, and engaging in short reading and writing activities.

## **ACP CHINESE 2 (40722)**

**Meets requirement | sophomore | one credit | full year**

This course will continue to expand on Chinese 1 and focus on improving proficiency in listening, speaking, reading, and writing skills. Students will refine their speaking and listening skills as well as increase their vocabulary. Study will include making appointments, studying, school life, shopping and transportation. Students will also develop further appreciation and understanding of Chinese culture.

## **ACP HONORS CHINESE 3 (40733)**

**Elective | junior | one credit | full year**

*Prerequisite: students must earn a B+ or higher in Chinese 2 or teacher approval*

Chinese 3 will progressively transition into more intricate sentence structures while continuing to expand and build on vocabulary and knowledge of grammar. Students will continue to refine their speaking and comprehension skills using dialogue drawn from common daily activities. They will continue to improve their reading and writing skills to reduce the use of English during class work and assignments. Study and discussion topics will include weather, dining, directions, doctor's visits, etc. Students will also develop further appreciation and understanding of Chinese culture.

## **ACP HONORS CHINESE 4 (40734)**

**Elective | senior | one credit | full year**

*Prerequisite: students must earn a B+ or higher in Chinese 3 or teacher approval*

Chinese 4 will continue to provide students with opportunities to demonstrate their proficiency in the Intermediate-Low to Intermediate-Mid level as described on the ACTFL performance scale. Students will be able to handle a variety of basic communicative tasks in a variety of social situations. The emphasis is to improve conversational skills to a dialogue level and improve the ability to understand sentence-length utterances that consist of a recombination of learned elements from certain content areas, and to continue a dialogue based on that understanding. Students will also be able to read certain passages of authentic material and be able to identify the primary ideas. Students will perform a variety

of practical writing tasks such as writing short messages, postcards and simple letters. Chinese 4 will provide further insight into Chinese culture, customs and ideology.

### **LATIN I (40521)**

**Meets requirement | freshman | one credit | full year**

First year Latin emphasizes basic vocabulary and the grammatical form of nouns and adjectives, the uses of the cases, verbs, and pronouns. There are internet practice activities for additional drills in grammar and vocabulary. Students will translate Latin stories, which tell tales of Roman life, culture and mythology. English words derived from Latin are studied to expand the student's English vocabulary.

### **LATIN 2 (40522)**

**Meets requirement | sophomore | one credit | full year**

Second year Latin continues focusing on vocabulary and grammar. By the end of the second year, all grammatical constructions usually presented in a beginning two-year program will have been covered, including all verb tenses in the active and passive voice, participles, usage of noun cases, pronouns and special adjectives. Students will progress to translating more difficult stories based on Roman history and daily life. Mythology study continues with students researching and reporting on additional Greek and Roman myths.

### **ACC HONORS LATIN 3 (40533)**

**Elective | junior | one credit | full year**

*Prerequisite: students must earn a B+ or higher in Latin 2 or teacher approval*

Third year Latin begins with a review of all nouns, verbs, and verbals covered during the first two years. Students will expand their knowledge of Latin grammar by studying the subjunctive mood and complex intricacies of the Latin language. By the end of the third year, students will have learned the majority of Latin grammar needed to begin study of the Roman authors. Students are now translating Latin authors in slightly edited form. They will read selections from Horace. Students have the option to enroll for one semester (3 credits) of college credit through St. Louis University.

### **ACC HONORS LATIN 4 (40534)**

**Elective | senior | one credit | full year**

*Prerequisite: students must earn a B+ or higher in Latin 3 or teacher approval*

The traditional fourth year Latin content is prose and poetry of the Golden Age. Students will read selections from Caesar's "De Bello Gallico" and various selections from Cicero's writings. Students will pay special attention to the politics of the late Republic. Students will also read excerpts from Virgil's "Aeneid," and they will investigate and discuss Virgil's portrayal of Dido and Aeneas. Finally, students will read selections from Catullus and Ovid. They will compare lyric poetry to epic poetry and learn to scan poetry in a number of meters. By the end of the year students will have studied a wide range of Latin literature, history, and culture, and they will have learned how to apply Latin roots to new English words. Students have the option to enroll for two semesters (6 credits) of college credit through St. Louis University.



## **SPANISH I (40621)**

**Meets requirement | freshman | one credit | full year**

Spanish 1 provides an introduction to the language and culture of the contemporary Spanish-speaking world. Lessons are organized to reflect the goals set by the national standards for learning foreign languages. Proficiency is gained in the areas of listening, speaking, reading, and writing, with an overall emphasis on communication skills.

