

Science Course Flowchart

Freshman	Sophomore	Junior	Senior
Biology	Physical Science	Earth/Environmental Science	
Biology	Physical Science	Chemistry	Earth/Environmental Science or Anatomy & Physiology or AP Biology or AP Chemistry or Physics
Biology	Chemistry	Earth/Environmental Science or Anatomy & Physiology or AP Biology or AP Chemistry or Physics**	
Advanced Biology	Chemistry or Honors Chemistry	Earth/Environmental Science or Anatomy & Physiology or AP Biology or AP Chemistry or Physics**	

Teacher recommendation is required for all courses.

**AP Physics is open to any student who has successfully completed Physics and/or AP Calculus
 Students who have successfully completed Chemistry may take any combination of Junior/Senior Courses listed concurrently.

Business Course Flowchart

Freshman	Sophomore	Junior	Senior
Intro to Technology*	Accounting*	Personal Finance	Personal Finance
	Economics* (Meets graduation requirement)	Business Mgt. (Entrepreneurship)	Business Mgt. (Entrepreneurship)
	Personal Finance*	Accounting	Accounting
	*Business Mgt. (Entrepreneurship)	Economics (Meets Social Studies graduation requirement)	Economics (Meets Social Studies graduation requirement)

* Elective courses can begin to be taken in this year or any subsequent year after.
 If the course is not listed in Freshman year, it is not recommended to be taken in this year.

Math Course Flowchart

Freshman	Sophomore	Junior	Senior
Pre - Algebra	Algebra 1	Geometry	Intermediate Algebra Or Algebra 2
Algebra 1	Geometry	Intermediate Algebra Or Algebra 2	Beginning College Algebra Or PreCalculus w/Trig Or Honors PreCalculus w/Trig
Geometry	Algebra 2	Beginning College Algebra Or PreCalculus w/Trig Or Honors PreCalculus w/Trig	PreCalculus w/Trig Or AP Statistics Or AP/ Dual Enrollment Calculus
Algebra 2	PreCalculus w/Trig or Honors PreCalculus w/Trig	AP Calculus	AP Statistics Or AP/ Dual Enrollment Calculus

Students may take the following classes concurrently: Algebra 1 & Geometry;
 Geometry & Algebra 2;
 Honors Pre-Calc & AP Statistics (senior year); AP Calculus & AP Statistics (senior
 year). **Teacher Recommendation is required for all courses.**

Social Studies Course Flowchart

Freshman	Sophomore	Junior	Senior
	World History	American History	American Government
	AP World History: Modern	AP US History	AP US Government and Politics
Elective - Geography	Elective - Geography, Psychology, Sociology, Criminal Justice, Economics	Elective - Geography, Psychology, Sociology, Criminal Justice, Economics	Elective - Geography, Psychology, Sociology, Criminal Justice, Economics

* Students are required to have 3 Credits of Social Studies for graduation.

Music/Theater Course Flowchart

Freshman	Sophomore	Junior	Senior
Acting 1 Acting 2	Acting 1 Acting 2	Acting 1 Acting 2	Acting 1 Acting 2 Directing
Musical Theatre History, Tap Dance, Theatrical Production and Design	Musical Theatre History, Tap Dance, Theatrical Production and Design	Musical Theatre History, Tap Dance, Theatrical Production and Design	Musical Theatre History, Tap Dance, Theatrical Production and Design
Concert Choir, Advanced Vocal Technique	Concert Choir, Advanced Vocal Technique	Concert Choir, Advanced Vocal Technique	Concert Choir, Advanced Vocal Technique
Concert Band, Jazz Band, Percussion Ensemble	Concert Band, Jazz Band, Percussion Ensemble	Concert Band, Jazz Band, Percussion Ensemble	Concert Band, Jazz Band, Percussion Ensemble

English Course Flowchart

Freshman	Sophomore	Junior	Senior
English 1 Fundamentals - 111	English 2 Fundamentals - 121	English 3 - 130	English 4 - 140
English 1 - 110	English 2 - 120	Honors English 3 - 132	AP English 4 - 142
Advanced English 1 - 112	Honors English 2 - 122		

Visual Arts Course Flowchart

Freshman	Sophomore	Junior	Senior
Intro to Art	Intro to Design Contemporary Art Painting Drawing	Intro to Design Contemporary Art Painting Drawing	Intro to Design Contemporary Art Painting Drawing Studio Art
Pottery 1	Pottery 2	Pottery 3	Studio Art

Theology Course Flowchart

Freshman	Sophomore	Junior	Senior
Theology 101	Theology 102	Theology 103	Theology 104
Marianist Mission Hours	<p>The Gross Catholic Marianist Mission Program promotes and creates leaders in the Marianist tradition. Students are educated for service, justice and peace by offering their time and talents in service to God and others. The Marianist Mission Program promotes growth in discipleship and responsibility while encouraging students to become active Christian leaders who help transform our community. These stated objectives support the 5 Characteristics of a Marianist Education:</p> <ol style="list-style-type: none"> 1. Educating for Formation in Faith. 2. Providing an Integral, Quality Education. 3. Educating in Family Spirit. 4. Educating for Service, Justice, Peace and the Integrity of Creation. 5. Educating for Adaptation and Change. <p style="text-align: center;">Each Gross Catholic student is required to complete a minimum n Marianist Mission Program hours each year. However, our current situation finds us in a position to "Educate for Adaptation and Change."</p>		

