



**undergraduate catalog  
2004-2006**

**[www.newpaltz.edu/ugc](http://www.newpaltz.edu/ugc)**

Revised: February 2004

## **The Academic Calendar**

The Academic Calendar of The College at New Paltz is based on a fall and spring semester. Ordinarily, classes in the fall begin in late August and the semester concludes shortly before Christmas. The spring semester begins in late January and is concluded by late May.

Graduation ordinarily takes place on a Sunday one week prior to Memorial Day. There are two summer sessions: Summer Session I is four weeks in duration and starts in late May; Summer Session consists of two consecutive, five week sessions. Some departments, however, may schedule Session I courses in a four week format to meet programmatic needs. Summer online courses begin at the start of Session I and are seven to nine weeks in length. New Paltz observes a minimum 14-week semester based on 50-minute and 75-minute class hours. Significant Christian and Jewish holidays as well as important national holidays such as Fourth of July, Martin Luther King, Jr. Day and Thanksgiving are observed.

Detailed academic calendars containing information about holidays, examination days, and academic deadlines such as course addition, course withdrawal, etc., will be found in the Schedule of Classes for each term.

## **Affirmative Action/Equal Opportunity**

SUNY New Paltz supports Affirmative Action and Equal Opportunity and does not discriminate against individuals or groups on the basis of race, sex, age, national origin, religion, disability, veteran status, marital status, or sexual orientation in education or employment, or in any of its policies of programs. All actions toward employees and students are based upon performance related criteria. SUNY New Paltz will not tolerate sexual harassment of employees or students.

Any person alleging discrimination should contact the Affirmative Action Office at 257-3293.

## **Accreditation**

The College is fully accredited by the Middle States Association of Colleges and Secondary Schools and is approved as a degree-granting institution by the Trustees of the State University of New York and the Regents of New York State. The College is approved for Teacher Certification by the New York State Education Department. The College's music programs are accredited by the National Association of Schools of Music and the National Association for Music Therapy; its art programs are accredited by the National Association of Schools of Art and Design; its theatre programs receive accreditation from the National Association of Schools of Theatre; its chemistry program is accredited by the American Chemical Society; the nursing program is accredited by the Board of Nursing of New York Education Department and the National League of Nursing; the electrical engineering program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology; the computer science program is accredited by the Computer Sciences Accreditation Board; the communication disorders program is accredited by the American Speech-Language and Hearing Association.

## **Memberships**

State University of New York at New Paltz is a member of the American Council on Education, the Association of American Colleges, the American Association of State Colleges and Universities, the Association of Colleges and Universities of the State of New York, the American Assembly of Collegiate Schools of Business, and the Associated Colleges of the Mid-Hudson area.

**Religious Life**

As a publicly supported institution, the College endorses no religious groups. However, student religious groups are permitted the use of College facilities, and students may participate in the religious life of the New Paltz community, which includes places of worship for most major faiths and denominations.

**Religious Beliefs**

No person shall be expelled from or be refused admission as a student to The College at New Paltz for the reason that he or she is unable, because of religious beliefs, to attend classes or to participate in any examination, study, or work requirements on a particular day or days. Any student who is unable, because of religious beliefs, to attend classes shall be excused from any examination, study, or work requirements and shall be allowed an equivalent opportunity to make up any examination, study, or work requirements which may have been missed because of the absence. This shall be offered at no additional fee.

Any student, who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of Chapter 161, Section 224-a of the Education Law, shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of his or her rights under this section.

The academic policies and procedures governing your degree requirements are specified in the Advising Handbook. You may attain a copy of this information by using the web-link provided in this version of the catalog or by contacting the Office of Student Advising (SUB 203) at 845/257-3015.

**Contract Majors:**

The purpose of the contract major is to enable highly motivated students to develop individual programs of study most appropriate to their particular academic interests. Contract majors should be considered only in those cases where students' academic interests are substantially different to the point that they cannot be accommodated by an existing major program.

A contract major is normally interdisciplinary in nature, and may include regular courses, independent study, fieldwork, study at other institutions, and study overseas. Each contract major must include at least thirty credits and all other general degree requirements must be completed.

A student interested in a contract major must be sponsored by three faculty advisors from academic disciplines related to the contract. No more than two of the advisors may be from the same department.

Students seeking a contract major should submit the required application form before the end of their sophomore year, or at the latest by the end of the first semester of their junior year. A prospective contract major applicant should first consult with a representative of the appropriate Dean's Office to discuss the proposed contract major and the composition of the Contract Committee.

The final proposal must be typed, signed by the student and the three faculty advisors, and submitted to the appropriate Dean's office for approval.

For further information, contact the appropriate Dean (Science and Engineering, Business, Fine and Performing Arts, and Liberal Arts and Sciences). Contract majors are not available to students in Education.

**Selected Topics:**

Selected topic courses are regularly scheduled courses that focus on a particular topic of interest. They may be offered at any class level (193, 293, 393, 493). Descriptions of selected topic courses are printed in the "Schedule of Classes" each semester and are provided on the web.

Selected topic courses may be used as elective credit and may be repeated for credit, provided that the topic of the course changes. They may or may not be designated Liberal Arts depending on the course content.

# School of Business

Hadi Salavitabar, Dean

**Phone: (845) 257-2930**

**Location: School of Business Building on the Southside Loop, Room 107**

**Web address: [www.newpaltz.edu/schoolofbusiness](http://www.newpaltz.edu/schoolofbusiness)**

**Email: [schoolofbusiness@newpaltz.edu](mailto:schoolofbusiness@newpaltz.edu)**

## **Admission to Major**

Acceptance as a major in business is based on overall academic performance and on performance in selected courses. Details of admissions criteria may be obtained from the Office of the School of Business. All business students must complete college algebra (or have MPL of 4) before they can achieve major status.

## **Business Majors**

Accounting.....	63 credits
Finance .....	57 credits
General Business.....	60 credits
International Business .....	60 credits
Management .....	57 credits
Marketing .....	60 credits

### **Business Core Curriculum .....39 credits**

33206	Microeconomics (3)
33207	Macroeconomics (3)
20201	Financial Accounting (3)
20202	Managerial Accounting (3)
20215	Business Decision Support Systems (3)
20250	Principles of Management (3)
20271	Legal Environment of Business (3)
20309	Statistics for Business and Economics I (3)
20311	Statistics for Business and Economics II (3)
20312	Operations Management (3)
20325	Marketing (3)
20341	Fundamentals of Corporate Finance (3)
20450	Strategic Management (3)

## **Accounting**

### **Required courses.....24 credits**

20272	Business Law for Accountants (3)
20368	Intermediate Accounting I (3)
20369	Intermediate Accounting II (3)
20371	Concepts in Federal Income Taxation (3)

20373 Cost Accounting (3)  
 20375 Auditing (3)  
 20441 Financial Management and Policy (3)  
 20442 Advanced Accounting (3)  
**Total Required Credits in Accounting: Core (39) + Major (24).....63 credits**

**Finance**

**Required Courses ..... 18 credits**  
 20441 Financial Management and Policy (3)  
 20443 Investment Analysis and Portfolio Management (3)  
 20445 International Financial Management (3)  
 20447 Personal Financial Planning (3)  
 33303 Money and Banking (3)  
*One of following (Upper Division Accounting Elective):*  
 20368 Intermediate Accounting I (3)  
 20371 Concepts in Federal Income Taxation (3)  
 20373 Cost Accounting (3)  
**Total Required Credits in Finance: Core (39) + Major (18).....57 credits**

**General Business**

**Required Courses ..... 21 credits**  
*One upper division course must be taken from each of the following areas:*

- Finance (3)
- International Business (3)
- Management (3)
- Marketing (3)
- Three elective courses (9 credits): Students may select electives from the above-mentioned areas (assuming s/he has not taken that particular course to satisfy some other requirement) or from the following four categories (assuming s/he meets all prerequisite requirements).
  - Accounting
  - One upper division Economics
  - Independent Study: Students may contact faculty in the School of Business to undertake independent study.
  - Internship: Students may contact their advisors in the School to arrange for an internship and the number of credits applied.