The textbook and ancillary materials use an integrated approach to language learning. The introduction and reinforcement of new material takes place in class and through the textbook publisher's website and Conjuguemos. Evaluation, review, exercises, and activities in the course are designed to span all four language skills (listening, speaking, reading, and writing). Cultural awareness is integrated through textbook readings and chapter DVDs about people and places in Latin America and Spain. By means of oral practice in pairs or groups, the students discuss relevant themes and learn to express themselves in Spanish. The mechanics of reading and writing are acquired through daily written assignments. Proper habits of studying and learning foreign language are acquired through carefully prepared homework and error correction.

## **SPANISH 2 (40822) (A)**

**Meets requirement | sophomore | one credit | full year**

Spanish 2 reinforces the language skills taught during Spanish 1 (listening, speaking, reading, writing and culture) while introducing new vocabulary, grammar, and cultural materials. Lessons are organized to reflect the goals set by the national standards for the learning of foreign languages. Practice activities include reading and discussing textbook passages, guided viewing of videos, and enactments of typical situations. Writing assignments allow students to use increasingly complex grammar and new vocabulary while building on previously learned material. Listening comprehension and listening skills are developed through taped exercises, music, and media presentation of native speakers. Cultural awareness is increased through readings, discussions, and comparisons of Spanish language and customs with those of other cultures. The amount of Spanish used to conduct the class is increased as the year progresses. Students are prepared for travel and interaction with native speakers. Practice is provided through online assignments in eStudio and through the Glencoe.com website.

## **SPANISH 3 (41013)**

**Elective | junior | one credit | full year**

*Prerequisite: students must earn a C+ or higher in Spanish 2 or teacher approval.*

This course is designed for students who have completed the second-year Spanish course with a C+ average and who want to continue the study of Spanish. This course will continue the study of verb tenses and grammar, but will place most emphasis on producing speech, conversations, and interactions in practical, everyday situations. Students will also enhance their reading skills in the target language by way of short stories and news articles. Exposure to various cultural traditions and perspectives of Spanish-speaking countries continues from Spanish 2, but students will now learn to compare and contrast these traditions with their own, as well as talk about them in Spanish. Supplementary materials consist of songs, articles, interactive websites, and films. Students completing this course will not be eligible to take ACC Honors Spanish 4.

### **ACC HONORS SPANISH 3 (41033)**

**Elective | junior | one credit | full year**

*Prerequisite: students must earn an A in Spanish 2 or teacher approval*

Spanish 3 lessons are designed to reflect the national standards set forth by the American Council on the Teaching of Foreign Languages (ACTFL). The course consists of the study of advanced grammar and composition. There is more emphasis on reading and discussing topics of interest in the target language. Grammar and verb tenses continue to be taught and reviewed throughout the year. Emphasis will be placed on communicative skills: interpersonal, interpretive and presentational. The students will utilize interactive online activities to reinforce previous knowledge learned. In the fall semester, the students can be dually enrolled to obtain advanced college credit through SLU-Communicating in Spanish I (SPAN-1010).

### **SPANISH 4 (41014)**

**Elective | senior | one credit | full year**

*Prerequisite: students must earn a C+ in Spanish 3 or teacher approval*

In this course students will continue the study of grammar involving more complex verb tenses. Emphasis is placed on utilizing these grammar structures in everyday situations. Students will be introduced to more literary works in the Spanish language in addition to learning and discovering the history of the authors and countries from which they were produced. Students will discuss cultural traditions of the Spanish-speaking world and compare and contrast them to their own, as well as learn to develop, present and defend their opinions in Spanish. Students will be assessed using a variety of presentations, projects, role-playing, and written work. Supplementary materials consist of songs, articles, interactive websites, and films.

### **ACC HONORS SPANISH 4 (41034)**

**Elective | senior | one credit | full year**

*Prerequisite: students must earn a B+ in Honors Spanish 3 and teacher approval*

In this course, students will study the culture and civilization of Spain and Latin America through literary works. The students will expand their communication skills following the guidelines set forth by the national standards of the American Council on the Teaching of Foreign Languages. During the first semester, students continue a review of advanced grammar through exercises in oral skills and reading selections. Films, internet articles, and readings serve as supplementary materials. Students are expected to discuss the content in Spanish. Short compositions in which the students apply advanced structures are frequently assigned. The students also will use the interactive activities in the online textbook. The students may dually enroll to obtain college credit through SLU-Communicating in Spanish II (SPAN-1020) and Intermediate Spanish: Language and Culture (SPAN-2010).

