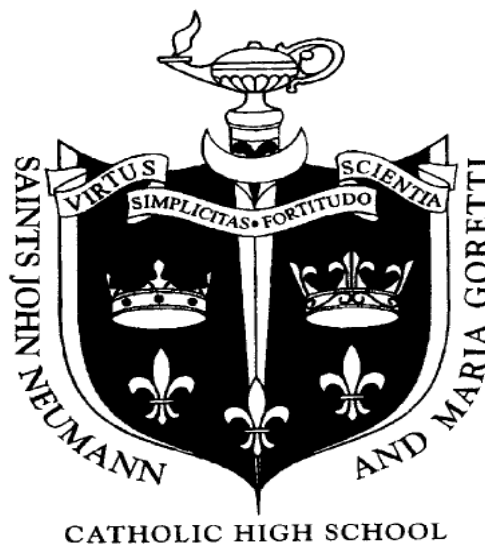


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Course Catalog 2023-2024

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GENERAL INFORMATION

Program of Studies

The principal goal of SS. John Neumann and Maria Goretti Catholic High School is to prepare young men and women to take their places as Christians in modern society. The planned curriculum is one step in this preparation. Through a variety of course offerings, our school endeavors to educate each student according to their intellectual talents God has given. Selection of the proper courses is a serious responsibility and should be done thoughtfully and realistically. Before making selections, students are urged to consult parents, teachers, and counselors.

Graduation Requirements

To receive a diploma from SS. John Neumann and Maria Goretti Catholic High School, a student must successfully complete 25 credits, including certain courses. These requirements are based on those of the State of Pennsylvania, Archdiocese of Philadelphia, and SS. John Neumann and Maria Goretti Catholic High School's specific requirements.

General Course Graduation Requirements

Theology	4 credits
English	4 credits
Social Studies	3 credits*
Mathematics	3 credits*
Science	3 credits*
Health	.5 credits
Physical Education	.5 credits
Technology/Business	1 credits
Fine Arts	1 credit
World Language	2 credit
Electives	3 credits
Minimum of 25 credits	

A fourth year of Math, Science, Social Studies or World Language is recommended.

*Starting with the Class of 2018, students will be required to have 4 credits in Social Studies, Science, Math or the same World Language to graduate.

Every student must take a minimum of **six** subject-credits each year and max of **seven**. Typical rosters are as follows:

Freshman

Theology 1
English 1
World History 1
Algebra 1
Algebra 1 Extension CP
Physics First CP or Biology H
Art 1 or Orchestra
World Language

Sophomore

Theology 2
English 2
American Government
Geometry
Chemistry
Physical Education
Health
Elective (World Language.)

Junior

Theology 3
English 3
Modern American History
Algebra 2
Biology
Electives: 1 or 2 credits

Senior

Theology 4
English 4
Electives: 4 or 5 credits
*a 4th year of Social Studies, Math, Science or World Language must be one credit.

Class Categories

The level of study for which they are best suited. The levels of study are described in detail below.

- **Advanced Placement** – College level courses, e.g. Advanced Placement online, in-person and the Diocesan Scholars Program. All students registered in AP courses are required to take the AP exam for a fee.
- **Honors** – College preparatory courses for students of exceptional ability and work-ethic.
- **College Preparatory** – College preparatory courses for all students.

See the Criteria for Honors and Advanced Placement Courses in the appendix.

Current and Cumulative Ranking

Class rank is determined by Quality Point Average, which gives greater weight to more difficult courses in the higher levels. See the Quality Point Table and the Credit Adjustment Table under the AOP Secondary School System Policies section (page 28).

GPA (Grade Point Average)

A GPA (Grade Point Average) is calculated based on the final grade per course using an unweighted or weighted scale. Each course receives GPA value, and then the average GPA of all courses is calculated. The GPA is reported on the student's transcript. Both courses with are full year in length and courses which are one semester in length are counted into the GPA appropriately. See the unweighted and weighted scales in the AOP Secondary School System Policies section .

Credit

Credits are earned for successfully completing major and minor subjects. With a few exceptions, noted in the course description, courses are worth one credit each. Actual number of credits earned is indicated on the student's roster.

Honors

A student can achieve honors in any class. The requirements for honors at SS. John Neumann and Maria Goretti High School are as follows:

- First honors – an average of 93 with no grade lower than 90
- Second honors – an average of 88 with no grade lower than 85

Honors will be based on quarter grades, and will not include the semester average. Both honors require a conduct grade of no lower than 80.

Progress Reports

Progress reports are issued at the mid-point of the first, second and third quarters. These reports provide teachers with opportunities to comment on a student's academic progress. Additionally, in accordance with Archdiocesan Policy, failure warnings for a semester or final failure are indicated on the report. Although teachers are not required to report a quarter failure, they are encouraged to keep parents aware of a student's academic difficulty.

Parent-Teacher Meetings

Parent-Teacher Conferences are held throughout the year. Dates are communicated accordingly. These meetings are held for parents, students, and teachers to discuss steps required to improve academic achievement. When a failure occurs or poor performance is indicated, the parent and student are requested to meet with the teacher. These meetings can be held at times agreed upon by teacher and parent.

Report Cards

Report Cards are processed four times a year on a quarterly basis. In addition to grades, the report cards provide an opportunity for teacher comments, attendance information, and conduct history.

Course Selection Process

1. After carefully considering the available courses, students in grades 9, 10 and 11 will select courses during the second semester for the following school year. Students must be certain that they have the credits and courses required for graduation. Students should list an alternative course on their course selection sheet, for the possibility that their first-choice courses do not fit with the master roster. Students are urged to consult teachers, counselors, and parents for proper guidance.
2. Students will be given the course selected if they meet the basic requirements of the course and if they receive the necessary teacher recommendation. Conflicts in scheduling may necessitate adjustments.
3. The Academic Affairs Office reserves the right to withdraw any course offering if conditions warrant such a change. Elective subjects are scheduled based upon availability of faculty members and sufficient student demand.
4. Requests for a specific teacher or period cannot be honored.
5. See the Course Selection Worksheet in the appendix.

National Honor Society

Membership in the National Honor Society is based on scholarship, character, service and leadership. Students do not apply for membership, but are invited to apply. Membership is granted to those students selected by the National Honor Society Faculty Committee and approved by the Principal. Only Juniors and Seniors are eligible for National Honor Society.

The selection process:

All students must have the following to be academically eligible:

- A cumulative average of 90 percent or above,
- A cumulative quality point average of 39,
- No grade under 80 in AP and Honors level classes,
- No grade under 85 in College Preparatory classes and
- Carry at least 6 subjects

Once candidates are identified, they must submit an application packet which includes but is not limited to:

- A personal essay on the provided topic.
- A list of school activities in which the student is an active member.
- Faculty recommendations and
- A parent response form.

Final selection

- The National Honor Society Faculty Committee makes the final selection for membership in the SS. John Neumann and Maria Goretti High School Chapter of the National Honor Society. The decision of the Committee is final.

Members are evaluated quarterly on:

- Maintaining a 90 average overall,
- No grade under 80 in AP and Honors level courses,
- No grade under 85 in College Preparatory level courses,
- Completing a minimum of five hours of community service per quarter,
- Maintaining a Conduct grade of at least 85,
- No more than four absences and late arrivals,
- Attends monthly NHS meetings and
- Participation in NHS service projects.