**Total Required Credits in General Business: Core (39) + Major (21).....60 credits**

**International Business**

**Required Courses ..... 22 credits**  
 20346 International Business (3)  
 77227 Introduction to International Politics (4)  
 20430 International Marketing (3)  
 20431 International Management (3)  
 20445 International Financial Management (3)  
 Foreign Language at Intermediate Level or two area study courses (6).  
**Total Required Credits in International Business: Core (39) + Major (22).....61 credits**

## **Management**

Required Courses ..... 18 credits

- 20321 Organizational Behavior (3)
- 20322 Organization Theory (3)
- 20345 Human Resource Management (3)
- 20346 International Business (3)
- 20355 Motivation and Work Behavior (3)
- 20455 Workplace Aggression and Counterproductive Behavior (3)

Total Required Credits in **Management**: Core (39) + Major (18).....57 credits

## **Marketing**

Required Courses ..... 21 credits

- 20326 Consumer Behavior (3)
- 20327 Sales Management (3)
- 20346 International Business (3)
- 20360 Electronic Commerce (3)
- 20425 Marketing Research (3)
- 20427 Advertising Strategy (3)
- 20429 Marketing Strategy (3)

Total Required Credits in **Marketing**: Core (39) + Major (21).....60 credits

## **Minor in Business**

**21 credits**

Students majoring in a discipline other than business can Minor in Business by taking the following courses:

- 33206 Microeconomics (3)
- 33207 Macroeconomics (3)
- 20201 Financial Accounting (3)
- 20202 Managerial Accounting (3)
- 20250 Principles of Management (3)
- 20309 Statistics for Business and Economics I (3)

*One of the following:*

- 20325 Marketing (3)
- 20341 Fundamentals of Corporate Finance (3)

## **Double Major**

An undergraduate student may choose to have two majors by meeting the following requirements:

- The core courses apply to both majors.
- Students must take all "Required Courses" for both majors. If there is an overlap in this category between the two majors, then the common course(s) will apply to both majors.
- If a course is required for one major and an elective for the second major, then that course should be counted toward the major that requires the course(s).
- If there are not enough courses in the list of electives for either of the majors, students should see their advisor or the Dean.
- Students will receive one degree with the names of the two majors on the transcript.

**Liberal Arts Designation:**

The following business courses carry a Liberal Arts (LA) designation: 20215, 20250, 20271, 20272, 20309, 20311, 20321, 20322, 20326, 20355, 20441, 20447, and 20455. However, this differs for Accounting majors: under the 120-credit program, students do not receive LA credits for any business courses; and under the 150-credit program, business courses with LA designations will be counted as LA.



# School of Education

Robert Michael, Dean

*Phone: (845) 257-2800*

*Location: School of Education, Old Main Building*

*Web address: [www.newpaltz.edu/schoolofed](http://www.newpaltz.edu/schoolofed)*

## **CONCEPTUAL FRAMEWORK**

### **CARING, CRITICAL, AND REFLECTIVE PROFESSIONALS RESPONSIVE TO THE NEEDS OF A DIVERSE SOCIETY**

The School of Education is committed to the preparation of caring, critical, and reflective professionals who are academically strong, pedagogically skilled, and responsive to the needs of our diverse society. We strive to prepare teachers and school administrators who create classroom and school communities where all students learn in meaningful ways. Our work is grounded in these values and commitments, which we strive to nurture in ourselves as in our students:

- Inquiry
- Intellectual growth
- Professionalism
- Appreciation of human diversity
- Advocacy for students
- Democratic citizenship

The Professional Education Unit at the State University of New York at New Paltz is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue, NW Suite 500, Washington, DC 20036; phone: (202) 466-7496. This accreditation covers initial teacher preparation and advanced preparation level programs.

## Educational Studies

*Phone: (845) 257-2830/31*

*Location: Old Main Building Room 112*

*Web address: [www.newpaltz.edu/edstudies](http://www.newpaltz.edu/edstudies)*

### Liberal Arts Designation:

All undergraduate courses may be counted toward the undergraduate liberal arts requirement except 38494. Social and Philosophical Foundations of Education (38340) fulfills the U.S. Studies requirement of G.E. II. Designated sections of 38340 also fulfill the Writing Intensive requirement.

The following graduate level courses may be taken by seniors and be counted toward the undergraduate liberal arts requirement: 38501, 38503, 38548, 38581.

The Educational Studies Department does not have a program leading toward an undergraduate degree. However, the department offers some undergraduate level courses. Please refer to the SUNY New Paltz graduate catalog for further information.

## Special Education

*Phone: (845) 257-2830*

*Location: Old Main Building, Room 112*

*Web address: [www.newpaltz.edu/edstudies/special-ed.html](http://www.newpaltz.edu/edstudies/special-ed.html)*

The Special Education Department does not have a program leading toward an undergraduate degree in Special Education. However, the department offers some undergraduate level courses and two graduate degree programs (M.S. in Childhood Special Education and M.S. in Adolescent Special Education). Please refer to the SUNY New Paltz graduate catalog for further information.

## Early Childhood and Childhood Education

*Phone: (845) 257-2805 or 2807*

*Location: Old Main Building Room 105*

*Web address: [www.newpaltz.edu/elementaryed](http://www.newpaltz.edu/elementaryed)*

The Elementary Education Program is a **four-year BS program** that leads to eligibility for certification in Elementary Education. To obtain this certification, students must complete the program and **pass ALL** of the required New York State Teacher Certification Tests. The School of Education at SUNY New Paltz offers this program for candidates who are willing to make a commitment to teaching a broad range of students in elementary classrooms. This is a rigorous program which requires extensive field experiences in sites chosen by the Student Teaching coordinator for their appropriateness. **Candidates are responsible for their own transportation to field sites and cannot expect to have sites close to the New Paltz campus or their homes.**

All efforts are made to find sites within one hour of the New Paltz campus. This program is designed for candidates to enter in their sophomore year after earning thirty or more credits with an overall GPA of 2.75.

### **Curriculum**

The Department of Elementary Education offers programs in the following certification areas:

- 1-6 Childhood
- B-2 Early Childhood

Students choosing these programs take a broad background of course work geared to teaching on all levels from birth through grade six. Fieldwork is done in selected schools on at least two levels from birth through grade six. Those successfully completing this program earn a Bachelor of Science in Education and are qualified to receive certifications from the State Education Department for teaching either Birth-2 or 1-6 grade levels. A minimum of 120 academic credits is needed for the baccalaureate degree with certification.

### **Prerequisites for Application to the Elementary Education Program**

Beginning Fall 2000, the following are the guidelines for declaring a major in the Elementary Education Curriculum:

1. A 2.75 or better overall GPA.
2. A current resume.
3. Unofficial copy of a transcript from each college you attended.
4. Meeting with the Education Advisor.

### **Requirements**

The required course work falls under three categories:

- A. General Education Requirements
- B. An approved liberal arts major
- C. Professional Education courses

#### ***A. General Education Requirements***

Students in the Childhood Education programs take selected course work under advisement to fulfill the College's General Education requirements. All upper sophomore New Paltz students must see the Education Advisor concerning the education curricular programs (Old Main Bldg. 105).

#### ***B. Approved Liberal Arts Majors***

#### **30-38 Credits**

Students must complete an approved academic major. Transfer courses for which advanced standing has been given and which are comparable to those meeting major requirements or are appropriate to an individualized major may be acceptable under advisement.

### **Majors for Early Childhood and Childhood Education Students**

The majors for early childhood and childhood education students have been selected from the College of Liberal Arts. These majors include: art history, biology, Black studies (historical core or language arts core), Earth Science (geology), English, French, geography, history, mathematics, political science and Spanish. The selected majors are directly in accord with New York State Learning Standards. They provide depth in a content area and the sequence of courses has

coherence and increased expectations of student performance. The courses are available to other students in addition to early childhood (Birth through Grade 2) and childhood (Grades 1-6) education programs.

