

Quincy Notre Dame High School COURSE CATALOG



Founded on Catholic values,
Quincy Notre Dame educates lifelong learners
for lives of service.

2017-2018

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QUINCY NOTRE DAME HIGH SCHOOL
Course Descriptions and Guide to Student Program Planning

Introduction

Through a combination of varied instructional methods and courses, the curriculum at Quincy Notre Dame High School is designed to encourage the student to develop an interest in and appreciation of the learning process. The student is also challenged to think critically and acquire the skills necessary to meet the demands of an ever-changing world.

The student will be challenged to accept responsibility for his or her own education and develop the necessary tools to become a responsible Christian citizen. Teachers and students strive to achieve these goals in an atmosphere of mutual Christian concern and respect.

Accreditation

State of Illinois, Diocese of Springfield, AdvanceED

Requirements for Entrance

Students entering QND from eighth grade must have earned a diploma and/or passed the equivalent course work to begin as ninth grade students. Students entering other grade levels must exhibit the ability and desire to do the academic work. (Also see Admission Policy in the Student Handbook.)

Curriculum and Planning

This handbook is designed to help QND students and their parents shape an educationally effective course of studies. We hope that with serious planning on the part of the administration, counselors, teachers, parents and students we can graduate informed Christian citizens who will take their responsible places in our democratic society.

Some subjects are required of all students by QND. The requirements are listed in the section entitled QND Requirements for Graduation. Some of these requirements are mandated by the State of Illinois and/or by QND. The purpose of these requirements is to provide the student with basic understanding, knowledge and skills necessary in our society. No student may receive QND high school credit for a course taken elsewhere during the year if course is currently offered at QND. Prior approval in writing must be secured from the counselor for any summer school course a student wishes to take and receive credit for at QND.

In planning a program, a student should consider subjects to be taken, career goals and his/her commitments outside of school, including activities, employment and home responsibilities. Ample time and favorable conditions for study should be recognized as essential to satisfactory progress in school.

Graduation from Quincy Notre Dame High School requires 4 years of attendance and study in Grades 9 through 12. It should be recognized that a high school education involves more than the accumulation of credits. Mental, physical, and social growth is accomplished through thoughtfully planned and well organized programs of study and activity.

Grade Weighted Classes

The content, treatment of material in depth and speed, and expectations of students for independent pursuit of course goals are greater in these classes. Students must be highly motivated, able to work independently and creatively, and capable of high quality inductive and deductive reasoning. They must possess a real desire to learn and a willingness to face the challenge of learning. They must have developed good study habits and be able to communicate well orally and in writing.

Advanced Placement Classes

The content, the treatment of material and the expectations of students exceed those in grade-weighted courses. Advanced Placement (AP) is a cooperative educational program of the College Board. The A.P. program is a national program; its policies are determined by representatives of member institutions, and its operational services are provided by Educational Testing Service. Students taking A.P. courses usually take the appropriate A.P. examination in the spring to determine college credit.

In order to be accepted into an Advanced Placement course, a student must have an A or B in a prerequisite course and must have a recommendation form signed by an instructor of a prerequisite class. Class size will be limited. The recommendation forms are available from the Guidance Counselor.

Dual Enrollment Classes

The content, treatment of material, and expectations of the students are equal to those in advanced placement classes. Based on the fact that many young people can complete college-level studies in their secondary schools, it represents a desire of Quincy Notre Dame and Quincy University or John Wood Community College to foster such experiences. Classes meet three to five days per week and are taught by QU college professors or QND teachers* on the high school campus. These classes are also grade-weighted.

Credit Requirements

All students must carry a full program of studies. That is, Seniors must carry 6 credits, Juniors, Sophomores and Freshmen must carry 6.5 credits. A total of 25 credits will be required to graduate.

QUINCY NOTRE DAME GRADUATION REQUIREMENTS **

| <u>Department</u> | <u>Number of Credits</u> |
|--|--|
| Business (Consumer Economics - State Mandated) | .25 |
| Computer Applications - All Freshmen Required To Take | .50 |
| Driver's Ed *** | .50 |
| English | 4.00 |
| Fine Arts (Art, Music, Speech, Music Appreciation, Music Theory) | .50 |
| Health - State Mandated | .50 |
| Mathematics | 3.00 |
| Physical Education - State Mandated | 1.00 |
| Religion | 4.00 |
| Science | 2.00 |
| Social Studies **** | 2.50 |
| Electives | As needed to total credits required for graduation |

* Refers to teachers that hold a masters degree in the dual credit content.

** See individual department for specific requirements.

*** All students who are Illinois residents must take Classroom Course and Behind-the-Wheel-State Mandated

**** U.S. and Illinois Constitution, included in Government - State Mandated

Class Status

A student must have earned the following credits to be awarded status as:

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|-----------|--------------|
| Sophomore | 6.5 credits |
| Junior | 13.0 credits |
| Senior | 19.5 credits |

For more information, please contact the Quincy Notre Dame Counseling Department:

Judy Liesen: 223-2479 ext. 312 jliesen@qndhs.org

Bob Sheffield: 223-2479 ext. 320 bsheffield@qndhs.org

REQUIREMENTS FOR ADMISSION TO PUBLIC UNIVERSITIES

Public Act 86-0954, establishes high school course requirements for admission to public universities. All Illinois public universities require the following courses for admission. Some colleges may have yet higher requirements other than those listed.

In addition to high school course requirements, public universities will continue to consider other measures in making admission decisions, such as high school grade point average, high school rank, or entrance examination scores. (ACT or SAT)

In some subject areas, the number of units differ, depending upon the school.

| <u>UNITS</u> | <u>SUBJECTS</u> |
|--------------|---|
| 4 | <u>English</u> (with an emphasis on written and oral communication) |
| 2 | <u>Foreign Language, Art*, Vocational Education, or Music</u> |
| 3 | <u>Mathematics*</u> (Algebra, 1 unit; Geometry, 1 unit; and Algebra II, 1 unit) |
| 3 | <u>Science</u> |
| 2.5 or 3 | <u>Social Studies**</u> (with an emphasis on history and government) |

Admission requirements for private college and universities vary.

The public universities have adopted minimum subject requirements in an effort to help high school students improve their academic preparation for baccalaureate degree programs. Students who have not taken the required subjects but wish to enter a baccalaureate degree program may sometimes be admitted to public universities on a provisional basis.

* Missouri State Universities require 4 credits in Math and 1 credit in fine arts

** Check with schools of interest

NOTE for college-bound student athletes: Please check the NCAA Eligibility Center website (www.eligibilitycenter.org) for eligibility requirements and/or NAIA Eligibility Center website (www.PlayNAIA.org).

**QUINCY NOTRE DAME HIGH SCHOOL
FOUR YEAR PLAN
PLANNING SHEET
REQUIRED TO GRADUATE: 25 CREDITS**

FRESHMEN

| | |
|-------------------|-------------|
| Freshman Religion | 1.00 credit |
| Freshman English | 1.00 credit |
| Physical Science | 1.00 credit |
| Mathematics | 1.00 credit |
| World History | 1.00 credit |
| Freshman Seminar | .50 credit |
| P. E. | .50 credit |
| Driver's Ed * | .50 credit |
| | |

Minimum of 6.50 credits

SOPHOMORES

| | |
|--------------------|-------------|
| Sophomore Religion | 1.00 credit |
| Sophomore English | 1.00 credit |
| Biology | 1.00 credit |
| Mathematics | 1.00 credit |
| Health | .50 credit |
| Driver's Ed * | .50 credit |
| P. E. | .50 credit |
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Minimum of 6.50 credits

JUNIORS

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|------------------|-------------|
| Junior Religion | 1.00 credit |
| Junior English | 1.00 credit |
| American History | 1.00 credit |
| Mathematics | 1.00 credit |
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Minimum of 6.50 credits

SENIORS

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|-----------------|-------------|
| Senior Religion | 1.00 credit |
| Senior English | 1.00 credit |
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Minimum of 6.0 credits

NOTE:

Blank lines are for courses of your choice. Keep in mind that there are additional courses needed for graduation. These include Consumer Ec., Government, Fine Arts, and P.E. Please note the number of required credits at each grade level. Additional elective courses must be chosen to meet the minimum number of credits. Availability of some courses may depend on number of students enrolled.

