



## [GSSM Course Offerings for 2022-2023](#)

The GSSM Course Schedule is a resource for students, faculty, and staff to find which courses will be offered in the coming academic year. This schedule should be used with the [GSSM Course Catalog](#), which has much more information about GSSM academics.

As you read through the course offerings be sure to consider the following elements:

- 1] Number of semesters. Some courses, like CSC 230 Data Structures and Algorithms, are one-semester courses. Others, like ASL101 Introduction to American Sign Language 1, are year-long courses. Yet other courses, like CHE 201 and 202 AP Chemistry, are two-semester course sequences.
- 2] Level of the course. Some courses, like BIO 202 AP Biology, are AP courses. These are clearly marked with the letters "AP" after the course numbers. Other courses, like SPA 703 Topics in Hispanic Culture and Linguistics, are listed as "Above AP". Above AP means that the course requires an AP course as a prerequisite or there is no AP course sanctioned by College Board in that area. Some courses, like ECON 210 Principles of Economics. Macroeconomics, are listed as "Dual Credit". Any course not designated as AP, Above AP, or Dual Credit, is at the honors level. An example of an honors level course is MUS110 Chamber Orchestra 1.
- 3] Prerequisites. Some courses are only available to students who have taken other courses previously. Make sure you check the course descriptions in the GSSM Course Catalog, which lists pre- or co-requisites for all courses, to see if you are allowed to take a course. If you haven't met the prerequisites, you won't be allowed to take the course.
- 3] Course format (in-person/virtual]. Most courses are offered live in-person. However, some courses are offered in other formats. Any course offered in a different format will be designated appropriately. For example. ENGIN 209 Biomedical Engineering is listed as a virtual course.



## GSSM Course Offerings by Academic Department and Semester 2022-2023

### American Sign Language (ASL)

Fall	Spring
101 Introduction to American Sign Language I: year-long (Virtual Synchronous Course)	
201 Introduction to American Sign Language II: year-long (Virtual Synchronous Course)	

### Biology (BIO)

Fall	Spring
202 AP Biology	201 AP Biology
303 Molecular Biology AP) (above	305 Introduction to Microbiology AP) (above
304 Human Anatomy and Physiology (above AP)	306 Neuroscience AP) (above
309 Biological Evolution (above AP)	307 Advanced Genetics AP) (above
	308 Botany

### Chemistry (CHE)

Fall	Spring
100 Principles of Chemistry: year-long	
201 AP Chemistry	202 AP Chemistry
203 DE Chemistry (dual credit with FMU)	204 DE Chemistry FMU) (dual credit with
300 Introduction to Organic and Biochemistry (above AP)	150 Molecular Spectroscopy
304 Analytical Chemistry (above AP)	300 Introduction to Organic and Biochemistry (above AP)
401 Research in Microwave Spectroscopy	306 Computational Chemistry (above AP)
403 Research in Computational Drug Design	308 Introduction to Inorganic Chemistry (above AP)

### Chinese (CHI)

Fall	Spring
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101 Introduction to Chinese I	<i>(dual credit with Coker)</i>	102 Introduction to Chinese II	<i>(dual credit with Coker)</i>
201 Intermediate Chinese III	<i>(dual credit with Coker)</i>	202 Intermediate Chinese IV	<i>(dual credit with Coker)</i>

### Computer Science (CSC)

Fall	Spring
101 AP Introduction to Computer Science	102 AP Advanced Computer Programming
110 Computer Science I: Python for Scientist <i>(dual credit with Coker)</i>	110 Computer Science I: Python for Scientist <i>(dual credit with Coker)</i>
220 Interactive Visual Programming using Processing	160 Introduction to Computer Networking
230 Data Structures and Algorithms	202 Game Design, Prototyping and Production
270 Introduction to Database Design	230 Data Structures and Algorithms
311 Computer Science II: C++ Applications <i>(dual credit with Coker)</i>	340 Introduction of Artificial Intelligence

### Engineering (ENGIN)

Fall	Spring
102 Engineering Disciplines and Skills <i>(dual credit with Coker)</i>	102 Engineering Disciplines and Skills <i>(dual credit with Coker)</i>
141 Computer Programming 1 with MATLAB <i>(dual credit with Coker)</i>	141 Computer Programming 1 with MATLAB <i>(dual credit with Coker)</i>
205 Applications of Engineering Design	207 Engineering: Electronics
CSC 402 Robotics	208 Engineering Design and Modeling <i>(dual credit with Coker)</i>
	209 Biomedical Engineering <sup>1</sup> (virtual course)
	210 Engineering: Product Design (Project Design)
401 Engineering Research in Multimodal Transportation Systems (year-long – 1.0 unit)	

<sup>1</sup> ENGIN 209 and 212 are taught online with periodic live instruction via the GSSM Accelerate Program

### English (ENG) Note: All GSSM Juniors take English 111 and English 112

#### Junior English

Fall	Spring
111 English Composition and Rhetoric I <i>(dual credit with Coker)</i>	112 English Composition and Rhetoric II <i>(dual credit with Coker)</i>

#### Senior English

Fall	Spring
205 The Major Forms of Literature <i>(dual credit with FMU)</i> (FMU ENG 250 Introduction to Literature)	201 Creative Writing <i>(dual credit with FMU)</i> (FMU ENG 252 Reading and Writing Fiction, Drama, and Poetry)