**Early Childhood B-2/Childhood 1-6 Majors:**

Art History	Geography
Biology	History
Black Studies	Mathematics
Earth Science	Political Science
English	Spanish
French	Women's Studies

**Art History (B-2) and (1-6)**

**30 credits**

Required courses.....24 credits

- 11201 Art of the Western World I (3)
- 11202 Art of the Western World II (3)
- 11358 Early Twentieth Century Art (3)
- 11360 Arts of Asia I: The Formative Periods (3)
- 11381 Arts of Asia II: The Continuing Tradition (3)
- 11382 American Art (3)
- OR
- 11370 Art of Hudson Valley (3)
- 09105 Introduction to Drawing and Design I (3)
- 09110 Introduction to Ceramics (3)
- OR
- 09120 Introduction to Metal (3)
- OR
- 09170 Introduction to Sculpture (3)

Art History Electives..... 6 credits

**Biology (B-2) and (1-6)**

**29-34 credits**

Required courses.....16 credits

- 15201 General Biology I (4)
- 15202 General Biology II (4)
- 15320 Genetics (4)
- 15340 Ecology (4)
- One of the following..... 4-5 credits
- 15305 Plant Morphology (4)
- 15307 Comparative Vertebrate Anatomy (5)
- One of the following..... 3 credits
- 15301 Field Biology - Fall (3)
- 15302 Field Biology - Winter/Spring (3)
- 15412 Evolutionary Theory (3)
- 15418 Animal Behavior (3)

Electives..... 6-10 credits

Two upper-division biology electives

**Black Studies (B-2) and (1-6)**

**30 credits**

**Required courses.....12 credits**

- 17100 Introduction to Black Studies (3)
- 17357 Psychology of the Black Child (3)
- 17370 Education in the Black Community (3)
- 17396 Black English: Language and Culture (3)

**In addition, each major is required to complete six courses from either the (1) Historical Core or the (2) Language Arts Core.....18 credits**

**(1) Historical Core**

- 17200 Introduction to Africa (3)
- 17201 Black History I (3)
- 17202 Black History II (3)
- 17231 Development of Afro-Latin American Civilization 1492-1825 (3)
- 17232 Contemporary Afro-American Civilization Since 1825 (3)
- 17301 Survey of Pre-Colonial Africa to 1800 (3)
- 17302 Survey of Contemporary Africa: Nineteenth Century to Present (3)
- 17309 Introduction to Afro-Brazilian History (3)
- 17311 Blacks in the Caribbean (1492-Present) (3)
- 17331 The American Civil Rights Movement (3)
- 17347 History of South Africa (3)
- 17401 Blacks in New York History (3)
- 17450 The Portuguese in Africa (3)
- 17460 West African Kingdoms in the Nineteenth Century (3)

**(2) Language Arts Core**

- 17268 Survey of Black American Literature
- 17269 Black Poetry and Drama (3)
- 17310 Blacks and the Media (3)
- 17320 Contemporary Black American Literature (3)
- 17323 Black Poetry (3)
- 17328 Black Drama in America (3)
- 17333 Black Rhetoric (3)
- 17412 Critical Analysis of Black American Literature (3)
- 17415 Recurrent Themes in Black Literature (3)
- 17510 Contemporary Black Women's Literature (3)

**Earth Science (Geology) (B-2) and (1-6)**

**34-35 credits**

**Cognate courses..... 7 credits**

- 12201 Exploring the Solar System (3)
- OR

- 12202 Exploring the Universe (3)
- 22201 General Chemistry I (4)

**Geology courses.....27-28 credits**

- 50120 Weather and Environment (4)
- 50220 Physical Geology (4)

- 50301 Historical Geology (4)
- 50305 Paleontology (4)
- 50311 Mineralogy and Crystallography (4)
- 50331 Stratigraphy-Sedimentation (4)
- One 300-level geology course by advisement (3-4)

**English (B-2) and (1-6)**

**32-33 credits**

At least one-half of the English major must be completed at New Paltz. Freshman Composition credits are not included in that major. Courses taken as pass/fail cannot be counted toward the major.

**Required courses.....21-22 credits**

*Elect one of the following:*

- 41301 English Literature I (4)
- 41302 English Literature II (4)

*Elect one of the following:*

- 41331 American Literature I (4)
- 41332 American Literature II (4)

*Elect one of the following:*

- 41406 Shakespeare I: Selected Works (3)
- 41407 Shakespeare II: Selected Works (3)

*Elect three of the following:*

- 41200 Analysis and Interpretation of Literature (3)
- 41224 Expository Writing (3)
- 41226 Practical Grammar (3)
- 41345 Creative Writing Workshop I (3)
- 41385 Theories of Writing (3)
- 53230 Journalism I (4)

**Elective courses.....12 credits**

With the approval of the department advisor, each major candidate must complete four elective courses in literature, of which two must be at the 400 or 500 level. Two electives must be period or genre courses.

**French (B-2) and (1-6)**

**33 credits**

**Basic language courses..... 6 credits**

- 46101 Elementary French I (3)
- 46102 Elementary French II (3)

Students with prior training or experience in French may obtain waivers for one or more of the basic language courses listed above, after consultation with the Department of Foreign Languages.

**Required courses.....27 credits**

- 46201 Intermediate French I (3)
- 46202 Intermediate French II (3)
- 46301 French Composition and Conversation I (4)
- 46302 French Composition and Conversation II (4)
- 46319 French Civilization (4)
- 46404 Daily Life in France (3)

- 46401 Advanced French Composition and Conversation I (3)
- 46402 Advanced French Composition and Conversation II (3)

**Geography (B-2) and (1-6)**

**30 credits**

- Required courses..... 9 credits**
- 48250 Maps and Graphics: Measures & Symbols (3)
  - 48252 Economic Geography (3)
  - 48274 Environment and Culture (3)
- Electives.....21 credits**

Each major candidate is required to complete, by advisement, seven courses in geography selected from systematic and/or regional courses, at least five of which shall be at the 300 level or above.

**History (B-2) and (1-6)**

**31-32 credits**

- Required courses.....16 credits**
- 58207 Medieval Europe (4)
  - 58214 Modern Europe (4)
  - 58221 United States History to 1865 (4)
  - 58222 United States History Since 1865 (4)

**Two of the following.....6-7 credits**

*Non-European and non-American Societies:*

- 17231 Development of Afro-Latin American Civilizations (1492-1825) (3)
- 48260 Understanding China (3)
- 48307 Understanding Latin America (3)
- 58309 Indians of the United States (3)
- 58333 Soviet Union (3)
- 58334 Traditional Japan (3)
- 77216 American Government and Politics (4)

**One of the following.....3 credits**

*New York State History:*

- 58303 The Empire State (3)
- 58308 Indians of New York State (3)

**One of the following.....3 credits**

*This requirement guarantees that at least one course related to minority experiences in the U.S. or elsewhere is taken:*

- 17201 Black History I (3)
- 17202 Black History II (3)
- 58305 Women in European Modern History (3)
- 58308 Indians of New York State (3)
- 58309 Indians of the United States (3)
- 58310 Indians of the Eastern Woodlands (3)
- 58373 The Holocaust (3)
- 58374 American Jewish Experience (3)
- 94316 History of Women in the United States (to 1880) (3)
- 94317 History of Women in the United States (Since 1880) (3)

**One of the following.....3 credits**

- 58302 American Immigration (3)
- 58304 Development of the American City (3)

**Mathematics (B-2) and (1-6)**

**32-34 credits**

**Required courses.....29-30 credits**

- 64140 Mathematics for Elementary School Teachers I (3)
- 64240 Mathematics for Elementary School Teachers II (3)
- 64241 Introduction to Statistics (3)
- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 64260 Foundations of Mathematics I (3)
- 64301 Foundations of Mathematics II (3)
- 64331 Axiomatic Geometry (3)

*One of the following:*

- 25104 Visual Programming (3)
- 25210 Computer Science I: Foundations (4)

**Electives..... 3-4 credits**

The elective must be a course offered in the Mathematics/Computer Science Department at the 300 level or above.

**Political Science (B-2) and (1-6)**

**36 credits**

**Required courses.....12 credits**

- 77216 American Government & Politics (4)
- 77227 Introduction to International Politics (4)
- 77229 Introduction to Comparative Politics (4)

**Upper-Division Electives.....24 credits**

Six credits or less of the Government Internship (77480) may be credited toward the Upper Division Electives.

**Spanish (B-2) and (1-6)**

**31 credits**

**Basic language courses..... 6 credits**

- 89101 Elementary Spanish I (3)
- 89102 Elementary Spanish II (3)

*Students with prior training or experience in Spanish may obtain waivers for one or more of the basic language courses listed above, after consultation with the Foreign Language Department. Native speakers of Spanish may substitute courses for native speakers.*

**Required courses.....25 credits**

- 89201 Intermediate Spanish I (3)
- 89202 Intermediate Spanish II (4)
- 89301 Spanish Composition and Conversation I (4) *(Native speakers may substitute grammar and composition in place of 89301).*
- 89361 Spanish Composition and Conversation II (4)
- 89363 Spanish Phonetics and Oral Practice (3)
- 89365 The Culture and Civilization of Spain (4)
- 89461 Advanced Spanish Composition (3)

**C. Professional Education Requirements for B-2 Early Childhood and 1-6 Childhood**

Transfer courses for which advanced standing credit has been given and which are comparable to those listed for these requirements may be acceptable under advisement.