## **AP HONORS SPANISH 5: LANGUAGE AND CULTURE\***

\*Taught through Arrupe Virtual Learning Institute

**Elective | senior | one credit | full year**

*Prerequisite: students must earn a B+ in Honors Spanish 4 or teacher approval*

For the 20-21 school year AP Spanish will be taught online through the Arrupe Virtual Learning Institute. A faculty mentor will be provided for students in the online course. Following the College Board curriculum, this course is “designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing — and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish.”

# Magis Institute for Inquiry and Innovation

The Magis Institute for Inquiry and Innovation is a pilot program at De Smet Jesuit to focus the school's educational efforts on our strategic goals to empower, innovate with, and embrace our students. The strategic plan recognizes the reality that we are experiencing a paradigm shift in Jesuit secondary education. Technology is allowing students to learn through hands-on, real-world situations on an unprecedented scale. Collaboration and creativity are driving innovation that is changing the face of the workplace. While traditional college preparatory curriculum forms a strong core to build content and skills, we also recognize a need for a peripheral space where ideas can germinate about our future. The Institute is a new way of looking at school where student passion and rigor collide.

The Magis Institute provides the overarching structure, offering diverse individual centers that reflect student passions and promote the mission of the Society of Jesus. The Institute provides courses of study and programs—always voluntary—for deep learning in a particular area. As the Institute evolves, certificates will be awarded to students who complete a particular path in their learning.

## *Mission and Objectives*

The mission of the Magis Institute for Inquiry and Innovation is to inspire and prepare men to transform the world through collaborative, hands-on, real-world, globalized and personalized experiences that embrace empathy, innovation, imagination, and ideation.

The objective of the Institute is to enable students to experience one or more of the following:

- Use technological resources to facilitate creative solutions to solve complex problems.
- Communicate effectively in a variety of media.
- Collaborate effectively with other students and outside experts both locally and globally.
- Develop confidence and resilience through failure.
- Empathize with others and celebrate difference in a multicultural context.
- Integrate the Jesuit mission of the “service of faith and the promotion of justice” into work on innovation and imagination.
- Set individual work in a global context.

## **MENTORED STUDY PATH OPTION (70006)**

**Elective | junior, senior | one-half credit | one semester**

Students have the opportunity to explore a passion in a number of different modes with a teacher as a mentor or guide. Students may accomplish one of the following possible outcomes:

- Produce a real-world product (e.g., video, graphic design, social media campaign, publication, new business, device, etc.).
- Construct an independent study to delve deep into an interest.
- Present a challenging problem and offer possible solutions.

- Design an individual course for school credit.
- Complete a capstone project.
- Take an online course.
- Complete a project in the community with a collaborative group of students.
- Prototype, tinker, and otherwise develop personal projects outside the classroom setting.

#### *Requirements for Credit Proposals*

While any student can participate in the Institute for enrichment, the following requirements must be fulfilled in order to receive course credit.

- Plan for working at least 66 hours of work and journal documenting work completed.
- Achieve at least 5-7 major learning outcomes based on a particular department's course objectives or based on the Graduate at Graduation profile.
- Complete final summative project with scoring rubric based on learning outcomes.
- Receive approval by Assistant Principal for Academics.

#### *Process and Timeline*

- Late February - Early March: Students submit project proposals to the Assistant Principal during the time students are selecting courses. The Assistant Principal will give tentative approval by signing the course selection sheet.
- Mid-March: Selection group meets to vet, combine, or refine student project proposals.
- Late March: The Assistant Principal identifies mentors.
- Summer: The Assistant Principal gathers initial resources: academic, human, and technological.
- Fall/spring semester – Students conduct weekly meetings with their mentor and report progress on a regular basis, such as via a bi-weekly blog post.

### **ONLINE COURSE OPTION (70006)**

**Elective, can meet requirement with approval | junior, senior | one-half, one credit | one semester, full year**

Online courses are available through the Arrupe Virtual Learning Institute to allow students to take courses not offered at De Smet Jesuit High School. This year three courses are listed in the De Smet Jesuit Academic Curriculum Guide, but other courses can be approved. Typically courses beyond the level of our curriculum can be taken to fulfill graduation requirements (for example, AP BC Calculus as a fourth unit of math). Other courses offered through the AVLI can be as an elective course in a student's schedule.

AVLI course requests require approval from the Assistant Principal for Academics. AVLI courses will be shown on transcripts and used in GPA calculations. There may also be additional AP testing fees.

Please view the online copy of AVLI guidelines and the current AVLI Course Catalog at <https://www.arrupevirtual.org/student-coursework>. Students should research the content and requirements of these courses before committing to enrollment. Please reference the College Board Advance Placement website for details.