* Will be scheduled either freshman or sophomore year depending on date of birth.

BUSINESS DEPARTMENT

The Business Department philosophy is to provide an education that will help the students in their problems and responsibilities of everyday living, as well as being beneficial to those students going on to college and to students seeking employment immediately after graduation.

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| ACCOUNTING I | This course provides a general basis for a career in business. It is designed to acquaint the student with the complete structure of the accounting cycle including source documents, journalizing, posting and preparation of financial and computerized accounting programs. The material provides a solid background for those planning to continue their education after high school in business and/or manage their own records. | LENGTH: 1 year YEAR: 10, 11, 12 CREDITS: 1.0 |
| ACCOUNTING II | In this course, the student increases his or her technical competence and receives a broader understanding of financial accounting. Topics include financial statements, capital distribution, uncollectible accounts, depreciation, accruals and stock ownership. A unit on cost/managerial accounting is also covered. This course is designed for college bound students who may choose the business field as a major. This is an individualized instructional approach and instructor approval is required before enrolling. Prerequisite: Accounting I | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |
| BUSINESS LAW | This course will teach the students about the various facets of our legal system. The students will learn about laws for minors, families, and consumers. They will also learn about contracts, torts and property laws. | LENGTH: 1 semester YEAR: 11, 12 CREDITS: 0.5 |
| BUSINESS MANAGEMENT | This course is designed to prepare the student for today's high-tech work place. Job simulations will be used to teach the aspects of management, advertising and marketing. By the completion of this course, students will be able to: <ul style="list-style-type: none"> • Analyze dilemmas that workers encounter in real life • Understand how technology is used to influence the way we do business • Further an awareness of the diversity in the work force and society • Continue investigating career opportunities • Develop problem-solving skills • Recognize and develop appropriate work habits | LENGTH: 1 semester YEAR: 11, 12 CREDITS: 0.5 |
| CONSUMER ECONOMICS | Emphasis is placed on our economic system and the role each student plays as a consumer. Topics covered include careers, money management, advertising, credit, taxes, saving and investing, insurance and auto ownership. | LENGTH: 1 semester YEAR: 10, 11, 12 CREDITS: 0.5 |
| PERSONAL FINANCE * | This course is an introduction to personal financial planning. Financial topics include: careers, time value of money, budgeting, financial statements, use and misuse of credit, purchase decisions, insurance and healthy financial planning. Investment basics including stocks, bonds, mutual funds, and asset allocation are also introduced in this course. The purpose of the course is to provide the student with fundamental principles, generalizations and theories of Personal Finance. Students will learn to utilize financial principles to maintain a stable financial future. Additional expense includes a discounted tuition to QU and purchase of the current textbook. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |

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| PRINCIPLES OF MARKETING * | A survey of the field of marketing, designed to give basic understanding of the principles of marketing and the operation of our marketing system. This is a Smart Start online course offered through JWCC. The course will be completed at QND. This course is BUS 131 in the JWCC course catalog. The text must be purchased separately through JWCC bookstore. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |
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* This course is a grade-weighted course.

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| FRESHMAN SEMINAR | This mandatory course will help students acquire skills and strategies to become lifelong learners. Topics include: <ul style="list-style-type: none"> • study skills, time management, organization • responsibility—personal and as a member of a group • decision making • respect for self and others • sportsmanship and citizenship • computer skills/iPad skills, digital citizenship | LENGTH: 1 semester YEAR: 9 CREDITS: 0.5 |
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CAREERS IN COMPUTERS

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| Actuary Air Traffic Controller App Designer Audio-Visual Technician Bioinformatics Specialist Broadcast Technician Business Systems Analyst Cable Installation And Repair Cartographer Civil Engineering Tech Computer Animator Computer Hardware Engineer Computer Network Specialist Computer Programmer Computer Scientist Computer Software Engineer Computer Support Computer Trainer Data Entry Clerk | Database Developer Desktop Publisher Drafter E-Business Consultant Electrical Engineer Electroneurodiagnostic Tech Electronics Engineer Electronics Repair Gis Specialist Graphic Designer Health Records Professional Industrial Engineering Tech Industrial Machinery Mechanic Information Security Analyst Inventor IT Project Manager Librarian Manufacturing Machine Operator Medical Imaging Tech | Model Maker Multimedia Developer Office Machine Repair Operations Research Analyst Photographic Processor Printing Press Operator Recording Engineer Shipping And Receiving Clerk Sound Technician Special Effects Technician Statistician Technical Writer Video Game Developer Web Developer Webmaster Website Designer |
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CAREERS IN BUSINESS

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| Account Manager Accountant Administrative Assistant Advertising Agent Appraiser Association Manager Auctioneer Auditor Bank Manager Bank Teller Bus. Systems Analyst Career Coach Communications Specialist Construction Manager Corporate/Commercial Lawyer Corporate Trainer Cost Estimator Credit Counselor Customer Service Rep. Customs Broker Data Entry Clerk E-Business Consultant Economic Dev. Officer Economist Entrepreneur Environmental Consultant | Event Planner Farmer Fashion Retailer Florist Forensic Accountant Fundraiser Health Care Administrator Hotel Manager Human Resources Importer/Exporter Industrial Engineer Insurance Agent Insurance Underwriter Investment Advisor/Banker IT Project Manager Landsman Legal Secretary Loan Officer Logistics Specialist Management Consultant Manufacturing Manager Market Research Analyst Marketing Specialist Media Buyer Medical Assistant Medical Secretary Money Manager Mortgage Broker | Municipal Clerk Office Manger Personal Financial Planner Principal Private Investigator Producer Property Manager Publisher Purchaser Radio/Television Program Director Real Estate Agent Real Estate Appraiser Receptionist/Information Clerk Recruiter Research Analyst Retail Buyer Sales Representative Shipping and Receiving Clerk Sports Marketer Superintendent Tax Preparer Technical Sales Representative Telemarketer Trader Venture Capitalist Volunteer Manager |
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ENGLISH DEPARTMENT

Perhaps the most compelling need among students today is the need to develop the ability to make responsible judgments: judgments about their own attitudes and actions, about society's demands and goals. To choose and judge effectively, young people must have historical perspective, relevant knowledge from many disciplines, and an open forum in which to examine and confront issues. The study of literature each year provides that perspective, knowledge, and forum.

The curriculum of the English Department also develops students' abilities in the four areas of communication: reading, writing, speaking, and listening. Each year students review skills in these areas and receive instruction in further refinement of them.

DEPARTMENT REQUIREMENTS: Four (4) credits are required for graduation; one credit per year.

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| ENGLISH I | Study skills, introduction to the various genres of literature; grammar and usage review; sentence improvement; paragraph writing; introduction to research modes both written and electronic; evaluation of sources; introduction to works cited page; vocabulary study; speech experiences; introduction to the essay. | LENGTH: 1 year YEAR: 9 CREDITS: 1.0 |
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| ENGLISH II | Review of the genres of literature; review and extensive use of the grammar, usage, and writing skills learned in 9th grade; review of paragraph writing styles, research practice, essay and MLA format; speech experiences; vocabulary studies. | LENGTH: 1 year YEAR: 10 CREDITS: 1.0 |
| ENGLISH III | American literature; improvement of writing through context of American literature; vocabulary study; preparation for the ACT test; essay and research practice; speech experiences. | LENGTH: 1 year YEAR: 11 CREDITS: 1.0 |
| ENGLISH IV | This course seeks to prepare students for successful college study and life. Western literature with an emphasis on English literature is stressed in an historical approach. Writing skills emphasize persuasive, expository and explicatory writing and include a formal research paper. Business writing, computer communication, movie critiquing and speech experiences are included. | LENGTH: 1 year YEAR: 11 CREDITS: 1.0 |
| SPEECH: FUNDAMENTALS OF PUBLIC SPEAKING * | This course is an introduction to the basic principles of oral communication as applied to public speaking. The course emphasizes the mastery of oral communication skills through a variety of exercises in which the student speaks before the group. It involves analysis of such topics as preparation, organization and delivery. This course fulfills the Fine Arts requirement and may be taken for dual credit. It is equivalent to QU's COM 101. Additional QU expense for tuition will apply. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |
| JOURNALISM | Journalism is an elective course designed to examine the role of journalism and immerse students in active participation in the production of the school newspaper and yearbook. The course will cover news gathering, ethics, copy writing, differentiated writing styles, photography, editing and revising. Through an analysis of newspapers, magazines, and a variety of other publications, students will explore digital photography, layout, and digital art, and will focus on journalistic writing in order to publish the school newspaper <i>The Broadcaster</i> and the yearbook <i>The Pride</i> . | LENGTH: 1 semester YEAR: 9, 10, 11, 12 CREDITS: 0.5 |

* This course is a grade weighted course.