*English Electives*

Fall	Spring
215D Writing in STEM <i>(dual credit with Coker)</i>	304 Introduction to Film
306 African American Literature	305 Studies in Creative Writing: Fiction
307 Studies in Creative Writing: Nonfiction	310 Gender Studies
309 Topics in Science Fiction: Literature	312 Shakespeare

**French (FRE)**

Fall	Spring
	101 French I: year-long
	201 French II: year-long
	301 French III: year-long
	401 French IV: year-long
	601 AP French: year-long

**General Science (SCI)**

Fall	Spring
PHY 100 Physics in the Arts	PHY 210 Astronomy
SCI 301 AP Environmental Science	

**German (GER)**

Fall	Spring
	200 German II: year-long
	300 German III: year-long

**Government, Economics and Finance (HIS, ECON & EFI)**

Fall	Spring
HIS 201 Government/Economics <sup>1</sup> also available summer (mid-June to end of July) and interim	HIS 201 Government/Economics <sup>1</sup> also available summer (mid-June to end of July) and interim
HIS 202 AP US Government	HIS 203 AP Comparative Governments



ECON 211 Principles of Economics: Microeconomics <i>(dual credit with FMU)</i> (virtual synchronous course)	ECON 210 Principles of Economics: Macroeconomics <i>(dual credit with FMU)</i> (virtual synchronous course)
EFI 301 Technology Ventures	EFI 303 Quantitative Financial Analysis (odd years only)

### History (HIS)

Fall	Spring
101 AP US History	
302 Colonial Latin America (even years only)	309 Civil War and Reconstruction (odd years only)
306 Ethics, Beauty, & the Environment (even years only)	313 The Sizzling Sixties (odd years only)

**Mathematics (MAT) Note: Juniors are placed in their math classes by placement.**

	Fall	Spring
Pre-Calculus Sequences	101 Essentials for Calculus: year-long	
	102 Foundations 1 for Calculus	103 Foundations 2 for Calculus
	111 Concepts 1 for Calculus	112 Concepts 2 for Calculus
Calculus Sequences	200 Calculus with Applications: year-long (Seniors only)	
	230 Prep for DE Calculus I	231 Calculus I <i>(dual credit with Coker)</i>
	231 Calculus I <i>(dual credit with Coker)</i>	232 Calculus II <i>(dual credit with Coker)</i>
Upper Level Electives	304 AP Probability and Statistics	305 AP Applied Statistics
	232 Calculus II (pre-requisite 230/231 sequence) <i>(dual credit with Coker)</i>	302 Abstract Algebra (above AP)
	301 Linear Algebra	312 Ordinary Differential Equations (above AP)

### Music (MUS)

Fall	Spring
110 Chamber Orchestra 1	110 Chamber Orchestra 1
111 Chamber Orchestra 2	111 Chamber Orchestra 2
120 Concert Choir 1	120 Concert Choir 1
121 Concert Choir 2	121 Concert Choir 2
210 Chamber Orchestra 3	210 Chamber Orchestra 3



211 Chamber Orchestra 4	211 Chamber Orchestra 4
220 Concert Choir 3	220 Concert Choir 3
221 Concert Choir 4	221 Concert Choir 4
301 AP Music Theory: year-long	

**Physics (PHY)**

Fall	Spring
161 General Physics I <i>(dual credit with FMU)</i>	162 General Physics II <i>(dual credit with FMU)</i>
201 AP Physics C: Mechanics	202 AP Physics C: EM
301 Modern Physics <i>(above AP)</i>	203 Fluids, Thermo and Optics

**Psychology (PSY)**

Fall	Spring
	301 AP Psychology

**Research & Inquiry (RES)**

Fall	Spring
401 Mentored Summer Research <i>(above AP)</i> <i>(includes summer)</i>	LLS 107 Preparing for Research Experiences
ENGIN 401 Research in Multimodal Transportation Systems: year-long	
CHE 401 Research in Microwave Spectroscopy	
CHE 403 Research in Computational Drug Design	MAT 403 Research in Computer Assisted Proof Writing
410 Advanced Research & Inquiry Communication	

**Spanish (SPA)**

Fall	Spring
201 Spanish II: year-long	
301 Spanish III: year-long	
401 Spanish IV: year-long	
601 AP Spanish: year-long	
704 Advanced Spanish Studies <i>(above AP)</i>	703 Topics in Hispanic Culture and Linguistics <i>(above AP)</i>

**Virtual Electives (ENGIN)**

Fall	Spring
212 Mechanical and Aerospace Engineering	209 Biomedical Engineering
	212 Mechanical and Aerospace Engineering

**Visual Arts (ART) <sup>1</sup>**

Fall	Spring
110 Introduction to Ceramics	110 Introduction to Ceramics
111 Advanced Ceramics	111 Advanced Ceramics
120 2D Art Exploration	120 2D Art Exploration
121 Advanced 2D Art Exploration	121 Advanced 2D Art Exploration
301 AP Art History	

1. These classes will be reserved first for students who need an art credit to graduate.

[GSSM students are automatically registered for the following seminars:](#)

**Junior Seminar Series (LLS)**

Fall	Spring
101 Life and Leisure Skills	103 College Planning Seminar I
102 Academic Transition	105 Everyday Survival Skills
	106 Public Speaking
	107 Preparing for Research Experiences

**Senior Seminar Series (LLS)**

Fall	Spring
104 College Planning Seminar II	