**Liberal Arts prerequisites.....15credits**



- 48273 Physical Geography (3)
- 64140 Mathematics for Elementary School Teachers I (3)
- 64240 Mathematics for Elementary School Teachers II (3)
- XXXXX Language other than English (6)

*(Transfer students with an AA/AS may use Sign Language I & II for language requirement.)*

*NOTE: All above course work in Education and Liberal Arts MUST be completed before the Professional Semester.*

## **EDUCATION COURSES FOR 1-6 CHILDHOOD**

### **Course Sequence**

The sequence described below is for a full-time student; the program may be taken on a part-time basis, however.

#### Year 1

- General Education Requirements
- Subject Matter Major Courses

#### Year 2

- General Education Requirements
- Subject Matter Major Courses
- 35370 Education of Diverse Population in Early Childhood and Elementary School (3)\*\*
- 38371 Child Psychology and Development (3)

*\* Course designed as writing intensive.*

*\*\* A grade of B- or higher is required*

#### Year 3

- General Education Requirements
- Subject Matter Major Courses
- 35371 Developmentally Appropriate Practices, Childhood (3)
- 35375 Teaching Reading in the Elementary School (3)
- 38340 Sociological and Philosophical Foundations of Education\* (3)
- 39350 Creating Inclusive Elementary School Classrooms (3)

#### Year 4

- 35380 Teaching Mathematics, Science and Technology in Elementary School (6)
- 35381 Teaching English Language Arts and Social Studies in Elementary School (6)
- 35404 Student Teaching, Primary Setting (6)
- 35405 Student Teaching, Intermediate Setting (6)

### Note on Course Sequence

*The courses are sequenced so that teacher candidates move from an understanding of the learner (third year) before they begin their content pedagogy set of courses (fourth year).*

Student Teaching Semester.....12 credits

In order to register for Student Teaching, the student must have received a grade no lower than "C" in each one of the Professional Semester courses and maintained an overall GPA of 2.75.

- 35404 Student Teaching, Primary Setting (6)
- 35405 Student Teaching, Intermediate Setting (6)

For additional information about student teaching, see the section on “Teacher Education Programs” in the beginning of this section.

### **Education Courses for Early Childhood; Birth-Second Grade**

#### **Course Sequence**

The sequence described below is for a full-time student; the program may be taken on a part-time basis, however.

#### Year 1

General Education Requirements  
Subject Matter Major Courses

#### Year 2

General Education Requirements  
Subject Matter Major Courses

35370 Education of Diverse Population in Early Childhood and Elementary School (3)\*

38371 Child Psychology and Development (3)

*\* A grade of B- or higher is required.*

#### Year 3

General Education Requirements  
Subject Matter Major Courses

35411 Curriculum I: Infants and Toddlers (3)

35415 The Development of Symbolic Representation, Language and Literacy (3)

38340 Sociological and Philosophical Foundations of Education (3)\*

39350 Creating Inclusive Elementary School Classrooms (3)

*\* Course designed as writing intensive.*

#### Year 4

35375 Teaching Reading in the Elementary School (3)

35404 Student Teaching, Primary Setting (6)

35412 Curriculum II: Preschool and Kindergarten (3)

35413 Curriculum III: First and Second Grades (3)

35414 Developmentally Appropriate Practices for Children; Birth-Second Grade (3)

35493 Elementary Education Selected Topic (0)

#### **Transfer Students**

Students transferring to New Paltz may have special problems in fulfilling General Education requirements. They are referred to the Education Advisement Office (OMB 105, 257-2805 or 257-2807) where they will be advised specifically on how to complete the General Education requirement.

### **Mandatory Training**

All candidates for teacher certification will complete a state-mandated two-hour training lecture in recognizing and reporting child abuse or neglect. Group sessions will be provided on campus, or students may take the training from social service agencies or hospitals. This is not a credit course and evidence of training must be documented.

### **Schools Against Violence in Education Act**

All students, in addition to other college and certificate requirements, will complete two hours of course work or training in school violence and prevention. Students will receive a list of approved providers and/or institutions that will offer the course work or training.

### **New York State Teacher Certification Examinations**

Effective September 2, 1993, prospective early childhood and childhood school teachers (Birth-6) are required to achieve passing scores on the Liberal Arts and Science Test (LAST), on the Elementary Assessment of Teaching Skills-Written (ATS-W), and the Content Specialty Test (CST) for the initial certificate. Information about the administration of these examinations can be obtained from the Office of Education Advisement, OMB 105, 257-2807 or 2805.

### **Liberal Arts Designation:**

The following courses may be counted toward the undergraduate liberal arts requirement: 35508, 35511, 35512, 35530, 35595.

## **Secondary Education**

*Phone: (845) 257-2850*

*Location: Old Main Building Room 204*

*Web Address: [www.newpaltz.edu/secondaryed](http://www.newpaltz.edu/secondaryed)*

### **Admission Requirements:**

- 2.75 Grade Point Average for at least 24 credits of college course work
- Grades of B or better in both required Freshman Composition Courses
- Completion of the Program Application, including an acceptable 2- to 3-page autobiographical essay. Applicants without a two-year degree must also attach a current SUNY New Paltz progress report.

### **Student Teaching Admission Requirements:**

- 2.50 GPA or higher in all course work to date
- 2.50 GPA or higher in all Content course work prior to Student Teaching semester (see below)
- 2.75 GPA or higher in all Pedagogical Core course work prior to Student Teaching semester (see below)
- grade of B or better in Discipline-Specific Methods course (see below)

- Satisfactory Program Portfolio as judged by faculty members of the Department of Secondary Education
- Recommendation of discipline-specific program coordinator and department chair

**The Program**

**38 credits**

**Educational Studies**

**Required courses.....12 credits**

- 38340 Social and Philosophical Foundations of Education (3)
- 38372 The Developing Adolescent (3)
- 38383 Introduction to Literacy for Diverse Learners (3)
- 39385 Differentiating Instruction in the Secondary School (3)

**Secondary Education**

**Required courses..... 10 credits**

- 36354 Foundations of Secondary Education Seminar (1)
- 36453 Introduction to Curriculum and Assessment (3)
- 36356 Computers in the Classroom (3)
- 36353 Fieldwork #1 (1)
- 36350 Fieldwork #2 (1)
- 36407 Fieldwork #3 (1)

**Methods**

**One of the following (taken the semester before Student Teaching)..... 3 credits**

- 36370 Teaching English in the Secondary School (3)
- 36371 Teaching French in the Secondary School (3)
- 36373 Teaching Social Studies in the Secondary School (3)
- 36374 Teaching Science in the Secondary School (3)
- 36375 Teaching Mathematics in the Secondary School (3)
- 36381 Teaching Spanish in the Secondary School (3)
- 36391 Teaching German in the Secondary School (3)

**Student Teaching**

**Required courses.....13 credits**

- 36404 Student Teaching Secondary, 7-9 (6)
- 36405 Student Teaching Secondary, 10-12 (6)
- 36406 Student Teaching Seminar (1)

**Additional Requirements:**

Apply for a Student Teaching assignment one semester in advance: September for a spring assignment; February for the fall, OMB 107, Office of Student Teaching. In each case, application should be made during the first two weeks of the semester.

Successful completion of the New York State Certification Examination: Liberal Arts and Sciences Test (LAST), Assessment of Teaching Skills-Written (ATS-W) and Content Specialty Test (CST).

A requirement of 3-8 credits in the study of a language other than English must be met. Students with no previous language study must complete a two-semester sequence in a language; students

who can be placed at an intermediate or advanced level must complete one course. (Please Note: The study of sign language satisfies the New York State teacher certification requirement but *does not* satisfy the College's general education requirement.)

Two state-mandated workshops are required for all students: 1) workshop in recognizing and reporting symptoms of child abuse and 2) safe schools workshop in dealing with school violence.