Books which are reserved for the following years:

English I: *Of Mice and Men, The Contender, Romeo and Juliet, Heart of a Champion, Alive, Black Like Me, The Wave, Downsiders, Swallowing Stones, The Hobbit, Dr. Jekyll and Mr. Hyde, Adventures of Tom Sawyer, And Then There Were None, The Book Thief, Hunger Games*

English II: *To Kill a Mockingbird, Silas Marner, Julius Caesar, Night, A Separate Peace, The War of the Worlds, The Road, Fahrenheit 451, Frankenstein, Dandelion Wine, Midsummer Night's Dream, The Absolutely True Diary of a Part-time Indian, Oleander Girl*

English III: *The Great Gatsby, The Scarlet Letter, The Adventures of Huckleberry Finn, The Old Man and the Sea, Death of a Salesman, Ethan Frome, The Crucible, Taking of Room 114, The Fountainhead, Spoon River Anthology, Walking Across Egypt, Finding Forrester, I Know Why The Caged Bird Sings, The Help*

English IV: *Oedipus Rex, Antigone, The Stranger, Pride and Prejudice, Pygmalion, Ordinary People, Gulliver's Travels, Cyrano de Bergerac, Hamlet, Macbeth, Catcher in the Rye, Tale of Two Cities, Lively Art of Writing*

CAREERS IN ENGLISH

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| Activist Actor Administrative Assistant Adult Education Teacher Advertising Copywriter Airline Customer Service Agent Announcer Archivist Arts Administrator Casting Director Civil Litigator Communications Specialist Computer Trainer Corporate/Commercial Lawyer Corporate Trainer Court Clerk Court Reporter Criminal Lawyer Critic Customer Service Representative Data Entry Clerk Desktop Publisher | Director Dispatcher Driver License Examiner Editor Elementary School Teacher ESL Teacher Film Editor High School Teacher Instructional Coordinator Insurance Claims Adjuster Lawyer Legal Secretary Librarian Library Technician Lobbyist Marketing Specialist Medical Transcriptionist Motivational Speaker Multimedia Developer Paralegal Political Aide Postal Clerk | Principal Print Journalist Professor Proofreader Public Relations Specialist Publisher Radio/Television Program Director Receptionist/Information Clerk Sales Representative School Superintendent Sign Language Interpreter Special Education Teacher Stenographer Teacher Assistant Technical Writer Telemarketer Telephone Operator Television/Radio Reporter Title Examiner Writer |
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FINE ARTS DEPARTMENT

DEPARTMENT REQUIREMENTS: A half credit (0.5) is required in Fine Arts. Taking Music, Speech or Art can fulfill this requirement. If Band or Chorus is chosen, it must be taken the full year.

ART DEPARTMENT

The Art Department strives to maintain an atmosphere for growth and learning in the visual arts. Students will be exposed to art history and the basic elements and principles of art. They will be encouraged to develop their creative initiative and problem solving skills, and will experience a variety of media in the creative process.

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| ADVANCED STUDIO ART | Students that have completed all previous Art classes are eligible for consideration in the Advanced Art class. In this class, students will develop their skills in several areas such as drawing, painting, mixed media and/or ceramics. The quality of their work will be stressed in preparation for displays and future works submitted for shows or college. The students will work independently, so they need to be responsible and self-disciplined to complete the required number of works each quarter. Matting techniques will be taught as each student prepares his or her own portfolio of at least eight (8) strong works. A research paper on an artist, art era, or art style of the student's choice will be required. Entrance must be approved by the art teacher and selection will be based on performance and grades in prior art classes. Prerequisites: Art 1, Art 2 Drawing, Painting, and Pottery. | LENGTH: 1 semester YEAR: 11, 12 only CREDITS: 0.5 |
| ART FOUNDATIONS I | The objective of this course is to acquaint students with the basic elements and principles of design. Students will develop art skills and art vocabulary creating a variety of works with a primary introduction to drawing, painting, collage, and sculpture techniques. Art history will be incorporated into each project and tests will be given. | LENGTH: 1 semester YEAR: 9, 10, 11, 12 CREDITS: 0.5 |

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| ART FOUNDATIONS II | This course is a continuation of the processes, techniques, and knowledge acquired in Art Foundations I, with new media and techniques introduced. The elements and principles of design will be reviewed and incorporated into both 2 and 3-dimensional assignments. Students will experience a wide variety of media and develop their skills of visual expression and problem-solving in drawing, painting, sculpture, design, and calligraphy. Art history will be incorporated into each project and tests will be given. Prerequisite: Art Foundations I. | LENGTH: 1 semester YEAR: 10, 11, 12 CREDITS: 0.5 |
| DRAWING | Students will develop their ability to draw through observation and drawing techniques, along with learning the skills of perception. Drawings will include still life, figure, abstract, imaginary, and realistic subjects. A variety of media will be used including pencil, black marker, charcoal, scratchboard, colored pencils, pastels, and oil pastels. Art history will be incorporated into the projects and tests will be given. Prerequisite: Art Foundations I | LENGTH: 1 semester YEAR: 9, 10, 11, 12 CREDITS: 0.5 |
| GRAPHIC DESIGN I | This course will present the student with an introduction to the fundamentals of graphic design. It will introduce and allow students to learn the basics of Adobe Illustrator, Adobe InDesign, and Adobe Photoshop by editing images, creating digital illustrations and logos, newsletters, brochures, and other projects associated with print communication. The goal of this course is to provide students foundational skills in graphic design and give students knowledge and skills necessary for further study or employment in the field of graphic design. | LENGTH: 1 semester YEAR: 11, 12 CREDITS: 0.5 |
| GRAPHIC DESIGN II | This course is a continuation of the introductory level course bringing together the skill and the concepts learned in Graphic Design I. Assignments will challenge students with new techniques and more in-depth problems to be solved. The goal of this course is to further develop students' skills in graphic design and knowledge necessary for advanced study or employment in the field of graphic design. | LENGTH: 1 semester YEAR: 11, 12 CREDITS: 0.5 |
| PAINTING | Students will explore color theory as well as the basic techniques and qualities of tempera, watercolors, pastels, oil pastels, and acrylics. A study of American as well as European artists and art movements will serve as background for their painting experiences. Art history will be incorporated into the projects and tests will be given. | LENGTH: 1 semester YEAR: 10, 11, 12 CREDITS: 0.5 |
| POTTERY | Students will develop their skills in working with the basic techniques of pottery. Objects will be hand-made or wheel-thrown. The various methods (pinch, slab, coil) will be taught and used in at least 8 projects. Pre-Columbian, Native American, African and Chinese cultures will be studied and tests will be given. Can be taken either 1st OR 2nd Semester. | LENGTH: 1 semester YEAR: 12 only CREDITS: 0.5 |

MUSIC DEPARTMENT

The Music Department seeks to deepen the student's experience and appreciation of music through the various class activities and musical performance opportunities offered. It strives to recognize and develop musical abilities and talents in students and to encourage them to share their gifts with others, thus further contributing to each person's and to society's cultural enrichment and growth.