THEOLOGY DEPARTMENT

As courage, compassion, and commitment are the heart of the values of Saints Neumann Goretti High School, the Theology Department's objectives are:

- To enable the students to become their "best selves" through rigorous courses that investigate critically, analyze and utilize Catholic teachings and spirituality to promote committed Christian living,
- To increase their knowledge of what it means to serve and be compassionate world citizens - - "loving their neighbor as themselves."
- To adequately prepare and inform the students to be able to respond courageously to the life challenges - - academic, intellectual, social, and most of all as people of faith, as we grow as a human people.
- To serve - four hours of service are required during the summer. Ten hours of service are required during the school year. A journal must accompany the service. Refer to the Theology/English Summer document on the school's website for details.

Grade 9

Theology 1 – NG0121

1 credit

College Preparatory

Scripture – The Revelation of Jesus Christ in Scripture

The course helps students understand the Sacred Scriptures. The Bible is the word of God where they encounter the living Word of God, Jesus Christ. Students learn about the Bible, its development and content, and how God is its author. Students will focus on how God communicates his love and care for us throughout human history as the incarnate Son of God.

Christology – (Who is Jesus Christ?)

The course helps students understand Jesus Christ. He is the living Word of God, the Second Person of the Blessed Trinity. Students will also explore the role of the Blessed Mother in relation of God and humanity. In learning about Jesus Christ, students learn about who God calls them to be.

Grade 10

Theology 2 – NG0221

1 credit

College Preparatory

The Paschal Mystery - The Mission of Jesus Christ

The course helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.

Ecclesiology - (Jesus Christ's Mission Continues in the Church)

The course helps students understand that they encounter the living Jesus Christ in and through the Catholic Church. The Church was founded by Christ through the Apostles, and is sustained by the Holy Spirit through Magisterium. The Church is the living Body of Christ. Students explore the Church as a mystery which has both human and divine elements.

Grade 11

Theology 3 –NG0321

1 credit

College

Preparatory

Sacraments – Privileged Encounters with Jesus Christ

The course helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to a full and real encounter with Christ. Students examine each sacrament, in detail, to learn how they may encounter Christ throughout life within the context of moral living to enable a lived faith life.

Morality – (Life in Jesus Christ)

The course helps students understand the Christian moral life. Disciples of Christ are guided by moral concepts and precepts of Christ and his Church. Students probe these moral teachings and reflect upon their implications and applications in everyday life.

Grade 12

Theology 4 – NG0421

1 credit

College Preparatory

Vocations – Responding to the Call of Jesus Christ

The purpose of the course is to help students understand the vocations of life: how Christ calls us to live. Married life, single life, priestly life and consecrated life are explored. Students reflect upon what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

Catholic Social Teaching

The purpose of the course is to introduce students to the Church’s social teaching. In this course, students are to learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission. Special focus will be given to appropriate responses to social injustices within our communities.

ENGLISH DEPARTMENT

The English Department endorses the philosophy of SS. John Neumann and Maria Goretti Catholic High School. We hope that our course offerings will deepen the student’s knowledge, will enable them to grow in self-confidence, and will enhance their development as well-informed, articulate, Christian individuals.

Following the Common Core Standards and *Archdiocesan Curriculum Guidelines for the Study of Language Arts and Literature*, we include the content areas of language, literature and composition, as well as the skill areas of reading, writing, speaking, listening, and vocabulary development. We try to foster in our students a love of reading which will enrich their lives and will serve as the best preparation for pre-college testing (PSAT, SAT, ACT).

The goal of the English department is “to make students aware that language is basic to communication, and that writing and speaking are the devices one uses to convey ideas.” We direct our students to see that “English should be a tool for the profit and use of the student, a source of improved communication with others, one way to enjoy leisure time, and at the same time to extend experiences beyond the physical limitations of one’s own life setting. Literature is viewed as a record of human experiences, embodying the deepest values in life.”

Grade 9

English Language Arts 1 - NG1111, NG1121 1 credit

Honors and College Preparatory

Critical Reading, Writing, and Speaking supported through Genre Studies

English Language Arts I is a required course for all ninth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students’ knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various literary Genre studies.

Grade 10

English Language Arts 2 - NG1211, NG1221 1 credit Honors and College Preparatory

Critical Reading, Writing and Speaking supported through Genre II.

English Language Arts II is a required course for all tenth grade students. Based on the Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations, and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

The course is supported through various literary genre studies.

Grade 11

Advanced Placement English Language and Composition-NG1351 1 credit

Advanced Placement

Advanced Placement English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. The student must also complete an independent research paper. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

NOTE: The summer assignment will count as the first major grade of the 1st quarter.

Prerequisites: Recommendation by the 10th grade English teacher and superior PSAT scores.

English Language Arts 3 - NG1311, NG1321 1 credit Honors and College Preparatory

Critical Reading, Writing and Speaking are supported through American Studies.

English Language Arts 3 is a required course for all eleventh-grade students, who are not enrolled in the Advanced Placement English Language course. Based on the Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

This course will develop the student's writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

Grade 12

Advanced Placement English Literature-NG145 1 credit Advanced Placement

The Advanced Placement English Literature course involves the gifted student in a most intensive study of literature and its relevant application to serious and critical expository

writing. The student learns customary modes of discourse, various rhetorical and writing devices, and the effective use of language in a clear, coherent, and persuasive way.

In this course the AP student must do careful readings of complex literature, develop critical standards for the independent appreciation of literature, and increase his/her sensitivity to literature as shared experience. Additionally, the student must develop writing skills that enable him/her to comment on and evaluate sophisticated readings similar to those found on the Advanced Placement English Examination. The student must also complete an independent research paper. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

NOTE: The summer assignment will count as the first major grade of the 1st quarter.

Prerequisites: Recommendation by the 11th grade English teacher and superior PSAT scores.

English Language Arts 4 - NG1411, NG1421 1 credit Honors and College Preparatory

Critical Reading, Writing and Speaking are supported through British Studies.

English Language Arts 4 is a required course for all twelfth-grade students, who are not enrolled in the Advanced Placement English Literature course. Based on the Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.

Reinforcing and expanding the writing objectives of the junior year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use.

This course is supported through various selections in contemporary American studies.

Electives
Grades 11 and 12

Creative Writing- NG1491 1 credit Honors

This elective course allows the student to expand their skills in writing and creative thinking in order to build and refine beyond standard academic writing. The course affords students of all writing levels the opportunity to learn and excel in the arts of creative writing.

Prerequisite: Recommendation of current English Teacher, approval of the Department Chairperson, a minimum of an 80 average in English

SOCIAL STUDIES DEPARTMENT

Saints John Neumann and Maria Goretti Catholic High School's Social Studies Department has adopted a philosophy that has as its primary objective the total development of the whole student. Incorporating our Catholic values, we strive to prepare students to become active, intelligent citizens in our political democracy, and to aid in the development of those qualities which will enable them to assume productive roles in our diverse society. The members of the Social Studies Department recognize those factors that have contributed to the uniqueness of each individual, and provide students with a global outlook that will foster an appreciation for the achievements of all peoples.

All students are required to take three years of Social Studies. The required courses include 1) World History, 2) American Government and Politics and 3) Modern American History. Comparative Government is offered as a senior elective. It is recommended that students take a fourth year of social studies.

Grade 9

World History- NG2111, NG2121 1 credit Honors and College Preparatory

The course is a history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures. The curriculum employs transnational themes to provide connections which transcend time, space, and disciplines and which promote the use of the critical historical global and economic literacy skills to explore global patterns of change over time. Acquiring these skills will enable students to analyze and interpret historical events in depth and to apply their understanding to a variety of historical events.