**Secondary Education Majors:**

Biology	German
Chemistry	Mathematics
Earth Science	Physics
English	Social Studies
French	Spanish

**Biology (7-12)**

**65-70 credits**

**Required cognate courses.....34-36 credits**

- 22201 General Chemistry I (4)
- 22202 General Chemistry II (4)
- 22318 Organic Chemistry I (4)
- 64251 Calculus I (4)
- or
- 64252 Calculus II (4)
- 75221 Fundamental Physics I (4)
- 75222 Fundamental Physics II (4)
- 50220 Physical Geology (4)

*One of the following:*

- 22319 Organic Chemistry II (4)
- or
- 15318 Biological Chemistry (3)

*One of the following:*

- 25210 Computer Science I: Foundation (4)
- 64241 Introductory Statistics (3)
- 64252 Calculus II (4)

**Required biology courses.....24-25 credits**

- 15201 General Biology I (4)
- 15202 General Biology II (4)
- 15320 Genetics (4)
- 15340 Ecology (4)
- 15425 Plan Physiology (4)

*One of the following:*

- 15305 Plant Morphology (4)
- 15307 Comparative Vertebrate Anatomy (5)

**Biology electives.....7-9 credits**

Each major candidate is required to complete, by advisement, 2 biology courses above the 300 level.

**Chemistry (7-12)**

**52 credits**

**Required chemistry courses.....32 credits**

- 22201 General Chemistry I (4)

- 22202 General Chemistry II (4)  
 22303 Introduction to Analytical Chemistry (4)  
 22314 Inorganic Chemistry (3)  
 22316 Recitation Organic Chemistry I (0)  
 22317 Recitation Organic Chemistry II (0)  
 22318 Organic Chemistry I (4)  
 22319 Organic Chemistry II (4)  
 22321 Physical Chemistry I (3)  
 22322 Physical Chemistry II (3)  
 22323 Experimental Physical Chemistry (3)  
**Required cognate courses.....20 credits**  
 15210 Introductory Biology (4)  
 OR  
 50220 Physical Geology (4)  
 AND  
 64251 Calculus I (4)  
 64252 Calculus II (4)  
 75201 General Physics I (4)  
 75202 General Physics II (4)

**Earth Science (7-12)**

**60-61 credits**

- Geology core.....27 credits**  
 50220 Physical Geology (4)  
 50301 Historical Geology (4)  
 50311 Mineralogy/Crystallography (4)  
 50313 Optical Mineralogy (3)  
 50314 Petrology (4)  
 50331 Stratigraphy-Sedimentation (4)  
 50338 Structural Geology (4)  
**Geological Science Courses..... 11 credits**  
 50120 Weather and Environment (4)  
 50305 Paleontology (4)  
*One of the following by advisement:*  
 50339 Natural Resources and Energy (3)  
 50346 Conservation and Environmental Impact (3)  
**Cognate courses.....23-24 credits**  
 22201 General Chemistry I (4)  
 22202 General Chemistry II (4)  
 64251 Calculus I (4)  
 75201 General Physics I (4)  
*One of the following:*  
 75202 General Physics II (4)  
 75222 Fundamental Physics II (4)  
*One of the following:*  
 12201 Exploring the Solar System (3)  
 12202 Exploring the Universe (3)  
**Recommended courses.....11 credits:**  
 15210 General Biology I (4)

- 25210 Computer Science I: Foundations (4)
- 48383 Introduction to GIS (3)

**English (7-12)**

**43-44 credits**

**Required courses.....28-29 credits**

*Each of the following:*

- 41301 English Literature I (4)
- 41302 English Literature II (4)
- 41331 American Literature I (4)
- 41332 American Literature II (4)

*One of the following:*

- 41406 Shakespeare I: Selected Works (3)
- 41407 Shakespeare II: Selected Works (3)

*One of the following:*

- 41327 Development of Modern English (3)
- 63201 Introduction to Literature (3)

*Two of the following:*

- 41200 Analysis and Interpretation of Literature (3)
- 41224 Expository Writing (3)
- 41226 Practical Grammar (3)
- 41345 Creative Writing Workshop I (3)
- 41385 Theories of Writing (3)
- 53230 Journalism I (4)

**Electives.....15 credits**

FIVE elective courses offered by the English Department, distributed as follows:

- At least one elective course must have as its emphasis non-Western literature and/or traditionally under-represented literary traditions within the WEST. A list of acceptable courses offered by the English Department and by other departments is maintained in the English Department office. Other courses must be approved by the English advisor.
- At least four courses must be in literature, of which at least three must be at the 400- or 500-level.
- Elective courses at the 400-level are open only to those who have completed at least one 300-level survey course in the appropriate content area (i.e., English Literature 1 or 2 for 400-level courses in English Literature).
- 500-level courses are subject to the same prerequisites, and are open by permission of instructor only.
- Students are advised to consult with their English and Secondary Education advisors when choosing all electives.

**French (7-12)**

**40 credits**

**Required courses.....28 credits**

*Basic language courses:*

- 46101 Elementary French I (3)
- 46102 Elementary French II (3)
- 46201 Intermediate French I (3)
- 46202 Intermediate French II (3)

*(Students with prior training or experience in French may obtain waivers for one or more of the basic language courses)*

*listed above after consultation with the Foreign Language Department.)*

*Required courses:*

- 46301 French Composition and Conversation I (3)
- 46302 French Composition and Conversation II (3)
- 46319 French Civilization (4)
- 46404 Daily Life in France (3)

*One of the following:*

- 46401 Advanced French Composition and Conversation I (3)
- 46402 Advanced French Composition and Conversation II (3)

**Electives.....12 credits**

Each candidate is required to complete, by advisement, four courses at the 400 level or equivalent. Candidates for certification must earn satisfactory scores on a proficiency test in French.

### **German (7-12)**

**45 credits**

**Basic language courses.....12 credits**

- 52101 Elementary German I (3)
- 52102 Elementary German II (3)
- 52201 Intermediate German I (3)
- 52202 Intermediate German II (3)

Students with prior training or experience in German may obtain waivers for one or more of the basic language courses listed above, after consultation with the Foreign Language Department.

**Required courses.....18 credits**

- 52311 German Composition and Conversation I (3)
- 52312 German Composition and Conversation II (3)
- 58311 Modern Germany (3)
- 52316 Germany Today (3)
- 52406 Modern German Fiction (3)
- 52409 Nineteenth-Century German Plays (3)

**Electives.....15 credits**

Each major candidate is required to complete, by advisement, five elective courses in German studies (15 credits). At least three of these (9 credits) must be German courses at the 300 or 400 level, and up to two courses (6 credits) may be in cognate areas with a substantial German component. Such cognate areas include Art History, History, Music, Philosophy, Political Science and Sociology.

Candidates for certification must earn satisfactory scores on a proficiency examination offered through the Foreign Language Department. This is also a graduation requirement for all Secondary Education (7-12) Foreign Language majors.

### **Mathematics (7-12)**

**47-48 credits**

**Required courses.....47-48 credits**

- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 64353 Calculus III (4)
- 64260 Foundations of Mathematics I (3)
- 64301 Foundations of Mathematics II (3)
- 64321 Intermediate Analysis I (3)
- 64331 Axiomatic Geometry (3)



- 64362 Linear Algebra (3)
- 64363 Combinatorics (3)
- 64364 Introduction to Abstract Algebra I (3)
- 64381 Probability and Statistics I (3)

**PLUS:**

- 25104 Visual Programming (3)
- OR

- 25210 Computer Science I: Foundations (4)

**PLUS:**

- 75201 General Physics I (4) **AND**
- 75202 General Physics II (4)

**OR**

- 75221 Fundamental Physics I (4) **AND**
- 75222 Fundamental Physics II (4)

**Recommended, but not required, courses:**

- 25210 Computer Science I: Foundations (4)
- 25310 Computer Science II: Data Structures (3)

**Physics (7-12)**

**62 credits**

**Required physics courses.....32 credits**

- 75201 General Physics I (4)
- 75202 General Physics II (4)
- 75300 Mathematical Physics I (3)
- 75301 Mathematical Physics II (3)
- 75305 Computational Physics (3)
- 75308 Modern Physics I (3)
- 75309 Modern Physics II (3)
- 75310 Modern Physics Laboratory (1)
- 75311 Classical Mechanics (3)
- 75313 Electricity and Magnetism (3)
- 75491 Senior Project (3)

**Three upper-level Physics electives.....9 credits**

**Required cognate courses.....16 credits**

- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 22201 General Chemistry I (4)
- 25210 Computer Science I (4)

**Additional sciences courses.....4credits**

A lab course must be chosen from biology or geology.

**Social Studies (7-12)**

**49-51 credits**

**Required history courses.....25 credits**

- 58221 United States History to 1865 (4)
- 58222 United States History Since 1865 (4)

Two courses in European History by advisement only (8)

Three upper-division history courses (9)

**Required cognate courses.....24-26 credits**

Two courses from each of the following areas by advisement only: geography (6), political science

(6-8), economics (6), area studies, defined as Asia, Africa, Latin America, Russia, the Middle East and American Indian (6).