| | | |
|---------------------------------------|--|--|
| BAND Marching, Concert, Pep | Band offers students interested in playing a brass, woodwind or percussion instrument the opportunity to belong to an organization that both trains and performs continually throughout the year. Students learn to read music in addition to music history, theory and styles. Band is a curricular subject which meets daily. In addition to formal concerts, the Concert/Marching/Pep/Jazz Bands perform at extra-curricular activities such as basketball and football games, parades, District & State level music competitions and festivals, local service groups, community events, and patriotic services. Individual band students also perform in solos and ensembles for school assemblies, Masses, contest, and special occasions. It is possible for interested students with no prior music background to begin learning to play an instrument. Contact the Band Director to arrange for instruction. | LENGTH: 1 year YEAR: 9, 10, 11, 12 CREDITS: 1.0 |
| CONCERT CHORALE | Concert Chorale is designed for the experienced performer. Prior musical experience is recommended through successful completion of Mixed Chorus or an equivalent ensemble. Students perform at all school Masses, the Fall Choral Concert, Christmas Choral Concert and assemblies, as well as the Spring Show and Spring Choral Concert. Emphasis is placed on advanced vocal technique, performance skills, music literacy and advanced part singing. As part of their music education, students will also learn advanced music theory and history. | LENGTH: 1 year YEAR: 10, 11, 12 CREDITS: 1.0 |
| MIXED CHORUS | In Mixed Chorus, the fundamentals of proper vocal technique, music literacy and part singing are learned. This chorus is open to all with no prior musical experience necessary. Students perform at all school Masses, the Fall Choral Concert, the Christmas Choral Concert and assemblies, as well as the Spring Show and Spring Choral Concert. Students who successfully complete Mixed Chorus are eligible to audition for advancement into Concert Chorale. | LENGTH: 1 year YEAR: 9, 10, 11, 12 CREDITS: 1.0 |
| MUSIC APPRECIATION | This course explores the concepts, styles, techniques, instruments and history of music from the Medieval through the Classical eras. Enhanced multimedia CD's are used to provide listening examples of various types of instruments and forms of music. This course fulfills the Fine Arts requirement. | LENGTH: 1 semester YEAR: 9, 10, 11, 12 CREDITS: 0.5 |

EXTRACURRICULAR FINE ARTS ELECTIVES

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|--|---|--|
| SPEECH: FUNDAMENTALS OF PUBLIC SPEAKING * | This course is an introduction to the basic principles of oral communication as applied to public speaking. The course emphasizes the mastery of oral communication skills through a variety of exercises in which the student speaks before the group. It involves analysis of such topics as preparation, organization and delivery. This course fulfills the Fine Arts requirement and may be taken for dual credit. It is equivalent to QU's COM 101. Additional QU expense for tuition will apply. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |
| INTRODUCTION TO HUMANITIES* | Study of human values, self-perceptions, and aspirations expressed in drama, film, music, literature, painting, sculpture, and architecture with an emphasis on history, techniques, meaning, and evaluation of individual works. This is a Smart Start online course offered through JWCC. The course will be completed at QND. This course is HUM 101 in the JWCC course catalog. The text must be purchased separately through JWCC bookstore. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |

* This course is a grade-weighted course

JAZZ BAND Reeds, Brass, Drums, Piano, Guitar and Bass players are provided the opportunity to learn various popular music styles including Dixieland, Big Band Swing, Jazz and Jazz-Rock. Lessons in music theory and improvisation are included. This extracurricular ensemble meets outside of school time and does not receive credit. Students must audition.

MADRIGAL CHOIR This ensemble is a non-credit auditioned chamber choir that rehearses one day a week after school. It is intended for the serious student well-trained in the choral arts. Primarily a capella, Madrigal Choir emphasizes excellence in vocal performance and will perform a wide range of repertoire from early chamber music to jazz.

MEN'S AND WOMEN'S GLEE These extra-curricular ensembles explore repertoire written for men's and women's voices. A range of music is learned, from folk to classical to barbershop and doo-wop. Both ensembles rehearse once a week. No audition is required, but students must demonstrate the ability to sing in parts. Students admitted at the discretion of the director.

PRIVATE LESSONS Band and chorus students who take any of the above courses and who study privately with a certified musician/teacher may receive .25 credit for these private lessons. Registration for this credit will be held in the Music Department in September. Advance permission from QND Music faculty is required.

CAREERS IN FINE ARTS

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|--------------------------------|--------------------------------------|---------------------------|
| Acting Instructor | Director | Musician |
| Actor | Director Of Photography | Nail Technician |
| Animator | Disc Jockey | Painter |
| Antique Dealer | Drafter | Photographer |
| Appraiser | Exhibit Designer | Photographic Processor |
| Art/Music Therapist | Fashion Designer | Photojournalist |
| Art Dealer | Fashion Retailer | Picture Framer |
| Art Director | Film And TV Crew | Potter |
| Artist | Film Editor | Recording Engineer |
| Baker | Florist | Recreation Therapist |
| Band Director | Furniture Finisher | Set Designer |
| Bookbinder | Graphic Designer | Sign Maker |
| Camera Operator | Hairstylist | Singer |
| Cartoonist | Illustrator | Sound Technician |
| Casting Director | Image Consultant | Special Effect Technician |
| Chef | Industrial Designer | Tailor/Dressmaker |
| Choreographer/Dance Instructor | Interior Decorator | Tattoo Artist |
| Circus Performer | Interior Designer | Taxidermist |
| Clothing Manufacturer | Jeweler | Teacher |
| Comedian | Landscape Architect | Upholsterer |
| Composer | Lighting Technician | Video Game Developer |
| Computer Animator | Magician | Visual Merchandiser |
| Director | Makeup Artist | Webmaster |
| Conservator | Medical Illustrator | Website Designer |
| Cosmetologist | Model | |
| Costume Designer | Model Maker | |
| Craftsperson | Multimedia Developer | |
| Curator | Music Teacher | |
| Dancer | Musical Instrument Building & Repair | |
| Desktop Publisher | | |

FOREIGN LANGUAGE DEPARTMENT

In today's ever changing and multi-cultural world, the study of foreign language is an essential tool. In a world growing increasingly smaller, the multi-racial and cross-cultural effects of the study of foreign language benefit all students psychologically, intellectually, and aesthetically.

It is the mission of the Foreign Language Department at Quincy Notre Dame High School to educate youth, adding another dimension to their own way of life, enabling them to become more effective members of their Church, nation, and world. Presenting language as a living, changing being, we strive to provide the attention to grammar which makes written communication possible while highlighting verbal communication in the cultural atmosphere of the target language.

A variety of educational techniques enhances and reinforces the target language. The students experience the language through texts, workbooks, listening comprehension exercises, computer technology, target language videos, and cultural experiences.

The business world has learned the value of foreign language education. When the Fortune 500 companies were polled, they indicated the study of a foreign language would improve the likelihood of employment in the following fields:

Business management and administration, marketing and sales, engineering, finance, accounting, secretarial skills, international relations, economics, data processing, law, advertising, communications, library skills, civil engineering, statistics, journalism, public relations, psychology, sociology, medicine, cultural studies, political science, fine arts, and public administration.

Now more than ever, we need an understanding of all peoples. Through the study of foreign languages we learn to communicate and gain valuable insight into other cultures.

DEPARTMENT REQUIREMENTS: A minimum number of students is required for any course to be offered. Any student enrolled in first or third year language must complete two years, unless permission to withdraw is approved by the instructor.