Grade 10

American Government and Politics– NG2211, NG2221 1 credit

Honors and College Preparatory

The course is a comprehensive examination of the supreme and fundamental characteristics of the American Government system. Its study involves the origins, development, principles, organization, powers, functions, and actual workings and processes of American Government. The course utilizes critical civil, economic, and historical literacy skills to emphasize political theory, philosophy, and the nature of the government and how it has impacted the country over time. An examination of current events will look toward contemporary applications. It is designed to give a thorough knowledge and deep understanding of the Government of the United States, which is essential to all American citizens.

Advanced Placement Government and Politics-NG2251 1 credit Advanced Placement

The Advanced Placement Program in Government and Politics is designed to provide students with an analytical perspective on government and politics. Students will become familiar with various institutions, groups, beliefs and ideas that constitute U.S. politics. In addition, the Advanced Placement Program in Government and Politics prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by first-year introductory college courses. Among the topics covered in this course are: political beliefs and behaviors, public policy, civil rights and civil liberties, political parties, interest groups and the mass media. The course is offered **on-line (AVLI)** with time scheduled for the student during the school day. The course requires outside reading and writing assignments. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

Prerequisite: World History (CP) or World History (Honors); teacher recommendation

Grade 11

Modern American History- NG2311, NG2321 1 credit Honors and College Preparatory

The first eight weeks of this course is designed to familiarize the student with the history and function of government in the United States. The course then pursues a study of United States history from post-Civil War period to the present 21st century. Integrated into the curriculum are the various techniques and skills needed to study history and social studies effectively.

Advanced Placement United States History- NG2351 1 credit Advanced Placement

The Advanced Placement Program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by first-year introductory college courses. Students learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. An Advanced Placement

United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. This course requires extensive outside reading and writing assignments. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

NOTE: A student who fails to complete the summer assignment on the assigned dates will be dropped from the course automatically.

Prerequisites: Advanced Placement Government and Politics, or American Government and Politics (Honors) and teacher recommendation; demonstrated high level of achievement in the last two years of Social Studies.

Electives **Grade 12**

Comparative Government - NG2421 1 credit College Preparatory
Students will analyze the basic characteristics and origins of government and economic systems. Utilizing this knowledge, students will examine the effect that social and cultural influences have on the development of these systems in several countries throughout the world. Students will compare and contrast the political and economic structures of different countries to gain an understanding of modern global geopolitics.

PLEASE NOTE: This course is required, if a student does not take a fourth year of Math or Science or the same World Language in grade twelve.

AP Psychology - NG2551 1 credit Advanced Placement
Immerse yourself in the scientific study of human behavior and cognition. Learn about notable figures and psychological studies. Investigate scientific methods and ethical considerations related to human and animal research. In this college-level course, you will learn about and apply important terms, concepts, and phenomena associated with each major area of psychology and enhance your critical thinking skills. Topics include the biological bases of psychology, sensation and perception, learning, cognition, development, motivation, emotion, personality, psychological disorders, and social psychology. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

Psychology/Sociology - NG2521 1 credit College Preparatory
The Psychology portion of the course will explore the foundation of psychology. Major topics will include methods, theories of learning and personality, child adolescent development and social psychology.
The sociology portion of the course will explore such topics as deviance and social control, racial and ethnic relations, the family, gender, age and health issues and science and the mass media. In recent school years, the course was offered on-line with time scheduled for the student during the school day.

African American Studies NG2721 0.5 credit College Preparatory
African American Studies is a one-semester course which explores the cultural, political and social history of African Americans from the Middle Passage through contemporary American life. Students will develop a deeper understanding of the intricate ways in which African Americans have influenced and shaped the history and culture of the United States. Students will examine the historical approaches to understanding the experiences and contributions of African Americans in the United States.
Prerequisites: Modern American History

Case Studies in Civil Rights Seminar NG2821 0.5 credit College Preparatory
The Case Studies in Civil Rights course is a guided one semester seminar course that invites the students to explore landmark Supreme Court civil rights cases from their historical roots though their contemporary impact. Students will work individually and in groups to research specific cases impacting various minority and historically marginalized groups including

Native Americas, women, immigrants, African Americans, people with disabilities, followers of specific religious beliefs, among others. A variety of presentation styles including debate, oral and written presentations, as well as Socratic seminar will be used. The course requires that the student is able to identify areas of specific interest within the topic list, work independently and collaboratively, as well as actively respond in large and small group discussions.

Prerequisites: Modern American History

MATHEMATICS DEPARTMENT

Mathematics is required in grades 9, 10, 11 and strongly recommended in grade 12. A fourth year of Mathematics is required for students who are not rostered into a fourth year of Science, Social Studies or World Languages.

The goals of the Mathematics Department are as follows:

1. To foster a positive attitude toward mathematics,
2. To meet the individual needs of the students by developing and challenging their capabilities; thereby preparing them for adult life,
3. To provide every student the opportunity to develop mathematical competencies appropriate for them,
4. To develop and strengthen skills of logic, accuracy, articulation, analysis and communication,
5. To utilize data analysis, statistics and modeling to provide a concrete structure for everyday application of mathematics,
6. To promote the development of each student's character by demanding an effort worthy of their ability and allowing them the freedom to attempt, experience and meet challenges,
7. To contribute to the development of responsible leadership and a spirit of cooperation among students,
8. To make students aware of the importance and moral responsibility in the use of global technology.

- **All course selections require department approval.**
- **A Texas-Instrument 84 Plus (TI-84 Plus) maybe used in specific courses. A calculator may be required by the instructor.**

Freshman	Sophomore	Junior	Senior
Algebra 1 H	Geometry H and Algebra 2 H	Precalculus H	AP Calculus AB
Geometry H	Algebra 2 H	Precalculus H	AP Calculus AB
Algebra 1 CP Algebra 1 Ext	Geometry CP	Algebra 2 CP	Precalculus CP

Grade 9

Honors Mathematics Program

Freshmen and a few select sophomores are invite to enter the Honors Mathematics Program based on their performance on their Saints Neumann-Goretti placement test, their Terranova or other standardized test scores, and the recommendation of their seventh, eighth and ninth grade teachers. Students should be above average in the areas of critical thinking, basic mathematical skills, and work ethic. The program allows students to complete a full year's

Honors

will construct viable arguments and critique reasoning of others and will use appropriate tools of mathematics strategically.

Prerequisite: Algebra 1, Geometry

Grade 12

Precalculus- NG3411, NG3421 **1 credit** **Honors and College Preparatory**

The course is designed to prepare college-bound students for the rigor of post-secondary mathematics. It includes solving and graphing polynomial, rational, trigonometric, exponential and logarithmic functions, the radian measure of angles and polar coordinates, solving right triangles and verifying identities. Graphing calculators are an integral part of the class work.

Prerequisites: Algebra 1, Geometry, Algebra 2

Calculus - NG3431 **1 credit** **Honors**

The course includes limits and continuity, differentiation, slope fields, maxima and minima, implicit differentiation and integration with applications. Graphing calculators are an integral part of the class work.