### *Course Prerequisites*

Students must demonstrate strong academic skills in the content area of course requested. PLAN and PSAT scores along with grade point average are factors in determining approval for a AVLI online course. Students should consider how many other honors and AP classes they are enrolling in as well as time commitments for current course load and student activities such as clubs and sports to determine if an online course is manageable.

Caution: managing an online course is different than a traditional classroom course. It does not meet regularly, it has threaded virtual communication, and it is paced to deadlines. Consequently, students taking courses through the AVLI will be required to check in with the online course coordinator once a week to receive course credit.

## **GLOBAL ENGAGEMENT AND SOLIDARITY CERTIFICATE PROGRAM**

A De Smet Jesuit student whose passion and interests lie in acquiring and exploring a greater understanding of the world may pursue a course of study that culminates in the awarding of the Global Engagement and Solidarity Certificate. The certificate recognizes academic, extracurricular, and experiential studies focused on fulfilling the mission of the school in educating men for and with others who will transform the world for the greater glory of God.

### *Certificate Program Requirements*

The student will work with the Director of Global Education, his counselor, and the Assistant Principal for Academics, to discuss exposure to a variety of content and experiences that will enable him to fulfill the following requirements:

- Foreign language study through the fourth level (students pursuing two languages should speak with the Director of Global Education regarding credit toward the certificate). Students may choose from the Chinese, Latin, or Spanish courses offered as described in the world languages section in this curriculum guide.
- At least three semester-long courses (a minimum of 1½ credits) to be selected from the list below of Global Engagement approved courses.
- Significant and ongoing contribution to one of the school's extracurricular groups having an international, multicultural, or environmental focus.
- A two-week or longer off-campus international program. The school's international programs are designed to be used to fulfill this requirement, though approved individual programs may also receive credit.
- An objective inclusion of their global experiences into their Insignis project and presentation and cumulative college paper to be drafted and shared. The nature and form of this project must be approved by the Director of Global Education.

Students who wish to pursue the Global Engagement and Solidarity Certificate should identify themselves to the Director of Global Education as early in their De Smet Jesuit career as possible, but no later than the first semester of junior year. The Director, along with a student's counselor and the Assistant Principal for Academics, will assist students in creating an academic plan, along with

extracurricular activities, the student's off-campus experience, and the presentation/project/paper requirement to facilitate earning the certificate.

## **GLOBAL ENGAGEMENT COURSES**

*(student must complete a minimum of 3 semester courses)*

### **Junior**

Public Speaking (1)

### **Senior**

English 4:ACC Irish Literature (1)

English 4: Literary Analysis of Storytelling (1)

Public Speaking (1)

ACC Honors International Studies\* (1)

ACC Honors Modern European History\* (1)

Ignatian Vision (1)

*\*Indicates courses that are offered for college credit as either AP, 1818 ACC, or ACP.*

# Summer Course Offerings

## **HONORS MODERN EUROPEAN HISTORY (90835)**

**Meets social studies requirement | junior, senior | one-half credit**

Modern European History focuses on the increasing importance of European affairs and their interactions with the rest of the world. The course covers transatlantic encounters, the Protestant and Catholic Reformations, the Scientific Revolution, Absolutism, the Enlightenment, the French Revolution, the Industrial Revolution, imperialism, the world wars, totalitarian systems, and the new global age.

## **LIFETIME ACTIVITIES (60234)**

**Meets PE requirement | junior, senior | one-half credit**

Lifetime Activities is a one-semester summer course offered at De Smet Jesuit High School. It is designed to offer a higher level of ability and more instruction in a variety of individual and team activities. The curriculum provides various offerings to meet the individual needs of all students and to develop skill in a variety of activities. Examples of activities include volleyball, basketball, baseball, golf, walking, jogging, soccer, tennis, flag football, corn hole, frisbee golf, and slow pitch softball. Assigned reading and writing assignments that increase the physical education experience and contribute to the literacy of students will be included.

## **THE CIVIL WAR**

**Meets social studies requirement | junior, senior | one-half credit**

This course will provide the student with an opportunity to study the American Civil War on an intensive level not available during the regular school year. This course will cover many diverse aspects of the conflict including: the causes, major battles and campaigns, the home-front, battlefield medicine, weapons and tactics, civil war prisons. A special emphasis on Missouri in the Civil War will be included as well. The course will be taught using a mix of innovative techniques including power point presentations, guest speakers, day trips to local sites of historical interest and individual and small group projects.