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| GERMAN I | Students will explore this foreign language by immersing themselves in oral and written German. They will learn vocabulary and apply it to basic grammar structure. An introduction to the culture and history of the Germanic peoples is included in this course. | LENGTH: 1 year YEAR: 9, 11 CREDITS: 1.0 |
| GERMAN II | This course is an extension of German I. Students will improve their reading, writing and speaking skills. To supplement their in-class studies, students will have the opportunity to participate in the German American Partnership Program. This is an exchange program sponsored by the U.S. State Department and the German Foreign Office. This program helps students to solidify their German skills by using in real life situations. At the end of German II, eligible students will be recommended to take the A1 language certification test at the Goethe-Institut in Chicago. Prerequisite: German I or equivalent | LENGTH: 1 year YEAR: 10, 12 CREDITS: 1.0 |
| GERMAN III | German III incorporates the skills mastered in German I and German II. Students will use their skills to focus on literature and history as well as written and spoken German. An intense grammar program will accompany this course. Students will again have the opportunity to participate during their German III course in the German American Partnership Program exchange. Participation in this exchange will greatly enhance the materials learned in the classroom. Prerequisite: German II or equivalent | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |

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| GERMAN IV | Students in German IV will expound upon their lessons from German III. They will apply their German language skills to real-life applications such as websites, daily/weekly publications, books and television. At the end of 4 th year German, students will be recommended to take the A2 language certification test at the Goethe-Institut in Chicago. Prerequisite: German III or equivalent | LENGTH: 1 year YEAR: 12 CREDITS: 1.0 |
| SPANISH I | The introductory course in Spanish stresses speaking and listening along with the introduction of elementary grammar, vocabulary, Spanish history, and culture. It utilizes the oral interactive method. | LENGTH: 1 year YEAR: 9, 10, 11, 12 CREDITS: 1.0 |
| SPANISH II | A continuation of the listening and speaking program and a more explicit and intensive coverage of the structure of the language is offered at the second level. There is an emphasis on grammar and development of oral skills. Prerequisite: Spanish I | LENGTH: 1 year YEAR: 10, 11, 12 CREDITS: 1.0 |
| SPANISH III | A varied program of listening, speaking and writing is integrated with a basic introduction to Spanish short stories designed to enrich the vocabulary and provide some knowledge of Spanish culture. Conversational skills are used in several oral techniques. Prerequisite: Spanish II or equivalent | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |
| SPANISH IV | Level four offers an intensive review of Spanish grammar and gives the student the opportunity to explore Spanish history and literature, implementing the already acquired tools of the language. There are several lessons aimed at oral proficiency. Prerequisite: Spanish III or equivalent | LENGTH: 1 year YEAR: 12 CREDITS: 1.0 |

CAREERS IN FOREIGN LANGUAGE

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| Adult Education Teacher Airline Customer Service Agent Anthropologist Community Worker Concierge Court Reporter Customer Service Representative Dispatcher Teacher Federal Agent Flight Attendant Foreign Language Instructor Foreign Service Officer | Hotel Desk Clerk Craftsperson Curator Dancer Desktop Publisher Instructional Coordinator Interpreter Mediator Political Aide Professor School Superintendent Sign Language Interpreter Social Worker | Speech-Language Pathologist Stenographer Teacher Assistant Telemarketer Telephone Operator Translator Travel Agent Multimedia Developer Music Teacher Musical Instrument Building & Repair |
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MATHEMATICS DEPARTMENT

Mathematics is a creation of the human mind, concerned primarily with ideas and their organization in a logical way. As a way of thinking, it is used to solve all kinds of problems in the sciences, government, and industry.

DEPARTMENT REQUIREMENTS: Three credits in Math are required for graduation. Freshmen are required to take Algebra I or Geometry.

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| ALGEBRA IA | This course is designed for mastery of basic algebra I skills as well as advanced algebra I topics. Concepts covered include Solving Equations and Inequalities, Graphs and Functions, Systems of Linear Equations and Inequalities, Exponential Functions, Polynomials and Factoring, and Quadratic, Radical, and Rational Functions. Based on freshman placement exam and eighth grade teachers' recommendations, students are placed in either Algebra IA or Algebra IB. | LENGTH: 1 year YEAR: 9, 10, 11, 12 CREDITS: 1.0 |
| ALGEBRA IB | This course is designed for mastery of basic algebra I skills. Concepts covered include Solving Equations and Inequalities, Graphs and Functions, Systems of Linear Equations and Inequalities, Exponential Functions and Polynomials. Students who complete this course will continue on to Geometry B unless recommended for Geometry A by the teacher. Based on freshman placement exam and eighth grade teachers' recommendations, students are placed in either Algebra IA or Algebra IB. | LENGTH: 1 year YEAR: 9 CREDITS: 1.0 |
| ALGEBRA IIA | This course is the follow-up to Geometry covering basic Algebra II topics as well as advanced Algebra II topics. A student that completes this course can continue with Analysis, Functions, Statistics & Trigonometry or Applied Math. Concepts covered include Quadratic Functions and Equations, Polynomials and Polynomial Functions, Radical Functions and Rational Exponents, Exponential and Logarithmic Functions, Rational Functions, Sequences and Series, Conic Sections, Trigonometry Concepts and Matrices. After successfully completing this course, a student should be prepared for college level algebra and Analysis. Algebra II cannot be taken before Geometry. Prerequisite: A or B in Algebra I and Geometry A | LENGTH: 1 year YEAR: 10, 11, 12 CREDITS: 1.0 |
| ALGEBRA IIB | This course is the follow-up to Geometry B covering basic Algebra II topics. A student that completes this course can continue with Functions, Statistics & Trigonometry or Applied Math. Concepts covered include Quadratic Functions and Equations, Polynomials and Polynomial Functions, Radical Functions and Rational Exponents, Exponential and Logarithmic Functions, Rational Functions, Sequences and Series, Conic Sections and Trigonometry Concepts. Prerequisite: Algebra I, Geometry A or B. | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |
| A.P. CALCULUS* | Calculus is an Advanced Placement course. Upon completion of this class students may take the Advanced Placement exam and possibly earn college credit. Calculus is a college-level mathematics class and is recommended for seniors who have a thorough knowledge of analytic geometry, elementary functions, algebra, geometry and trigonometry. This course covers algebraic functions, limits and continuity, differentiation and integration of logarithmic, exponential, trig functions, and business applications. Graphing calculators are used and each student is expected to purchase the calculator recommended by the teacher. This course should be taken only by students with excellent mathematical ability who wish to prepare for college work in mathematics, chemistry, physics, engineering or medicine. Prerequisite: completion of Analysis with an A or B | LENGTH: 1 year YEAR: 12 CREDITS: 1.0 |

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| APPLIED MATH | This is a 4 th year math course for students who have completed Algebra I, Geometry A or B, and Algebra II A or B. Applied Math is not recommended for students who earned a C or higher in Algebra IIA. This course revisits most of the concepts covered in previous courses, but with more real-world applications. Topics covered include statistics, some trigonometry, as well as consumer math. This course may not be accepted for a college prep credit. This class was designed for students who have taken the B level math classes and want to keep math fresh before heading to college. | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |
| ANALYSIS* | Math Analysis is a Pre-Calculus course. First semester is devoted to the study of trigonometry and its applications. The remainder of the year is spent emphasizing functions, sequences, logarithms, advanced Algebra II concepts, and an introduction to Calculus. This course is only recommended for students who plan to go on in a math or science related field and have both an interest in mathematics and excellent mathematics ability. The student must be able to analyze situations. Prerequisite: A or B in Algebra IIA. | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |
| FST (Functions, Statistics & Trigonometry) | Functions, Statistics, and Trigonometry is a 4 th year math course for those students who have completed Algebra I, Geometry, and Algebra II. It is a slower moving course than Analysis that features topics in statistics, functions, trigonometric and circular functions, sequences, series, binomial theorem and probability. This class is for college bound or highly skilled work force bound students. Prerequisite: completion of Algebra IIA or Algebra IIB with an A or B | LENGTH: 1 year YEAR: 12 CREDITS: 1.0 |
| GEOMETRY A | This course is designed for mastery of basic geometry concepts and applications, as well as higher level reasoning skills and logical arguments. Concepts covered in this course include Deductive and Inductive Reasoning, Plane Geometry, Parallel Lines, Congruence and Similarities, Surface Area, Volume with basic Trigonometry and Proofs. Students taking this class can take Algebra IIB or IIA the following year. Highly recommended for college bound students. Prerequisite: completion of Algebra I. | LENGTH: 1 year YEAR: 9, 10, 11, 12 CREDITS: 1.0 |
| GEOMETRY B | This course is designed for mastery of basic geometry concepts and applications. Concepts covered in this course include Deductive and Inductive Reasoning, Plane Geometry, Parallel Lines, Congruence and Similarities, Surface Area, Volume with basic Trigonometry. Students taking this class will take Algebra IIB the following year. Prerequisite: completion of Algebra I | LENGTH: 1 year YEAR: 10, 11, 12 CREDITS: 1.0 |