Prerequisites: Algebra 1, Geometry, Algebra 2, Precalculus

Advanced Placement Calculus AB - NG3451 **1 credit** **Advanced Placement**

The course adheres to the guidelines for the Calculus AB level and culminates in the student's taking the AB level Advanced Placement Calculus Exam for college credit in May. The course includes limits and continuity, differentiation, slope fields, maxima and minima, implicit differentiation and integration with applications. Supplementary assignments including additional meetings outside of the regular class day to reinforce learned skills, enabling the teacher to better utilize instructional time in the classroom. Graphing calculators are an integral part of the class work. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

Prerequisites: Algebra II (Honors) and Precalculus (Honors)

Advanced Placement Statistics – NG3571 **1 credit** **Advanced Placement**

The AP Statistics course will introduce students to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference in order to analyze data and draw conclusions

The TI83+/84 OR 89 calculator and computers will be used to explore the world of data and the patterns which can be found by analyzing this information as well as statistical relationships. General topics of study include "exploring data," "planning and design of a study," "anticipating patterns," and "statistical inference." The taking of the AP exam is a requirement. A testing fee is assessed by the College Board. The course is presented **on-line through Educere and a registration fee is charged to the student's tuition account.** .

Prerequisites: Algebra II (Honors) and Precalculus (Honors)

Mathematics Support Courses

Math Support 10 – NG1942	noncredit	Assigned by Administration
Math Support 11 – NG1952	noncredit	Assigned by Administration

Proficiency in basic Mathematics Skills supports achievement in all science and post-Algebra 1 math courses. Students are placed in Math Support based on teacher referrals and the

student's academic history, including the results of previous reading assessments. The goals of the course are to increase computation skills and to develop reasoning through Aristotelian logic.

Math Assistance – Precalculus – NG1962 noncredit Assigned by Administration
 Students, who were challenged in Algebra and Geometry, are supplied with insights needed to move to the consideration of trigonometric, logarithmic and other elementary functions. The intent of the course is to bridge the understanding gap, so the students are successful in this gateway Precalculus course leading to first year college Calculus.

SCIENCE DEPARTMENT

The aim of science education at SS. John Neumann and Maria Goretti Catholic High School is to help each student arrive at the fullness of Christian life, by educating the whole student regardless of ability. To achieve this we cater to the physical, social, psychological, and moral needs of the students while instructing them in scientific principles and processes. The science faculty encourages students to take an active part in our scientifically and technologically advancing society while maintaining respect for life and the environment.

Three years of laboratory science are required for graduation. Students in non-elective honors courses are required to participate in designated Science Fairs. A fourth year is strongly recommended for students who go to college or who seek a medical or technical certificate. A fourth year of Science is required for all students who do not take a fourth year of Mathematics or Social Studies. All students should investigate admissions policies of the colleges of their choice and should not be content with satisfying only the minimum course requirements, even if they do not intend to pursue a career in science.

Beginning with the class of 2027

Freshman	Sophomore	Junior	Senior
Biology H	Chemistry H	Physics H or AP Biology or AP Chemistry or Anatomy/Physiology H	AP Physics or AP Biology or AP Chemistry or Anatomy/Physiology H
Physics First CP	Chemistry CP	Biology CP	Anatomy/Physiology CP

In place for classes of 2026, 2025 and 2024

Physics First H	Chemistry H	Biology H	AP Physics 1 or AP Biology or AP Chemistry or Anatomy/Physiology H
Physics First CP	Chemistry CP	Biology CP	Anatomy/Physiology CP

Grade 9

Biology- NG4211

1 credit

Honors

The course is a rigorous presentation of biological concepts including cellular biology, biochemistry, photosynthesis, classification of living things and principles of genetics. Techniques of microscopy are pursued in appropriate laboratory exercises. Acceptance into this course is based on percentile scores in standardized admissions tests. *Available to ninth grade students starting with the 2023-2024 school year.*

Physics First- NG4121

1 credit

College Preparatory

The course covers the basics of Physics. Students are introduced to concepts that include the laws of motion, simple machines, heat, light, and electricity. Laboratory activities, safety, and experimentation supplement classroom activities. For Honors classes, participation in a designated Science Fair will be required.

Grade 10

Chemistry 10- NG4311

1 credit

Honors

The course is for highly focused students who have shown exceptional ability in previous science courses. The conceptual framework of chemistry including the structure of matter, the interactions of matter, stoichiometry, the states of matter, and the value of chemistry to contemporary life are integral parts of this course. Admission into honors chemistry is based on achievement in 10th grade honors biology, as well as percentile scores in standardized tests. Achievement in 10th grade mathematics is also advisory. Participation in a designated Science Fair will be required.

Prerequisites: Teacher recommendation based on review of science and mathematics grades, and standardized test results.

Chemistry 10- NG4321

1 credit

College

Preparatory

The class is presented with a theory-based approach that will provide the student with a working knowledge of the principles of chemistry and scientific investigation. Topics for discussion will include atomic theory, the periodic nature of atoms, chemical bonding and stoichiometry. The course promotes the use of deductive reasoning and laboratory skills.

Prerequisite: Algebra 1

Co-requisite: Geometry

Grade 11

Biology- NG4211

1 credit

Honors

The course is a rigorous presentation of biological concepts including cellular biology, biochemistry, photosynthesis, classification of living things and principles of genetics. Techniques of microscopy are pursued in appropriate laboratory exercises. Acceptance into this course is based on achievement in 9th grade, as well as percentile scores in standardized tests..

Biology- NG4221

1 credit

College

Preparatory

The course is a survey of the structures and functions of living things. History of biological discovery, life processes, cell structure, plant and animal metabolism, taxonomy, genetics and evolution are some of the topics presented. Laboratory procedures introduce students to the techniques of microscopy and data collection and evaluation.

Electives **Grades 11 and 12**

Anatomy and Physiology – NG4611, NG4621 1 credit Honors, College Preparatory
Students are taken through an examination of the human body at the microscopic and macroscopic levels. The course starts with an overview of general science skills before moving into anatomy topics. The major body systems are covered from the integument to the excretory system and each body system includes an examination of its macroscopic features, microscopic workings, as well as the effects of age and disease to fully explore form and function. Student skills and knowledge are further developed through essay writing, class discussion forums, and interactive laboratories.

Advanced Placement Biology – NG4471 1 credit Advanced Placement
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, informant storage and transfer, and system interactions. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board. A summer assignment may be required at the Science Department's discretion.

Prerequisites: Biology, Chemistry plus science department recommendation.

Advanced Placement Chemistry - NG4371 1 credit Advanced Placement
This course is taught at the college level and is designed to prepare students to take the Advanced Placement Examination and to score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Chemistry Course Description.. These include an introduction to chemistry as the study of change, gases, thermochemistry, quantum theory, chemical bonding, crystals, phase changes, solutions, chemical kinetics, chemical equilibrium, acids and bases, entropy, electrochemistry, nuclear chemistry, metallurgy, alkali and alkaline metals, nonmetallic metals, transition metals, organic chemistry, and synthetic and natural organic polymers. This is an Educere on-line course. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

The course is taught **online through Educere**.

Prerequisites: Departmental Approval required.

Advanced Placement Physics 1 – NG4451 1 credit Advanced Placement
AP Physics 1 is the equivalent of a first-semester introductory college course in algebra-based physics. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motions, torque and rotational motion, electric charge and electric force, DC circuits, mechanical waves and sound. Although the course includes basic use of trigonometric functions, this understanding can be gained through the concurrent math course. The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

Prerequisites: Completion of Geometry and concurrent enrollment in Algebra II or higher.

WORLD LANGUAGE DEPARTMENT

The World Languages department aims to provide each student with unique opportunity to develop into a world citizen, sharing in the basic human ideals that are common to all peoples of the world despite language differences. Through language study, students build a bridge of understanding of the common bond shared by all people.