Physical Education Course Flowchart

Freshman	Sophomore	Junior	Senior
PE/Health	Team and Individual Sports	Team and Individual Sports 1 Team and Individual Sports 2	Team and Individual Sports 1 Team and Individual Sports 2
Intro to Strength & Conditioning	Strength and Conditioning	Advanced Strength and Conditioning	Advanced Strength and Conditioning
		Sports Medicine 1 Sports Medicine 2 *Prevention and Care of Athletic Injuries	Sports Medicine 1 Sports Medicine 2 *Prevention and Care of Athletic Injuries

World Language Course Flowchart

Freshman	Sophomore	Junior	Senior
	Spanish 1	Spanish 2	Spanish 3*
Spanish 1	Spanish 2	Spanish 3*	Spanish 4*
Spanish 2 (Spanish 1 courses taken in junior high or heritage language speaker)	Spanish 3*	Spanish 4*	AP Spanish 5*
French 1 (Online through Metro CC/Dual Enrollment)	French 2 (Online through Metro CC/Dual Enrollment)	French 3 (Online through Metro CC/Dual Enrollment)	French 4 (Online through Metro CC/Dual Enrollment)

Denotes elective courses. Teacher Recommendation is required for all courses.

STREAM Course Flowchart

Freshman	Sophomore	Junior	Senior
Engineering Design & 3D Modeling* [‡]	Engineering Design & 3D Modeling* [‡] Robotics Engineering* or Architectural Engineering*	Engineering Design & 3D Modeling* [‡] Robotics Engineering* or Architectural Engineering*	Engineering Design & 3D Modeling* [‡] Robotics Engineering* or Architectural Engineering*
Visual Programming & Game Design* [®]	Visual Programming & Game Design* [®] Computer Programming & Security* [®]	Visual Programming & Game Design* [®] AP Computer Science*/**	Visual Programming & Game Design* [®] AP Computer Science*/**
Computer Programming & Security* [®]	Computer Programming & Security* [®]	Computer Programming & Security* [®]	Computer Programming & Security* [®]

*Elective courses can begin to be take in this year or any subsequent year after. If the course is not listed in Freshman year, it is not recommended to be taken in this year.

[‡]Student should be enrolled in Algebra 1

[®]Student will need to have completed Algebra with an “A” or “B”

**AP Computer Science prerequisites: Algebra 2 with “A” or “B”, Visual Programming, and Computer Program Security OR Teacher Recommendation

STREAM Academy Course Flowchart

Mathematics and Computer Science Track

Freshman	Sophomore	Junior	Senior
Biology	Chemistry Or Physical Science		
Algebra 1/Algebra 2 Geometry	Algebra 2 Geometry PreCalculus/H. PreCalculus	PreCalculus/H. PreCalculus	AP Calculus *Calculus 1 AP Statistics
Engineering Design Game Design Computer Security	Engineering Design Game Design Computer Security *Information System and Literacy	*Computer Science and Security *Java Programing	*Computer Science and Security *Java Programing *Capstone Project
*Elective courses that are Dual Enrollment courses through Metro CC or UNO.			

Health Science Career Academy Course Flowchart

Nursing Track

Freshman	Sophomore	Junior	Senior
Biology	Chemistry Or Physical Science	Anatomy & Physiology ^CNA *Medical Terminology	*Health Careers *Intro to Medical Law and Ethics *Field Experience
Algebra 1/Algebra 2 Geometry	Algebra 2 Geometry PreCalculus/H. PreCalculus		

^Course must be completed at Metro CC or an outside agency. Please see the Counseling office for details.
*Elective courses that are Dual Enrollment courses through Metro CC or UNO.

Health Science Career Academy Course Flowchart

Athletic Training Track

Freshman	Sophomore	Junior	Senior
Biology	Chemistry Or Physical Science	Anatomy & Physiology	
Algebra 1/Algebra 2 Geometry	Algebra 2 Geometry PreCalculus/H. PreCalculus		
		*Medical Terminology *Prevention and Care of Athletic Injuries or Sports Med 1 & 2 Field Experience (Clinical Hours)	*Medical Terminology *Prevention and Care of Athletic Injuries or Sports Med 1 & 2 Field Experience (Clinical Hours)
*Elective courses that are Dual Enrollment courses through Metro CC or UNO.			

Dual Enrollment vs. Advanced Placement

Dual Enrollment	Advanced Placement
<p><u>Why Dual Enrollment</u></p> <ul style="list-style-type: none">*College Credit is guaranteed*Courses cost less for our students*Taught by a Gross Catholic Teacher or Metro CC teacher	<p><u>Why Advanced Placement</u></p> <ul style="list-style-type: none">*No additional fee for class*Taught by Gross Catholic Teacher
<p><u>Things to Consider</u></p> <ul style="list-style-type: none">*Extra Fee for class*Some classes are taught online	<p><u>Things to Consider</u></p> <ul style="list-style-type: none">Not guaranteed college credit