* This course is a grade-weighted course

CAREERS IN MATHEMATICS

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| Account Manager | Criminologist | Management Consultant |
| Accountant | Database Developer | Market Research Analyst |
| Actuary | Diesel Technician | Quality Controller |
| Aerospace Engineer | Drafter | Materials/Metallurgical Engineer |
| Air Traffic Controller | Ecologist | Mathematician |
| Aircraft Mechanic | Economist | Mechanical Engineer |
| Appraiser | Electrical Engineer | Meteorologist |
| Architect | Electrician | Millwright |
| Astronaut | Electronics Engineer | Mining Engineer |
| Astronomer | Elevator Installation/Repair | Money Manager |
| Auditor | Energy Auditor | Naval Architect |
| Automotive Service Technician | Engineering Tech | Nuclear Engineer |
| Avionics Tech | Environmental Engineer | Radiation Therapist |
| Bank Manger | Epidemiologist | Real Estate Appraiser |
| Bank Teller | Explosives Specialist | Research Analyst |
| Bill And Account Collector | Farm Equipment Technician | Scientist |
| Bioinformatics Specialist | Fashion Designer | Sheet Metal Worker |
| Bookkeeper | Forensic Accountant | Shipping And Receiving Clerk |
| Bricklayer/Stonemason | Glazier | Stationary Engineer |
| Building Inspector | Gunsmith | Statistician |
| Building Superintendent | Heavy Equipment Technician | Stock Clerk |
| Cabinetmaker | Home Inspector | Surgeon |
| Cartographer | Industrial Designer | Survey Tech |
| Cashier | Industrial Engineer | Tax Preparer |
| Chemical Engineer | Instructional Coordinator | Teacher |
| Civil Engineer | Insurance Claims Adjuster | Technical Sales Representative |
| Computer Hardware Engineer | Insurance Underwriter | Tilesetter |
| Computer Network Specialist | Investment Advisor/Banker | Tool And Die Maker |
| Computer Programmer | Ironworker | Toxicologist |
| Computer Scientist | Land Surveyor | Trader |
| Computer Software Engineer | Landscape Architect | Venture Capitalist |
| Construction Tradesperson | Loan Officer | Volunteer Manager |
| Crane Operator | Logistics Specialist | Water Treatment Plant Operator |

PHYSICAL EDUCATION DEPARTMENT

The Physical Education Department's goal is to establish a well-balanced program which will provide experiences that will stimulate growth and development of the appropriate mental, social, and physical attributes of each individual. It is our purpose to present a program which through adequate facilities, time allotment, equipment, and instruction, will provide a wide range of student activity. The specific objectives that we hope to attain through this program are as follows: 1) development of the motor skills; 2) development of body efficiency; 3) development of desirable social traits.

DEPARTMENT REQUIREMENTS: One (1) credit of PE is required for graduation. Health is also required by the State of Illinois for graduation.

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| DRIVER EDUCATION | <p>The Driver Education program consists of two phases: classroom and behind-the-wheel for Illinois residents. The course is offered in the first and second semester and during the summer to freshmen and sophomores. Students are scheduled strictly by birth date with instruction provided by Quincy Senior High School.</p> <p>Basic principles of safe driving are presented in one quarter during 30 hours of classroom instruction. Students will receive their white slip during the beginning of the classroom phase and are required by the State of Illinois to have the white slip for nine months prior to getting their license. After completion of the classroom, students will then be scheduled for behind-the-wheel.</p> <p>Students enrolling in Driver Education must have passed at least eight (8) classes during the previous two (2) semesters. However, freshmen taking the course do not have to meet this requirement.</p> | <p>LENGTH: 1 semester</p> <p>YEAR: 9, 10</p> <p>CREDITS: 0.5</p> |
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| HEALTH EDUCATION | This course is designed to help the student understand the relationship between the physical, emotional, and social aspects of his or her life. The student will be made aware of the health problems within his environment in hope of finding ways of coping with these problems. The subject areas that may be covered include: human ecology, human growth, prevention and control of disease, safety education, mental health, solving health problems of the future, alcohol, drug use and abuse, tobacco, nutrition and first aid. CPR/AED certification is a requirement of this course. | LENGTH: 1 semester YEAR: 10 CREDITS: 0.5 |
| PHYSICAL EDUCATION | Consists of an introduction of a variety of physical activities in appropriate seasons. The students learn rules and fundamentals of various sports. Activities may include soccer, flag football, softball, volleyball, basketball, team handball, floor hockey, and games. Also, lifetime sports, which may include bags, archery, golf. This class may also dovetail with Computer Applications. NOTE: For freshmen only—this class may dovetail with Freshman Seminar. | LENGTH: 1 semester YEAR: 9, 10, 11, 12 CREDITS: 0.5 |

CAREERS IN PHYSICAL EDUCATION

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| Animal Services Worker | Fitness Instructor | Personal Trainer |
| Animal Trainer | Forest Firefighter | Physical Education Teacher |
| Athletic Trainer | Forestry Technician | Physical Therapist |
| Bailiff | Gerontologist | Pipelayer |
| Cardiovascular Tech | Homemaker | Podiatrist |
| Child And Youth Worker | Horse Trainer | Police Officer |
| Chiropractor | Hospital Service Worker | Professional Athlete |
| Circus Performer | Instructional Coordinator | Prosthetist/Orthotist |
| Coach | Kinesiologist | Race Car Driver |
| Combat Engineer | Landscaper | Recreation Director |
| Commercial Diver | Lifeguard | Recreation Therapist |
| Courier/Messenger | Magician | Rehabilitation Counselor |
| Dancer | Mail Carrier | Security Guard |
| Detective | Martial Arts Instructor | Sport Psychology Consultant |
| Dietitian | Massage Therapist | Sports Instructor |
| Diving Instructor | Model | Sports Marketer |
| Educator | Mover | Sports Official |
| Enlisted Member Of The Armed Forces | Nurse | Stuntperson |
| Family And Consumer Scientist | Occupational Therapist | Waste Collector |
| Firefighter | Outdoor Guide | Window Washer |
| Hotel Desk Clerk | Paramedic | |
| | Park Warden/Ranger | |

RELIGION DEPARTMENT

The Religion Department of Quincy Notre Dame seeks to develop a deep appreciation of personal faith and commitment to the person, Jesus Christ. Through the content of the courses and the personal example of the faculty, we hope to enable each student to realize that a life based on religious values can lead to happiness and fulfillment. The department is committed to challenging the students to experience and express their faith in a variety of learning situations and religious experiences outside of class within the Christian Service Program.

Ten hours of Christian community service per school year is a school requirement. All students who fulfill the requirements will receive a grade and a 1/4 credit at the end of the school year.

DEPARTMENT REQUIREMENTS: 4.00 credits in Religion and .25 credits per year for Christian Service are required for graduation.