The World Language Department offers introductory and advanced courses in Spanish and Italian. In addition to learning the grammar and vocabulary necessary to communicate in a new language, students will also broaden their horizons by experiencing the traditions, value systems and histories of diverse cultures.

Language study offers many benefits to students, including the ability to communicate with a wider range of people, the ability to appreciate other cultures, and enhanced memorization and thinking skills. In addition, studying the commonalities between other languages and the English language leads to a greater proficiency in English expression, vocabulary and grammar.

Many colleges require at least 2 credits of successful language study either as a prerequisite to college entrance or as a requirement for graduation from their institution. Proficiency in another language is a tremendous asset in the areas of medicine, law, scientific research, foreign relations, trade, business, social services and special programs such as the Peace Corps.

Italian 1- NG5401 **1 credit** **College Preparatory**

Italian 1 provides an introduction to elementary Italian structure presenting the spoken and phonetic skills, the written word and translations. This will be done through imitation, repetition and basic dialogues. The student will also be introduced to the richness of Italian culture through various presentations.

Students who satisfactorily complete Italian I are expected to take Italian 2.

Italian 2- NG5421 **1 credit** **College Preparatory**

The second-year course involves the reinforcement and expansion of the basic elements of grammar, vocabulary and idiomatic expression. Emphasis is made on the development of one's speaking ability and the implementation of grammar in oral responses. Cultural and literary highlights are also presented and discussed.

Italian 3- NG5451 **1 credit** **Honors**

The course will provide an opportunity to utilize and expand on the knowledge and skills acquired in the first two years of the language. Further grammatical structures, vocabulary and verb tenses with continued application are paramount. Composition, question/answer practices, class recitation, reading comprehension and discussion of readings, as well as cultural information provide the means to achieve proficiency and mastery. Current videos, films and digital resources are used as often as possible to expose students to actual native speakers and current events in Italy.

Prerequisite: Recommendation from teacher(s) of Italian 1 and 2

Italian 4- NG5461 **1 credit** **Honors**

The fourth course aims at providing a challenging and productive experience and allows the students to carry out all the functions that they have acquired in the first three years. The students will participate actively in oral and written forms. All the skills of reading, writing, listening and speaking are incorporated within a vigorous academic setting. Grammatical and verbal structures not completed in the third year will be addressed. Literary, cultural and historical topics are supplemented with readings from various sources. Current videos, films computer laboratory, and digital resources are used as often as possible to expose students to actual native speakers and current events in Italy.

Prerequisite: Recommendation from teacher(s) of Italian 1, 2 and 3

Spanish 1- NG5601 **1 credit** **College Preparatory**

Emphasis at this first level is on pronunciation and the grammatical constructions of the language, which are presented in a natural way through dialogue and pattern practices, both written and spoken. The goal is to have each student become able to express him or herself

fluently in the areas being studied. Students are also introduced to many of the cultural aspects of Latino culture. This goal is further enhanced by the use of varied technologies.

Spanish 2- NG5621 **1 credit** **College Preparatory**

Emphasis at this second level is placed on the continuation of vocabulary building, development of conversational skills, and reading comprehension on a more advanced and complex level. Hispanic culture is further highlighted, both through the thematic chapters of the text and outside resources.

Spanish 3- NG5651 **1 credit** **Honors**

The course is a continuation of the proficiency-oriented levels presented in Spanish 1 and 2. Those areas which have been covered in the first two years are reviewed and expanded upon while new and more advanced concepts are presented. A more in-depth view of the entire Spanish-speaking world is presented, taking advantage of the many technologies at our disposal.

Prerequisite: Recommendation from teacher(s) of Spanish 1 and 2

Spanish 4- NG5671 **1 credit** **Honors**

The course further elaborates on what was presented in Spanish 3. The material learned in the first three years is reinforced through conversation, and creative rather than imitative writing. More complex readings and further use of technology will give the student an even deeper insight into the Spanish-speaking population of our world.

Prerequisite: Recommendation from teacher(s) of Spanish 1, 2 and 3

Important Note: In lieu of offering high school Spanish 4, a college dual enrollment course alternative may be offered. Students selecting Spanish 4 during course selection are highly encouraged to apply to the college dual enrollment option through Neumann University. A decision will be made in the summer as to whether high school Spanish 4 or the college dual enrollment courses will be offered to 4th year Spanish students.

Portuguese- NG5721 **1 credit** **College Preparatory**

Emphasis at this first level is on pronunciation and the grammatical constructions of the language, which are presented in a natural way through dialogue and pattern practices, both written and spoken. The goal is to have each student become able to express him or herself fluently in the areas being studied. Students are also introduced to many of the cultural aspects of Latino culture. This goal is further enhanced by the use of varied technologies.

BUSINESS/TECHNOLOGY EDUCATION DEPARTMENT

The Business/Technology Education Program is designed to provide students with the skills, knowledge, attitude and Christian ethics necessary for the development of personal, vocational and economic competence. It is generally accepted that a student's education is not complete without some knowledge of business subjects, and a working use of computers.

In addition to employment preparation, these courses develop valuable skills required by the college student for document preparation, reporting and research. The skills obtained in business/technology courses can provide the background for and access to financial resources to contribute towards college.

One credit of a Business/Technology course is a requirement for graduation.

School Policy – A student may enroll in only one Business course in a given school year. It is permissible, however, to enroll in one Business elective in multiple school years. Technology and Computer courses are exempt from this enrollment limitation.

Grades 11 and 12

Personal Finance- NG6351 **1 credit** **College Preparatory**

The course concentrates on skills that will enable students to make wise financial decisions in the future. It incorporates topics and concepts such as managing bank accounts, credit and debit cards, consumer purchasing, saving and investing, real estate and other investments, insurance and tax preparation. During the second half of the year, students will participate in a Virtual Business Simulation that lets them actually practice the key personal finance skills to succeed in life.

Marketing- NG6381 **1 credit** **College Preparatory**

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; human relations; and safety and security. Mathematics and social studies are reinforced.

Business Law/Business Management- NG6471 **1 credit** **College Preparatory**

Business Law begins with an overview of the development of the American legal system. The course focuses on contractual obligations; the questions of how contracts arise and what are the requirements of a valid contract. Specifically, the students will learn about employment, insurance and consumer contracts.

Business Management instructs students to understand the purpose of business and the applicable technical knowledge. The study of leadership, decisiveness, empathy, flexibility, and results gives students the background to develop their competitive edge in today's global business environment.

AP Computer Science A - NG6651 **1 credit** **Advanced Placement**

The AP® Computer Science A course is equivalent to the first semester of a college level computer science course. The course involves developing the skills to write programs or part of programs to correctly solve specific problems. AP® Computer Science A also emphasizes the design issues that make programs understandable, adaptable, and when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. In addition an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course. **This is an Educere on-line course.** The taking of the AP exam is a requirement. A testing fee is assessed by the College Board.

Manor College offers additional Web Design and Computer Courses through the Dual Enrollment Program. See these options later in this catalog.