**Notes for Social Studies major:**

1. All courses should have prior approval under History Department advisement.
2. No selected topic or independent study courses to be used, except by special permission.
3. Area studies consist of courses on Asia, Africa, Latin America, Russia, the Middle East and American Indian. With prior approval, this requirement may be met from courses in history, geography, political science, economics, anthropology, Women's Studies, or Black Studies.

**Spanish (7-12)**

**36-48 credits**

**Required courses.....24-36 credits**

*Basic Language courses:*

89101 Elementary Spanish I (3)

89102 Elementary Spanish II (3)

89201 Intermediate Spanish I (3)

89202 Intermediate Spanish II (4)

*Students with prior training or experience in Spanish may obtain waivers for one or more of the basic language courses listed above after consultation with the Foreign Language Department.*

89301 Spanish Composition and Conversation I (4)

89361 Spanish Composition and Conversation II (4)

89363 Spanish Phonetics and Oral Practice (3) *(Required of all non-native speakers)*

89365 Culture and Civilization of Spain (4)

89372 Culture of Latin America (4)

*One of the following:*

89468 Intensive Readings in the Literature of the Golden Age - Prose (3)

89469 Intensive Readings in the Literature of the Golden Age - Drama and Poetry (3)

89470 The Generation of 1898 (3)

89471 Spanish-American Novel (3)

**Electives.....12 credits**

Each major is required to complete by advisement 4 courses in Spanish at the 400 or 500 level.

Candidates for certification must earn satisfactory scores on a proficiency test in Spanish.

# Center for Academic Development and Learning

*Phone: (845) 257-3592*

*Location: Old Main Building, Room 2B*

*Web address: [www.newpaltz.edu/cadl](http://www.newpaltz.edu/cadl)*

The Center for Academic Development and Learning is funded primarily by a United States Department of Education (USED) Student Support Services Grant. Eligibility for the grant program may be based on academic consideration, financial consideration or other parameters as determined by the United States Department of Education guidelines. Students who meet the eligibility criteria are provided with a comprehensive academic assistance program that includes a multidisciplinary tutorial program, a writing center, direct instruction in critical thinking and a support system for the learning disabled. A major goal of the department's staff is to challenge students to fulfill their academic potential by becoming critical thinkers and active learners.

## **Academic Support Programs:**

### **Academic Skills and Knowledge Assessment**

All first-year students are expected to demonstrate a high level of proficiency on placement examinations in critical thinking and mathematics. The academic support staff and college faculty evaluate placement examinations during orientation sessions. Students who demonstrate academic weaknesses or gaps in knowledge are required to enroll in critical thinking and academic support sessions that will ensure their academic success at the College.

### **Academic Support for Students with Learning Disabilities and Physically Handicapped Students:**

The goal of the Learning Specialist's Office is to assist students with disabilities in becoming independent and successful learners within the college curriculum. Students with documented learning and/or physical disabilities are eligible to receive services based on academic need. These services range from instruction in learning strategies, time management, and test-taking to content-area tutoring and writing assistance. The Learning Specialist offers workshops on self-advocacy, computer technology, and issues related to disability.

Students with documented disabilities are legally entitled through the Americans with Disabilities Act (ADA) to receive reasonable accommodations for the learning and testing process. The Learning Specialist works to provide scribes, alternative testing arrangements, or proctors, and serves as a liaison to the faculty on behalf of the student.

### **Academic Workshops and Modular Courses**

Each semester the teaching staff of the Academic Assistance Center designs instructional workshops in a variety of academic courses and subject areas to support the needs of faculty and students.

### **Multidisciplinary Tutoring Center**

Individual and small group tutoring are offered for academic courses in a wide variety of courses and

disciplines. The tutorial program utilizes a peer-tutorial model and maintains high standards in the selection and training of its staff.

### **The Writing Center**

The Writing Center provides students with an opportunity to improve their writing skills. Designed as a support service, the Writing Center helps students clarify meaning and consider the effectiveness of their writing with regard to purpose and audience.

Under the supervision of the Tutorial Coordinator, peer tutors provide individual or small group instruction to students enrolled in English Composition and English as a Second Language and writing intensive courses.

## English as a Second Language Program

*Phone: (845) 257-3595*

*Location: van den Berg Learning Center, Annex 250*

*Web Address: [www.newpaltz.edu/esl](http://www.newpaltz.edu/esl)*

The Haggerty English Language Program (HELP) provides English-language instruction through innovative linguistic pedagogy and promotes international cultural exchange. The program serves international students enrolled in college, permanent residents, refugees and citizens of limited English proficiency who want to refine their academic skills in English or who want to learn English for personal or professional reasons.

International applicants who are not qualified for admission to a degree program because their English proficiency is limited may be admitted to the Haggerty Institute to study English as a Second Language (ESL) for one or more semesters while they acquire a level of proficiency in English considered adequate for successful participation in a full-time academic program. The HELP provides English language instruction at four levels: Elementary, Intermediate, Advanced and Academic Purposes for both full-time and part-time students. In addition to instruction in all skill areas (listening, speaking, reading, writing and grammar), the program also includes cultural activities, tutoring, computer-assisted language learning and language lab. With the permission of the Academic Coordinator, advanced and academic purposes level students may take academic courses while enrolled in HELP. However, enrollment in the program does not guarantee admission to the College.

Non-native English speakers who are admitted to the College will be tested to assess their English proficiency upon arrival. While some students may not be required to take any English as a Second Language courses, others may require one or more semesters to complete their ESL requirements.

# School of Fine and Performing Arts

Kurt Daw, Dean

## **Art Department**

*Phone: (845) 257-3830*

*Location: Fine Arts Building, Room 225*

*Web Address: [www.newpaltz.edu/fpa](http://www.newpaltz.edu/fpa)*

All applicants to the New Paltz art programs are required to submit a portfolio of work prior to enrollment in any coursework. Students entering the art programs are placed according to the strengths of their artistic capabilities as demonstrated by the proficiency and promise of work included in the portfolio.

Acceptances to New Paltz and enrollment into the Art or Art Education programs does not automatically grant entrance as a Bachelor of Fine Arts (BFA) candidate in a particular major area. The student enters as a prospective candidate for the Bachelor of Arts (BA) or Bachelor of Science (BS) degree in Visual Arts or as a pre-major in Art Education. To become a candidate for the BFA, the student must submit an internal portfolio to the major area the student desires on a schedule prescribed by that major.

### **Freshmen Applicants:**

Freshman applicants must first be admitted to New Paltz based solely on their academic credentials from high school. Upon acceptance to the college, students will be asked to submit a portfolio. The portfolio review is used to determine placement within the Art or Art Education programs. Detailed information regarding the content and submission of the portfolio is sent to all accepted freshmen who have indicated an interest in art or art education on their application for admission.

### **Transfer Applicants:**

Admission as a transfer student is to the major; therefore a review of both the student's college transcript(s) and submission of the transfer portfolio must occur simultaneously. A transfer application for admission is not considered complete until all college transcript(s) and the results of the portfolio review have been received by the Office of Undergraduate Admission. Information regarding the content and submission of the transfer portfolio is sent to all applicants upon receipt of their application; it is also available from the Office of Undergraduate Admission and the Art Department.

A minimum grade point average of 2.75 is required for consideration to the art and art education programs.

Transfer students who have not completed college art courses must submit the same portfolio required of entering freshmen.

Up to 12 credits for the equivalent of New Paltz freshman foundation courses (Drawing: Visual Thinking I, Drawing: Visual Thinking II, Integrated Design I: Space and Form, Integrated Design II: Forces) will be accepted on the basis of transcript alone. Credit will be given for grades of “B” or above for foundation course equivalents. Credit for other studio courses beyond the foundation sequence (and appropriate placement in our course sequences) shall be determined by portfolio review.

**Majors in Fine Arts**  
**Bachelor of Fine Arts**

**81-85 credits**

*NOTE: Students who are interested in pursuing a Bachelor of Fine Arts degree in a studio option, must present their work to the program faculty. This internal review process is in addition to the portfolio review required for admission to the Art Department. The BFA reviews are held in each studio option near the conclusion of each semester.*

**Required foundation courses.....15 credits**

- 09100 Drawing: Visual Thinking I (3)
- 09101 Drawing: Visual Thinking II (3)
- 09102 Integrated Design I: Space and Form (3)
- 09103 Integrated Design II: Forces (3)
- 09112 Art Seminar (3)

**Liberal arts requirement.....45-55 credits**

Each major candidate must complete 45-55 liberal arts credits that include 12 credits of art history and 3 credits of Senior Art Seminar.