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| REVELATION OF JESUS CHRIST IN SCRIPTURE | The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course, they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels. | LENGTH: 1 semester (1 ST semester) YEAR: 9 CREDITS: 0.5 |
| WHO IS JESUS CHRIST? | The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course, students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be. | LENGTH: 1 semester (2 nd semester) YEAR: 9 CREDITS: 0.5 |
| THE MISSION OF JESUS CHRIST: THE PASCHAL MYSTERY | The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. | LENGTH: 1 semester (1 ST semester) YEAR: 10 CREDITS: 0.5 |
| JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH | The purpose of this course is to help the students understand that in and through the Church, they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church. | LENGTH: 1 semester (2 nd semester) YEAR: 10 CREDITS: 0.5 |
| SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST | The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. | LENGTH: 1 semester (1 ST semester) YEAR: 11 CREDITS: 0.5 |
| LIFE IN JESUS CHRIST | The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples. | LENGTH: 1 semester (2 nd semester) YEAR: 11 CREDITS: 0.5 |

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| RESPONDING TO THE CALL OF JESUS CHRIST | <p>The purpose of this course is to help students understand the vocations of life—how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course will be structured around married life, ordained life and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.</p> <p>INCLUSION: Sacred Scripture An introduction to the basic principles for understanding and interpreting the Bible and understanding the sense of the unity of the narrative for the divine plan of salvation and His desire to share His merciful love with us.</p> | <p>LENGTH: 1 semester (1st semester)</p> <p>YEAR: 12</p> <p>CREDITS: 0.5</p> |
| LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY | <p>The purpose of this 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.</p> <p>INCLUSION: Church History A general knowledge of the Church's history from apostolic times to the present, focusing on the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.</p> | <p>LENGTH: 1 semester (2nd semester)</p> <p>YEAR: 12</p> <p>CREDITS: 0.5</p> |
| CHRISTIAN SERVICE | <p>Students will be introduced to the concept of Christian Service and its relevance to our vocation as people of God. We anticipate that our youth will become more aware of the needs within our immediate society, their relation to the issues of social justice and experience the sense of gratification and empowerment that accompanies living the Gospel message and doing the things Christ did in his ministry of compassion.</p> | <p>LENGTH: ongoing</p> <p>YEAR: 9-12</p> <p>CREDITS: 0.25/year</p> |

CAREERS IN RELIGION

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| International Services Counseling Community Leadership Teaching Journalism | Not-For-Profit Director Social Worker Clergy/Chaplain Archivist Charity Officer | Civil Service Administrator Youth Worker Research Lawyer Analyst |
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SCIENCE DEPARTMENT

The primary purpose of the Science Department is to create and generate an interest and appreciation for science resulting in an understanding of major scientific concepts, their application to current problems, and the Church's moral teachings regarding controversial topics. Most of the courses in the department are highly activity orientated, aimed at the realization that science is not a body of knowledge, but a process. The results of these goals are intended to lead to the development of an informed Christian with a healthy attitude towards science and its relationship to the world.

DEPARTMENT REQUIREMENTS: 2 credits in Science are required. (Physical Science and Biology)

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| CHEMISTRY | <p>Chemistry treats the composition of substances and the transformations which they undergo. The course includes the study of techniques, theories, problems and laws in this science. It is a laboratory course including individual and group experiments. Besides giving the student a knowledge of the science of chemistry, it seeks to give the student an understanding of the role of chemistry in the world. Prerequisite: Algebra II or concurrent enrollment in Algebra II, Physical Science and Biology.</p> | <p>LENGTH: 1 year</p> <p>YEAR: 11, 12</p> <p>CREDITS: 1.0</p> |
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| CHEMISTRY II* | Chemistry II is offered as a full year course with dual enrollment option. Covered are such topics as Electrochemistry, Stoichiometry, Thermochemistry, Organic Chemistry, Nuclear Chemistry, Kinematics, Acid/Bases, and Reaction Rates. Seniors taking this course should be enrolled in Math Analysis or Functions/Statistics/Trigonometry. Enrollment is by permission of the instructor and students must apply in advance. See instructor for details. This course can also be taken as a dual enrollment course. It is equivalent to Quincy University's CHE 100. Additional expense includes a discounted tuition to QU and purchase of the current textbook. Pre-requisites: successful completion of Chemistry I and Algebra IIA | LENGTH: 1 year YEAR: 12 CREDITS: 1.0 3.0 (college) |
| GEOLOGY | This course will explore the natural science that includes geology and geologic time, the structure of Earth and the forces that cause it to be an ever-changing planet, meteorology and atmospheric phenomenon and oceanography. | LENGTH: 1 semester YEAR: 11, 12 CREDITS: 0.5 |
| ASTRONOMY | This course will explore theories about the forces of the universe, astronomy, Earth's place in the universe, space travel and exploration—past, present and future—and other theories that concern space science. | LENGTH: 1 semester YEAR: 11, 12 CREDITS: 0.5 |
| HUMAN ANATOMY & PHYSIOLOGY | This course broadens the biological information on the structure and functions of the various systems of the human body. It is recommended for anyone who plans to follow a medical career. Prerequisite: successful completion of Principles of Biology | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 |
| HUMAN BIOLOGY* | The course is a dual enrollment course with Quincy University. BIO 105 Human Biology (3) A non-major course to introduce the students to an understanding of the human body. This course includes a study of the structures and functions of the human body. Additional expense includes discounted tuition to Quincy University and purchase of the current textbook. Prerequisite: successful completion of Principles of Biology | LENGTH: 1 year YEAR: 11, 12 CREDITS: 1.0 3.0 (college) |
| PHYSICAL SCIENCE | The purpose of this course is to give all freshmen an introduction to the basic principles of chemistry and physics. Chemistry is the study of composition, structure, properties, and reactions to matter. Physics is the study of matter and energy and the interactions between the two through forces, and motion. Students will be asked to think critically and apply their knowledge to solve new problems. | LENGTH: 1 year YEAR: 9 CREDITS: 1.0 |
| PRINCIPLES OF BIOLOGY | The course in biology is aimed at an understanding of the nature of scientific inquiry, the basic biological problems of evolution, population, development, inheritance, and our place in the scheme of nature. These principles and problems of current biology are demonstrated with examples from the ecology of living organisms. Much emphasis is placed on an investigative type of laboratory work aimed at a general understanding of the world of living organisms. | LENGTH: 1 year YEAR: 10 CREDITS: 1.0 |

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| PHYSICS* | The main object of the Physics course is to give the student a background in classical physics and an introduction to modern physics. This will be accomplished through the investigation of motion, heat, light, electricity, and magnetism as the main topics. It is a college preparatory course. Prerequisite recommendations: Analysis (should be taken prior to Physics but may be taken concurrently.) Chemistry highly recommended. | LENGTH: 1 year YEAR: 12 CREDITS: 1.0 |
| MEDICAL TERMINOLOGY* | This course teaches medical language of prefixes, suffixes, and combining forms. Students will learn to pronounce and spell medical terms and also learn how to combine prefixes, suffixes and combining forms to describe a medical term. The course utilizes a body system approach focusing upon specific body systems and providing a brief overview of anatomy and physiology, pathology, word roots, related terms and special procedures with emphasis on building a working medical vocabulary based on body systems. This is a Smart Start online course offered through JWCC. The course will be completed at QND. This course is OFT 281 in the JWCC course catalog. The text must be purchased separately through JWCC bookstore. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |
| WEATHER AND CLIMATE* | This course is an elementary survey of the properties of the atmosphere and the principles that govern weather and climate change. Real-time weather data will be used to predict weather and historical data archives to study climate. This is a Smart Start online course offered through JWCC. The course will be completed at QND. This course is SCI 105 in the JWCC course catalog. The text must be purchased separately through JWCC bookstore. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |

* This course is a grade-weighted course.