FINE ARTS DEPARTMENT

Fine Arts is an important and contributing factor in the total objectives of the Saints John Neumann and Maria Goretti Catholic High School curriculum. Enrollment in Fine Arts courses advances the academic and aesthetic development of the student. The formal study of music, art and dance gives the student the opportunity to enjoy a richer spiritual life, emphasizes the value of human living, and helps develop an understanding of a common bond

Grade 10

Health- NG9111

0.5 credit

College Preparatory

Health Education is a one-semester course. The classroom discussion/lecture approach is used to address contemporary health issues, especially those relating to youth, such as tobacco, alcohol, and drug abuse, mental and emotional problems and basic hygiene topics. Areas such as basic human anatomy and physiology, exercise and rest, nutrition, and stress reduction are presented to promote the concept of prevention through the development of positive health practices. Diagnostic and computer technologies will be used to reinforce and enhance the learning experience.

Physical Education- NG9121

0.5 credit

College

Preparatory

Physical Education is a one-semester course. It is a comprehensive course incorporating instruction in the major sports skills, physical conditioning and skills and fitness testing. The student will fully participate in drills; games and activities designed to stimulate physical development and to promote teamwork, fair play, and friendly competition. In our technologically advanced society, sedentary lifestyles have contributed to an increase in childhood obesity and the onset of traditional adult conditions such as hypertension and diabetes. It is our goal to provide our students with the opportunity to learn and experience the physical activities necessary to maintain and enhance a healthy lifestyle. In addition, the Wii lab is a regular part of the physical education experience.

Elective Grades 11 and 12

Allied Health – NG4721

1 credit

College

Preparatory

This course is designed to introduce students to the world of health care. Students will learn the necessary skills to prepare them for entry into a post high school technical college or university for a wide variety of health careers. The course will explore various medical careers, trends, medical terminology, medical ethics, pathophysiology, legal issues, and the promotion of safety principles associated with both patients and health care workers. Students will also have the opportunity to become CPR and First Aid certified in preparation for a future career in the medical field. An additional fee will be charged for certification.

Note: Seniors will have preference being rostered into the course. Juniors will be rostered, if space permits.

RESOURCE ROOM

Resource Room 9	NG1972	noncredit	Faculty/Administration Recommendation
Resource Room 10	NG1973	noncredit	Faculty/Administration Recommendation
Resource Room 11	NG1974	noncredit	Faculty/Administration Recommendation
Resource Room 12	NG1975	noncredit	Faculty/Administration Recommendation

An in-school Resource Room is provided for specific students identified by the faculty and the administration. It is a supportive learning environment which supplies students with professional assistance in the completion of course work assigned in their College Preparatory courses. The Learning Professional works with students with documented learning differences on study skills, managing courses, and navigating the curriculum. One period is placed in the daily schedule. If warranted, accommodations are developed for extended testing.

STEM Certificate of Excellence Program

Beginning with the Class of 2027

Program Objectives

The STEM Certificate of Excellence Program provides its members with rigorous academic and extracurricular opportunities that incorporate critical thinking and problem solving skills to promote authentic learning. Students utilize these skills to provide creative and innovative solutions to real world problems.

Program Objectives

- To provide students challenging course offerings with an intentional focus on STEM disciplines
- To educate students on the various career paths available in STEM fields
- To provide students the experience of scientific investigation and inquiry through completion of a STEM project
- To provide students with a variety of extracurricular STEM experiences

Program Requirements

- Complete and submit the STEM Scholar Certificate Program application in February of the freshman or sophomore year
- Complete a minimum of 10 STEM courses at the honors, AP or Dual Enrollment level by the end of the senior year
- Participate in a minimum of 4 STEM related extracurricular activities by the end of the senior year
- Complete a STEM capstone project in the senior year
- Maintain a minimum grade of 90 in each STEM relate course

SPECIAL PROGRAMS

ON-LINE ADVANCED PLACEMENT COURSES

To expand course selection for students with varied interests, Neumann-Goretti eligible juniors and seniors will be permitted to register to take Advanced Placement, on-line high school courses offered by AVLI (formerly JVLA) and/or Educere. There is a fee for these courses, which will be paid by the student.

- Students can only take a course on-line that is NOT offered in Neumann Goretti's regular course offering.
- Students will be assigned to a period in a computer lab or office to pursue on-line courses.
- As with any course, failure of an on-line course will affect class standing, and possible participation in graduation.
- Students requesting an on-line course must meet the requirements and sign the Advanced Placement Contract.
- The taking of the AP exam is a requirement (Exam fee: approx. \$96.00)

On-Line Advanced Placement Courses taken in the 2021-2022 and 2022-2023 school years follow with page references for the course description:

AP Music Theory – AVLI - NG7551 – See Fine Arts	Advanced Placement
AP Statistics – Educere – NG3571 – See Mathematics	Advanced Placement
AP Government/Politics–AVLI-NG2251-See Social Studies	Advanced Placement

To view descriptions and fees, go to www.arrupevirtual.org for AVLI or www.educere.net for Educere.

DIOCESAN SCHOLARS PROGRAM

Diocesan Scholars Courses NG9502 (place holder)

College Course

Juniors, who rank among the top thirty of the class, as determined by cumulative ranking in the first semester of their Junior year, and score a 1050 on the Junior year PSAT, are eligible to apply for the Diocesan Scholars Program. Students, who are chosen, take college courses at participating Philadelphia-area Catholic colleges and universities during senior year. Students receive both high school and college credit for courses successfully completed. Students interested in this program must speak to the Principal. See the “Grade Conversion” chart in the College Partnerships – Dual Enrollment section.

Courses taken in the 2021-2022 and 2022-2023 school years were:

College Present / Collaborative Skills for Business - NG9631
College Educational Diversity in America – NG9641
College Intro to Psychology – NG9651
College Principles of American Government – NG9661
College Psychopathology - NG9671
College Criminology – NG9621
College Writing 1: Persuasion – NG961
College Education in an Urban Context – NG9521
College Organizational Behavior – NG9531

Course descriptions are available through the Undergraduate Course Catalogs of LaSalle University. The link follow:

<https://www.lasalle.edu/catalog/files/2018/08/UG-1718.pdf>

COLLEGE PARTNERSHIPS - DUAL ENROLLMENT **(COLLEGE AND HIGH SCHOOL CREDIT EARNED)**

Saints John Neumann and Maria Goretti Catholic High School has entered into partnerships with Manor College, Neumann University and LaSalle University to permit highly motivated students to take college courses during 11th and 12th grade. The Manor College and Neumann University courses are taught in the Saints Neumann Goretti Catholic High School building by professors from the respective colleges. The students taking La Salle University courses travel to the University’s campus.

Eligibility

- Rising 11th and 12th grade students must have satisfactory conduct and attendance records,
- All grades on previous quarter report cards must be minimum 85% (Honors and AP tiers) and minimum 90% (College Preparatory tier),
- Minimum 11th grade PSAT ERW score of 480 for non-Mathematics courses and
- Minimum 11th grade PSAT Mathematics score of 530 for applicable courses.

Grade Conversion Chart

College and University grades are alpha (A, etc.), so these must be converted to numeric grades to be assigned the proper number of quality points for high school. This conversion applies to courses taken in the Diocesan Scholars program and the Dual Enrollment courses. The conversion chart follows:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
96	93	89	86	83	79	76	73	72	71	70	65

Colleges and Universities

1- Manor College – NG9516

The partnership with Manor College allows juniors and seniors to take college courses taught by Manor College professors on the NG campus. The student receives full college credit on a Manor College transcript. Each course is one semester in length. If placed in the program, two courses are taken for the school year. The student will earn one high school credit for successful completion of both college courses. There is a fee of approximately \$300 for each semester course. Classes are typically two days per week from 7:30 AM until the end of first period. This schedule is subject to change but is provided so that you have a sense of the commitment before applying.