**Art history courses.....12 credits**

- 11201 Art of the Western World I (3)
- 11202 Art of the Western World II (3)
- 11358 Early Twentieth-Century Art (3)
- OR
- 11359 Art of the Later Twentieth Century (3)
- OR
- 113XX Art History or Theory Elective (3)

**Senior Art Seminar..... 3 credits**

- 09490 Senior Art Seminar (3)

**One of the programs below.....54-55 credits**

**Ceramics Major**

**Required option courses.....30 credits**

- 09210 Basic Ceramics (3)
- 09314 Ceramics Materials (3)
- 09315 Ceramics (3) (Course must be repeated for up to 9 credits)
- 09317 Ceramic Seminar: BFA (3)
- 09318 Ceramic Sculpture (3)
- 09416 Design and Production (3)
- 09411 Senior Studio in Ceramics I (3)
- 09412 Senior Studio in Ceramics II (3)

**Required cognate courses.....12 credits**

- 09220 Basic Metal (3)

09240 Basic Painting (3)  
 09270 Basic Sculpture (3)  
 09301 Intermediate Drawing (3)  
 OR  
 09343 Intermediate Painting (3)  
**Studio electives.....9 credits**

**Metal Major**

**Required program courses.....28 credits**  
 09220 Basic Metal (3)  
 09321 Construction and Fabrication (3)  
 09322 Processes and Experimental Techniques I (3)  
 09323 Processes and Experimental Techniques II (3)  
 09324 Enameling (3)  
 09326 Metal Forming (3)  
 09420 Contemporary Ideas in Metal (4)  
 09421 Senior Studio in Metal I (3)  
 09422 Senior Studio in Metal II (3)  
**Required cognate courses..... 6 credits**  
 Any 200- or 300-level Studio Course (Two-Dimensional) (3)  
 Any 200- or 300-level Studio Course (Three-Dimensional) (3)  
**Studio electives.....21 credits**

**Graphic Design Major**

**Required program courses.....33 credits**  
 09205 Computer Aided Graphic Design (3)  
 09306 Visible Systems (3)  
 09307 Typography (3)  
 09308 Digital Photographic Imaging (3)  
 09309 Printed Books (3)  
 09310 Visual Language I (3)  
 09311 Graphic Design Applications (3)  
 09405 Design Theory and Criticism (3)  
 09406 Visual Language II (3)  
 09407 Graphic Design Thesis I (3)  
 09408 Graphic Design Thesis II (3)  
**Required cognate courses..... 6 credits**  
 09250 Basic Photography (3)  
 Any 200- or 300-level studio course  
**Studio electives.....12 credits**

**Painting/Drawing Major**

**Required program courses.....33 credits**  
 09240 Basic Painting (3)  
 09301 Intermediate Drawing (3) (Course must be repeated for up to 6 credits)  
 09305 Advanced Drawing (3)  
 09343 Intermediate Painting (3)  
 09344 Water Media/Collage (3)



- 09345 Advanced Painting (3)
- 09400 Drawing Projects (3)
- 09403 Contemporary Ideas in Painting (3)
- 09441 Senior Studio in Painting I (3)
- 09442 Senior Studio in Painting II (3)
- Required cognate courses..... 6 credits**
- 09XXX Any 200 or 300-level studio, 2-dimensional (outside of Painting/Drawing) (3)
- 09XXX Any 200 or 300-level studio, 3-dimensional (3)
- Studio electives.....12 credits**

**Photography Major**

- Required option courses.....33 credits**
- 09250 Basic Photography (3)
- 09308 Digital Photographic Imaging (3)
- 09331 The Photograph in Context (3) -- May be repeated for credit.
- 09332 The Large Format Image (3) -- May be repeated for credit.
- 09333 Photographic Print Workshop (3)
- 09334 Time-Based Projects (3) -- May be repeated for credit.
- 09350 The Constructed Image (3)
- 09450 The Document (3) -- May be repeated for credit.
- 09451 Contemporary Issues (3) -- May be repeated for credit.
- 09452 Senior Studio in Photography I (3)
- 09453 Senior Studio in Photography II (3)
- Required cognate courses..... 6 credits**
- 09205 Computer Aided Graphic Design (3)
- 09280 Basic Printmaking (3)
- Studio electives.....12 credits**

**Printmaking Major**

- Required program courses.....24 credits**
- 09280 Basic Printmaking (3)
- 09380 Photo Silkscreen (3)
- 09381 Monotype (3)
- 09385 Printmaking (3) (Course must be repeated for up to 6 credits)
- 09393 Selected Topics Course (3)
- 09480 Senior Studio in Printmaking I (3)
- 09481 Senior Studio in Printmaking II (3)
- Studio electives.....18 credits**
- Required cognate courses..... 6 credits**
- 09XXX Any 200 or 300-level studio, 2-dimensional (outside of Printmaking) (3)
- 09XXX Any 200 or 300-level studio, 3-dimensional (3)

**Sculpture Major**

- Required program courses.....27 credits**
- 09270 Basic Sculpture (3)
- 09375 Sculpture (3) (Course must be repeated for up to 12 credits)
- 09471 Senior Studio in Sculpture I (3)
- 09472 Senior Studio in Sculpture II (3)
- 09573 Sonic Measures (3)

09574 Sculpture Situations (3)

**Required cognate courses..... 9 credits**

1. Two dimensional course.
2. Three dimensional course outside of sculpture.

**Studio electives.....18 credits**

## **Visual Arts**

### **Bachelor of Arts and Bachelor of Science**

**48 credits**

**Required foundation courses.....15 credits**

09100 Drawing: Visual Thinking I (3)

09101 Drawing: Visual Thinking II (3)

09102 Integrated Design I: Space and Form (3)

09103 Integrated Design II: Forces (3)

09112 Art Seminar (3)

**Liberal arts requirement.....60-90 credits**

Bachelor of Arts 90 credits

Bachelor of Science 60 credits

Each major candidate must complete 60-90 liberal arts credits that include 18 credits of art history or art theory.

**200-300 level studio courses.....18 credits**

Any combination of basic 200-level studio courses (maximum of 5 courses) plus 300-level studio courses for a total of 18 credits. The 200-level course prerequisite must be met before any 300-level course may be taken.

**Required liberal arts cognate courses.....18 credits**

11201 Art of the Western World I (3)

11202 Art of the Western World II (3)

Any three 300- to 500-level art history or art theory courses for a total of 12 credits.

09XXX CAP stone BA/BS

### **Additional Requirements for Bachelor of Science in Visual Arts:**

In addition to the above 48 credits required, students entering the B.S. in Visual Arts program are urged to obtain early advice on selecting 15 additional non-liberal arts credits (which may include courses in art studio, music, theatre arts, education, business and computer sciences) in order to organize an individual program in the best possible way.

### **Minor in Art Studio**

**18 credits**

### **Acceptance Requirements**

Completion of 30 college credits with proof of minimum grade point average of 2.50 and approval of the Art Studio Department Chair. The Art Studio Minor is available only to non-Art Studio Majors.

### **Program Requirements**

Successful completion of 18 credits from the following categories:

#### **A. 3-6 Credits from the following courses**

09105 Introduction to Drawing and Design I (3)

09110 Introduction to Ceramics (3)

- 09120 Introduction to Metal (3)
- 09140 Introduction to Painting (3)
- 09150 Introduction to Photography (3)
- 09160 Introduction to Printmaking (3)
- 09170 Introduction to Sculpture (3)

**B. 3-6 Credits from the following courses**

- 09102 Integrated Design I: Space and Form (3)
- 09103 Integrated Design II: Forces (3)

**C. 6-12 Credits from the following courses**

- 09100 Drawing: Visual Thinking I (3)
- 09101 Drawing: Visual Thinking II (3)
- 09205 Computer Aided Graphic Design (3)
- 09210 Basic Ceramics (3) \*
- 09220 Basic Metal (3) \*
- 09240 Basic Painting (3) \*
- 09250 Basic Photography (3) \*
- 09270 Basic Sculpture (3) \*
- 09280 Basic Printmaking (3) \*

\* Enrollment in basic classes is not automatic and requires permission of instructor (PI) if not an art major.