CAREERS IN SCIENCE

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| Acupuncturist | Bioinformatics Specialist | Curator |
| Aerospace Engineer | Biological Tech | Cytotechnologist |
| Agricultural Engineer | Biologist | Dental Assistant |
| Agronomist | Biomedical Engineer | Dental Hygienist |
| Allergist | Biotechnologist | Dental Lab Tech |
| Anesthesiologist | Outdoor Guide | Dentist |
| Animal Breeder | Paramedic | Dermatologist |
| Animal Caretaker | Park Warden/Ranger | Diagnostic Medical Sonographer |
| Animal Trainer | Botanist | Dietitian |
| Anthropologist | Cardiologist | Doctor |
| Aquaculturist | Cardiovascular Tech | Ecologist |
| Arborist | Chemical Engineer | Electrical Engineer |
| Archaeologist | Chemist | Electrician |
| Astronaut | Chiropractor | Electroneurodiagnostic Tech |
| Astronomer | Civil Engineer | Electronics Engineer |
| Athletic Trainer | Conservation Officer | Energy Auditor |
| Audiologist | Conservator | Engineering Tech |
| Avionics | Coroner | Environmental Consultant |
| Biochemist | Crime Scene Investigator | Environmental Engineer |
| Environmental Health Inspector | Microbiologist | Photographic Processor |
| Epidemiologist | Midwife | Physical Therapist |
| Esthetician | Miner/Mining Engineer | Physician Assistant |
| Explosives Specialist | Model Maker | Physicist |
| Farmer | Naturopath | Pilot |
| Fire Investigator | Naval Architect | Planner |
| Food Inspector | Neurologist | Plastic Surgeon |
| Food Scientist | Nuclear Engineer | Podiatrist |
| Forensic Scientist | Nuclear Medicine Technologist | Power Plant Operator |
| Forester | Nurse | Professor |
| Funeral Director | Nurse Anesthetist | Prosthetist/Orthotist |
| Genetic Counselor | Nurse Practitioner | Psychiatrist |
| Geneticist | Obstetrician/Gynecologist | Psychologist |
| Geologist | Occupational Therapist | Public Health Nurse |
| Gerontologist | Oceanographer | Radiation Therapist |
| Health Care Administrator | Oil And Gas Well Drilling Crew | Radiologist |
| Health Records Professional | Oncologist | Researcher |
| Heating, Air Cond., Refrig. Tech | Ophthalmologist | Respiratory Therapist |
| Horse Trainer | Optician | Scientist |
| Horticulturist | Optometrist | Solar Energy Tech |
| Hydrologist/Hydrogeologist | Orthodontist | Speech-Language Pathologist |
| Industrial Hygienist | Orthopedic Surgeon | Sport Psychology |
| Inventor | Osteopathic Physician | Surgeon |
| Kinesiologist | Paleontologist | Surgical Technologist |
| Landscaper/Architect | Paramedic | Taxidermist |
| Licensed Practical Nurse | Park Warden/Ranger | Teacher |
| Marine Biologist | Pathologist | Teacher Assistant |
| Massage Therapist | Pediatrician | Technical Sales Representative |
| Materials/Metallurgical Engineer | Pedorthist | Technical Writer |
| Mechanical Engineer | Perfusionist | Toxicologist |
| Medical Assistant | Personal Care Aide | Veterinarian |
| Medical Illustrator | Personal Trainer | Water Treatment Plant Operator |
| Medical Imaging Tech | Pest Controller | Wildlife Technician |
| Medical Lab Tech | Petroleum Engineer | Zookeeper |
| Medical Transcriptionist | Pharmacist | Zoologist |
| Mental Health Nurse | Pharmacologist | |
| Meteorologist | Phlebotomist | |

SOCIAL STUDIES DEPARTMENT

Through the Social Studies program at QND, the student is offered the opportunity to acquire the knowledge and skills needed to become involved and concerned citizens as well as develop an understanding and appreciation of the social community.

Within the department we encourage the students to accept responsibility for their own education through varied approaches to learning.

DEPARTMENT REQUIREMENTS: 2.5 credits are required for graduation. World History, American History, and Government are required.

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| A.P. UNITED STATES HISTORY* | <p>This Advance Placement course is a complete study of the social, economic, political, and religious ideas in America from colonization to present day. Emphasis is placed on the relationship of cause and effect factors in U.S. history by the examination of historical documents, writings and theories. Students will develop critical thinking skills, write interpretive essays, and read historical writings. This course can also be taken as a dual enrollment course. It is equivalent to Quincy University's HIS 111 and HIS 112. Prerequisites: GPA 3.0; minimum of a B average in previous English and history classes. Additional expense includes a discounted tuition to QU and purchase of the current textbook.</p> | <p>LENGTH: 1 year</p> <p>YEAR: 11</p> <p>CREDITS: 1.0 6.0 (college)</p> |
| AMERICAN HISTORY | <p>This course traces the development of the United States from colonial possession to world power. Present issues and their problems and solutions will receive emphasis.</p> | <p>LENGTH: 1 year</p> <p>YEAR: 11</p> <p>CREDITS: 1.0</p> |
| CONTEMPORARY HISTORY | <p>This course will trace the growth of the United States into a modern global power from the mid-twentieth century through the present day. Topics covered will include a range of foreign and domestic issues such as the Cold War, the Civil Rights Movement, and various military conflicts including the wars in Iraq and Afghanistan. Emphasis will be placed on current events as part of a thorough examination of the present day role of the United States in the world.</p> | <p>LENGTH: 1 semester</p> <p>YEAR: 11, 12</p> <p>CREDITS: 0.5</p> |
| GOVERNMENT | <p>This course explores the structure and dynamics of American government, providing a broad-based introduction to the ideas and institutions that shape the present day United States. The Federal and State constitutions are taught in this course. Both are required by the State of Illinois.</p> | <p>LENGTH: 1 semester</p> <p>YEAR: 10, 11, 12</p> <p>CREDITS: 0.5</p> |
| WORLD HISTORY | <p>This course traces the development of world events, including the early river civilizations, Ancient Greece and Rome, regional civilizations of the Americas, Africa, and Asia, and the transformation of Europe from the Middle Ages, through the different revolutionary periods, up to the beginnings of the modern global age.</p> | <p>LENGTH: 1 year</p> <p>YEAR: 9, 10</p> <p>CREDITS: 1.0</p> |

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| QU PSYCHOLOGY 100* | Basic introduction to the major areas of psychology with an emphasis on learning, perception, motivation, emotion, personality, abnormal behavior, psychotherapy, thinking, child development, and the brain and behavior. This course can also be taken as a dual enrollment course. It is equivalent to Quincy University's PSY 100. Prerequisites: GPA 3.0; minimum of a B average in previous English classes. Additional expense includes a discounted tuition to QU and purchase of the current textbook. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |
| INTRODUCTION TO SOCIOLOGY* | This course is an introduction to sociology as a way of understanding the world and how it applies to everyday life. Major theoretical perspectives and concepts are presented including socialization, culture, the social construction of knowledge, social control and deviance, inequality, race and ethnic relations, poverty, and the sociological imagination. This is a Smart Start online course offered through JWCC. The course will be completed at QND. This course is SOC 101 in the JWCC course catalog. The text must be purchased separately through JWCC bookstore. | LENGTH: 1 semester YEAR: 12 CREDITS: 0.5 3.0 (college) |

* This course is a grade-weighted course.

CAREERS IN SOCIAL SCIENCES

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| Abuse/Crisis Counselor Activist Addictions Counselor Adoption Counselor Animal Services Announcer Anthropologist Archaeologist Archiist Art/Music Therapist Association Manager Bailiff Beravement Counselor Bioethicist Career Coach/Counselor Child And Youth Worker Civil Litigator Clergy Communications Specialist Community Worker Conservation Officer Corporate Trainer Correctional Officer Court Clerk Credit Counselor Crime Scene Investigator Criminologist Curator Detective Ecologist Economic Development Officer Economist | Editor Family And Consumer Scientist Federal Agent Fire Investigator Foreign Service Officer Fundraiser Funeral Director Genetic Counselor Gerontologist GIS Specialist Historian Human Resources Specialist Humanitarian Aid Worker Industrial-Organizational Psychologist Instructional Coordinator Insurance Agent Judge Lawyer Legal Secretary Librarian Lobbyist Market Research Analyst Marriage And Family Therapist Mediator Mental Health Nurse Money Manager Nanny Naturopath Nursing Paralegal Parking Enforcement Officer Personal Care Aide | Planner Police Officer Political Aide Politician Principal Private Investigator Probation/Parole Officer Professor Proofreader Psychiatric Aide Public Health Nurse Public Policy Analyst Public Relations Specialist Real Estate Agent Real Estate Appraiser Recruiter Rehabilitation Counselor Religious Worker Research Analyst Researcher Sales Representative School Counselor Social Worker Sociologist Sport Psychology Consultant Superintendent Teacher Teacher Assistant Title Examiner Transportation Inspector Writer |
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