Courses taken in the 2021-2022 and 2022-2023 school years were:

Manor Intro to Computer Science and Programming – NG9518
Manor Computer Science Programming 1- NG9501
Manor Juvenile Justice – NG9519
Manor Policing in America – NG9511
Manor Intro to Sport Management – NG8701

Course descriptions are available through the Course Catalog of Manor College. The link follows:

<https://sites.google.com/a/manor.edu/manor-college-catalog/course-descriptions>

2- Neumann University – NG9517

The partnership with Neumann University allows juniors and seniors to take college courses taught by Neumann University professors on the NG campus. The student receives full college credit on a Neumann University transcript; Each course is one semester in length. If placed in the program, two courses are taken for the school year. The student will earn one high school credit for successful completion of both college courses. There is a fee of approximately \$300 per semester course. Classes are typically three days per week during eighth period. This schedule is subject to change, but is provided so that one has a sense of the commitment before applying.

Courses offered for the 2023-2024 school year:

Ethics - Fall Semester
TBD - Spring Semester

Courses taken in the 2021-2022 and 2022-2023 school years were:

Neumann Life's Big Questions – NG9761
Neumann American Heritage 1603 to 1865 – NG9771
Public Speaking - NG8941
Sociology – NGXXXX

Course descriptions are available through the Course Catalog of Neumann University. The link follows:

<http://catalog.neumann.edu/content.php?catoid=11&navoid=333>

3- La Salle University LEAP – NG9522 – Class of 2024 only

LEAP (La Salle's Early Achievement Program) gives high school students the opportunity to earn up to 30 college credits during their junior year of high school. The student receives full college credit on a La Salle University transcript for each course, and the student receives one NG credit per course that is applied towards high school quality points/ranking and GPA. In addition to La Salle's requirements of a 3.5/4.0 GPA and satisfactory conduct, students need a minimum 11th grade PSAT of 1050 and are ranked cumulatively in the top 30 of their class at end of their 5th semester. There is no tuition cost to the student and textbooks are supplied. A student in the junior year cohort of 2022-2023 may register for inclusion in the senior year cohort of 2023-2024.

COLLEGE CREDIT OPPORTUNITIES
(COLLEGE CREDIT ONLY - NO HIGH SCHOOL CREDIT)

- 1- **La Salle University Summer Scholars** – motivated and qualified rising 11th and 12th grade students are encouraged to apply to La Salle directly for this program in which they can complete one accelerated five-week course earning three college credits on a La Salle transcript in the summer including weekly college preparation seminars. To learn more visit <https://www.lasalle.edu/admissions/higher-education-initiative/> . **No absences are permitted. A minimum 3.5/4.0 GPA is required along with satisfactory conduct.** There are no tuition or book costs. Transportation is at the expense of the student. As of January 2020, the classes and seminars meet from June 22 to July 24 on Mondays 9am-12pm, Wednesdays, 9am-2:30 pm , and Fridays, 9am-12pm . This schedule is subject to change, but is listed so, you are generally aware of the commitment before applying.

- 2- **Drexel University High School Scholars** – motivated and qualified rising 10th, 11th and 12th grade students are encouraged to apply to Drexel University directly for this program in which they can complete one course per semester (up to 4 courses per year at Drexel University including the summer before 10th grade and after 12th grade) on Drexel University’s campus earning credits on a Drexel University transcript. **The minimum PSAT score to apply is 1200.** There is no tuition; the cost of transportation and books are the responsibility of the student. To learn more visit <https://drexel.edu/undergraduate-research/high-school-scholars/overview/>. The chosen course must be outside of the high school day and ample time for transportation must be considered. No adjustments can be made to the high school schedule to accommodate students who are accepted into and participating in this program,

COLLEGE INFORMATION

Students who are interested in attending college should make efforts to acquaint themselves with requirements and gear their course selections to this end. Requirements of colleges vary; however, most colleges include any or all of the following:

1. High School Transcript
2. G.P.A.
3. College Entrance Examinations: SAT I and/or ACT
4. Teacher Letters of Recommendation
5. Resumes, including extracurricular activities

Usually, a minimum of 16 academic credits are required from these areas:

English	4 credits
Mathematics	3 to 4 credits
Social Studies	3 to 4 credits
Science	3 to 4 credits
World Languages	2 to 4 credits
Electives	1 to 4 credits

Some colleges have specific requirements in order for a student to be considered for the program of his or her choice. Early investigation into these requirements helps students to pick appropriate classes to plan accordingly for college. Students should visit the college web site, or talk to an admissions counselor to determine exact requirements for admission.

NCAA DIVISION I ACADEMIC ELIGIBILITY

If a student wants to compete in NCAA sports at a Division I college/university, the student needs to register with the NCAA Eligibility Center to make sure he/she stays on track to meet initial-eligibility standards. The national toll free number is 1-877-262-1492. The web link is <http://www.ncaa.org/student-athletes/play-division-i-sports>. Contact Neumann Goretti's NCAA Coordinator for more details.

Summary: to be eligible to compete in NCAA during the first year at a Division I school, the student must graduate high school and meet all the following requirements:

- Complete 16 core courses: four years of English, three years of math (Algebra 1 or higher), two years of natural/physical science (including one year of lab science, if your high school offers it), one additional year of English, math or natural/physical science, two years of social science and four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy.
- Complete ten core courses, including seven in English, math or natural/physical science, before your seventh semester of high school,
- Earn at least a 2.3 GPA in core courses,
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale.

AOP SECONDARY SCHOOL SYSTEM POLICIES

RANK

Class rank is determined by the earned Quality Points Average.

QUALITY POINTS

The number of Quality Points assigned to a course is determined by using the Quality Points Table (page 30), which considers grade received for the course and the level of the course (AP, H, CP). The resulting quality points are multiplied by the number of credits (1 or 0.5) assigned to the course. For example: A student with a grade of 90 in a CP level course of one credit receives 34 quality points for the course.

The **Total Quality Points** acquired in a school year is the sum of the Quality Points acquired for all courses taken in the school year.

The **Quality Points Average** is the result of Total Quality Points divided by the number of credits; however, a **Credit Adjustment Table** deducts points of credits by ranges. This approach rewards students who have taken additional courses in a given school year.

Example: The student, who ranks first in the class, had the highest Quality Point Average that is the Total Quality Points divided by the adjusted credits. This formula is approved by the Office of Catholic Education, Archdiocese of Philadelphia.

CREDIT ADJUSTMENT TABLE

Credits	Subtract
Between 0.00 and 5.00	0.00 credit
Between 5.01 and 5.99	0.10 credit
6.00	0.15 credit
Between 6.01 and 6.99	0.20 credit
7.00	0.25 credit
Between 7.01 and 7.99	0.30 credit
8.00	0.35 credit
Between 8.01 and 8.99	0.40 credit
9.00	0.45 credit
Between 9.01 and 9.99	0.50 credit

As an example, a student who earned 283 quality points in courses worth 7 credits would have the total divided by 6.75 and would receive a quality point average of 41.93. The student, who ranks first in the class, has the highest quality point average that is the total quality points divided by adjusted credits. The Quality Points Table can be found on page 30.

GPA (GRADE POINT AVERAGE)

Each course receives a GPA value, based on grade received, and then the average of GPA values of all courses taken is calculated to obtain the Grade Point Average or GPA.

An unweighted GPA does not take into account the difficulty of the course that is the challenge (Advanced Placement, Honors, College Preparatory) of the course material.

A weighted GPA takes the difficulty of courses into account along with grades. The weighted GPS showcases the hard work and challenges of the high school career by reflecting whether the courses were Advanced Placement, Honors or College Prep.

Both the Unweighted and Weighted GPA scales are listed in a parallel fashion in the following table.

Important Note: The current Unweighted and Weighted GPA Table began with the Class of 2021 in grade 9, and is used throughout the Secondary School System of the Archdiocese of Philadelphia. PowerSchool reports both Unweighted and Weighted GPAs. The GPA Table can be found on page 31.

QUALITY POINTS TABLE

Grade	AP	Honors	CP
100	54	48	44
99	53	47	43
98	52	46	42
97	51	45	41
96	50	44	40
95	49	43	39
94	48	42	38
93	47	41	37
92	46	40	36
91	45	39	35
90	44	38	34
89	43	37	33
88	42	36	32
87	41	35	31
86	40	34	30
85	39	33	29
84	38	32	28
83	37	31	27
82	36	30	26
81	35	29	25
80	34	28	24
79	33	27	23
78	32	26	22
77	31	25	21
76	30	24	20
75	29	23	19

74	28	22	18
73	27	21	17
72	26	20	16
71	25	19	15
70	24	18	14
69	23	17	13
68	22	16	12
67	21	15	11
66	20	14	10
65	19	13	9
64	18	12	8
63	17	11	7
62	16	10	6
61	15	9	5
60	14	8	4

GPA TABLE

Grade	Unweighted GPA	AP Weighted GPA		Honors Weighted GPA		CP Weighted GPA	
		Add	Result	Add	Result	Add	Result
100	4.0	2.00	6.00	1.50	5.50	1.00	5.00
99	4.0	2.00	6.00	1.50	5.50	1.00	5.00
98	4.0	2.00	6.00	1.50	5.50	1.00	5.00
97	4.0	2.00	6.00	1.50	5.50	1.00	5.00
96	3.70	2.00	5.70	1.50	5.20	1.00	4.70
95	3.70	2.00	5.70	1.50	5.20	1.00	4.70
94	3.70	2.00	5.70	1.50	5.20	1.00	4.70
93	3.40	2.00	5.40	1.50	4.90	1.00	4.40
92	3.40	2.00	5.40	1.50	4.90	1.00	4.40
91	3.40	2.00	5.40	1.50	4.90	1.00	4.40
90	3.10	2.00	5.10	1.50	4.60	1.00	4.10
89	3.10	2.00	5.10	1.50	4.60	1.00	4.10
88	3.10	2.00	5.10	1.50	4.60	1.00	4.10
87	2.80	2.00	4.80	1.50	4.30	1.00	3.80
86	2.80	2.00	4.80	1.50	4.30	1.00	3.80
85	2.80	2.00	4.80	1.50	4.30	1.00	3.80
84	2.50	2.00	4.50	1.50	4.00	1.00	3.50
83	2.50	2.00	4.50	1.50	4.00	1.00	3.50
82	2.50	2.00	4.50	1.50	4.00	1.00	3.50
81	2.20	2.00	4.20	1.50	3.70	1.00	3.20
80	2.20	2.00	4.20	1.50	3.70	1.00	3.20
79	2.20	2.00	4.20	1.50	3.70	1.00	3.20
78	1.90	2.00	3.90	1.50	3.40	1.00	2.90
77	1.90	2.00	3.90	1.50	3.40	1.00	2.90

76	1.90	2.00	3.90	1.50	3.40	1.00	2.90
75	1.60	2.00	3.60	1.50	3.10	1.00	2.60
74	1.60	2.00	3.60	1.50	3.10	1.00	2.60
73	1.60	2.00	3.60	1.50	3.10	1.00	2.60
72	1.30	2.00	3.30	1.50	2.80	1.00	2.30
71	1.30	2.00	3.30	1.50	2.80	1.00	2.30
70	1.30	2.00	3.30	1.50	2.80	1.00	2.30
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CRITERIA FOR HONORS AND ADVANCED PLACEMENT COURSES

For a student to be placed in Honors or Advanced Placement courses, they must meet the criteria outlined in the tables below.

HONORS

Course	Criterion 1	Criterion 2
English/History	93 or higher in current English or History class	Teacher Recommendation (for current students)
Math/Science	93 or higher in current Math or Science class	Teacher Recommendation (for current students)
Arts	93 or higher in current Arts class	Teacher Recommendation (for current students)
World Language	93 or higher in current Language class	Teacher Recommendation (for current students)

Performance on standardized grade assessments (Renaissance STAR, PSAT) may be taken into consideration to determine most appropriate placement.

ADVANCED PLACEMENT (AP)

Course	Grade	Criterion 1	Criterion 2	Criterion 3
American Government & Politics	10	550 ERW PSAT Score	90 or above in Honors World History	Teacher Recommendation
English Language & Composition	11	550 ERW PSAT Score	90 or above in Honors English 3	Teacher Recommendation
AP United States History	11	550 ERW PSAT Score	90 or above in Honors American Government	Teacher Recommendation
English Literature & Composition	12	580 ERW PSAT Score	85 or above in AP Eng. Lang. OR 95 or above in Honors Eng. 3	Teacher Recommendation
Online History (European, Human Geography, Psychology)	12	580 ERW PSAT Score	85 or above in AP Eng. Lang. OR 95 or above in Honors Eng. 3	Teacher Recommendation
Calculus AB	12	550 Math PSAT Score	90 or above in Honors Precalculus	Teacher Recommendation
Biology	12	580 ERW PSAT Score 550 Math PSAT Score	90 or above in Honors Biology	Teacher Recommendation
Physics 1	12	550 Math PSAT Score	90 or above in Honors Biology	Teacher Recommendation
Studio Art	11-12	No test score	90 or above in previous Honors Arts course	Teacher Recommendation

COURSE SELECTION WORKSHEET – Preparation for entering selections into PowerSchool

The following is provided to assist you in your course section process. In accordance with the requirements established by the Pennsylvania Department of Education and those of the Archdiocese of Philadelphia, a diploma is awarded to Neumann Goretti High School students for the successful completion of the prescribed course of studies. A student who completes four years at Neumann Goretti High School currently earns a minimum of 26 credits in grades 9 through 12 as follows:

4 credits Theology
4 credits English
3 credits Social Studies
3 credits Mathematics
3 credits Science
2 credits World Language
1 credit Health/Physical Education
1 credit Technology or Business
1 credit Fine Arts
3 credits Electives (not listed above)
25 Credits Minimum

Freshman Year	Course	Credit(s)
	Theology 1	
	English 1	
	World History	
	Algebra 1 or Geometry	
	Algebra 1 Extension	
	Biology H	
	Physics First	
	World Language	
	Fine Arts	
Sophomore Year	Course	Credits(s)
	Theology 2	
	English 2	
	American Government	
	Geometry	
	Algebra 2 (Double Math)	
	Chemistry	
	World Language	
	Fine Arts	
	Health/Physical Education	
Junior Year	Course	Credit(s)
	Theology 3	
	AP English Lang or English 3	
	Modern American History	
	Algebra 2	
	Pre-Calculus (Double Math)	
	Geometry	
	Algebra 2	
	Biology	
Senior Year	Course	Credit(s)
	Theology 4	
	AP English Lit or English 4	
	One course among Math, Science, Social Studies or 4th Year of World Language	
	Elective One	
	Elective Two	
	Elective Three	
	Elective Four	