Should students favor pursuing advanced level courses in any of the above areas, they may enroll with permission of instructor and the chair after satisfactory completion of the basic course.

**Liberal Arts Designation:**

The following courses count toward the liberal arts requirement: 09105, 09110, 09120, 09150, 09160, 09170.

In addition to the following, selected topics, fieldwork, independent study, and modular courses may be offered. See "Academic Policies and Procedures" in the Student Advising Handbook.

**Art Education**

***Phone: (845) 257-3850***

***Location: Smiley Art Building Room 108-A***

***Web Address: [www.newpaltz.edu/arted](http://www.newpaltz.edu/arted)***

The undergraduate program for art education provides a curriculum leading to the Bachelor of Science degree in Art Education. The curriculum plan includes course work in studio art, art criticism, art history, art education, and general education. Upon successful completion of the baccalaureate program, students are eligible for New York State initial certification to teach art in the public schools. (For additional information about student teaching and certification, see the section on Teacher Education Programs in this catalog.) Prerequisites to this major include acceptance to the Art Studio program and a minimum cumulative grade point average of 2.75. To declare a major

or pre-major in art education, applications are available in the art education office.

## **Major in Art Education**

### **Bachelor of Science**

**82 credits**

**Art Education Requirements.....30 credits**

- 10190 Foundations of Art Education (3)
- 10191 Field Observations in Art Education (1)
- 10200 Art Criticism (3)
- 10302 Curriculum and Instruction (3)
- 10303 Theory and Practice (3)
- 10305 Art for the Exceptional Child (3)
- 10391 Field Assistantship in Art Education (1)
- 10392 Internship in Art Education (1)
- 10405 Student Teaching in Art Pre-K-6 (6)
- 10406 Student Teaching in Art 7-12 (6)

**Art Studio Requirement.....12 credits**

- 09100 Drawing: Visual Thinking 1 (3)
- 09101 Drawing: Visual Thinking II (3)
- 09102 Integrated Design I: Space and Form (3)
- 09103 Integrated Design II: Forces (3)

**Art History Requirement.....9-12 credits**

- 11201 Art of the Western World I (3)
- 11202 Art of the Western World II (3)

Each major candidate is required to take three - six additional hours of upper-division art history credit under advisement by art education faculty.

**Education Requirement..... 6 credits**

Each major candidate is required to take six hours of courses offered by the Faculty of Education under advisement by art education faculty.

**Required Art Studio or Art Education Electives.....24-30 credits**

15-18 credits demonstrating breadth of two-dimensional and three-dimensional processes selected under advisement by art education faculty from the following:

- |                               |                |
|-------------------------------|----------------|
| Art Education Selected Topics | Sculpture      |
| Painting                      | Ceramics       |
| Photography                   | Graphic Design |
| Printmaking                   | Metals         |

In addition, 9-12 upper-division credits in one studio area are required. Each major candidate must complete a minimum of 48 liberal arts credits as well as a minimum of 45 upper-division credits.

### **Liberal Arts Designation:**

The following courses count toward the liberal arts requirement: 10190, 10200, 11201, 11202.

## **Art History**

**Phone: (845) 257-3875**

**Location: Old Main Building Room 5**

**Web address: [www.newpaltz.edu/arhistory](http://www.newpaltz.edu/arhistory)**

## **Art History Major**

**33 credits**

**Required courses..... 6 credits**

11201 Art of the Western World I (3)

11202 Art of the Western World II (3)

**Electives.....27 credits**

Each major candidate must complete at least one course in each of the following six areas:

1. Classical art
2. Medieval art
3. Renaissance or Baroque art
4. Eighteenth- or Nineteenth-Century art
5. Twentieth-Century art
6. Asian art

## **Art History Minor**

**21 credits**

These 21 credits may be distributed over a broad spectrum of art history courses through advisement, or may be a concentration of courses in one or more areas that relate to the student's major field and career goals. The required 7 art history courses must include at least 4 upper-division art history courses and at least 3 art courses not already used to satisfy the requirements of the student's major.

## **Honors Program in Art History**

Art History majors pursuing a Bachelor of Arts degree are encouraged to apply for admission to the Art History Honors Program if they meet all the following criteria: a cumulative average in all course work at the college of 3.0 or above, an average in Art History course work at the college of 3.5 or above, and completion of 21 or more credits in Art History. Application must be made at the beginning of the last semester of the junior year.

Admission to the Honors Program will permit students to enroll in 11461 and 11462, Honors Thesis in Art History I and II (three credits each). Credit for 11461 will not be allowed unless 11462 is completed; only three of these six credits may be used toward completion of the 33-credit major.

Students admitted to the Honors Program will undertake independent study and write a thesis on a subject chosen by the student in consultation with the faculty, approved by the department chair, and supervised by the appropriate member of the faculty. Successful completion of the thesis -- indicated by a grade of B+ or better in 11461 and 11462 -- will result in the student graduating with honors in Art History, a distinction that will appear on the college transcript.

Questions regarding this Honors Program should be directed to the chair of the Art History Department.

## **Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

## Music

Phone: (845) 257-2700/2701

Location: College Hall G, Room 100

Web: [www.newpaltz.edu/academics/fine\\_performing\\_arts/music.html](http://www.newpaltz.edu/academics/fine_performing_arts/music.html)

### Major in Music

60-61 credits

Required courses for all Music majors except Music Therapy and Jazz Studies.....39 credits

66141-145 Participation in Major Music Organization (4 semesters) (2 each) (8)\*

66150 Concert Series Attendance (8 semesters) (0)+

66XXX 3 semesters of Piano (6)\*\*

66203 Theory I (3)

66204 Theory II (3)

66231 Sight Singing and Ear Training I (1)

66232 Sight Singing and Ear Training II (1)

66303 Theory III (3)

66320 Keyboard Harmony and Improvisation (2)

66331 Music of the Middle Ages and Renaissance (3)

66332 Music of the Baroque and Classical Periods (3)

66333 Music of the Romantic and Contemporary Periods (3)

66364 Form and Analysis (3)

\* Any credits in excess of 8 can be used to fulfill music elective requirements. A minimum of three semesters of ensemble participation must be taken in residence.

\*\* Piano I, II, III.

+ Minimum -- must be taken every semester in residence.

### One of the concentrations below:

21-24 credits

#### Music History and Literature

Required courses.....21 credits

66221-222 Applied Music (begins in Sophomore year) (2 each) (4)

66365 Instrumentation (3)

66366 Counterpoint (3)

66430 Bibliographic Research in Music (3)

66490 Senior Project (0)

Electives in Music (8)

#### Performance

Required courses.....22 credits

66221-422 Applied Music (8 semesters) (16)

66483 Senior Recital (0)

Electives in Music (6)

#### Music Theory and Composition

Required courses.....21 credits

66221-222 Applied Music (begins in Sophomore year) (4) (2 each)

66310 Jazz Theory I (3)

- 66350 Computer and Electronic Music (3)
- 66365 Instrumentation (3)
- 66366 Counterpoint (3)
- 66367 Techniques of Composition (3)
- 66412 Applied Music (2)
- 66490 Senior Project (0)
- Electives in Music (2)

**Recommended Elective in Music..... 3 credits**

- 66346 Conducting (3)

*NOTE: A student granted a waiver of any music course(s) must take an equivalent number of credits in other music course(s) as electives.*

**Jazz Studies**

**62 credits**

**Required Courses.....62 credits**

Participation in Major Music Organization (6 semesters) (12)\*

- 66150 Concert Series Attendance (8 semesters) (0)+
- 66160 History of Jazz (3)
- 66201 Piano I (2)
- 66202 Piano II (2)
- 66203 Theory I (3)
- 66204 Theory II (3)
- 66210 Jazz Improvisation Workshop (2)
- 66211-412 Applied Music (8 semesters) (16) (2 each)
- 66231 Sight Singing and Ear Training I (1)
- 66232 Sight Singing and Ear Training II (1)
- 66310 Jazz Theory I (3)
- 66311 Jazz Theory II (3)
- 66332 Music of the Baroque and Classical Periods (3)
- 66333 Music of the Romantic and Contemporary Periods (3)
- 66365 Instrumentation (3)
- 66410 Jazz Improvisation Workshop (2)
- 66483 Senior Recital (0)

**Recommended Electives in Music**

- 66207-208 Jazz Piano I & II (2 each)
- 66210-410 Jazz Improvisation Workshop (2) -- (May be repeated for credit.)
- 66350 Computer and Electronic Music (3)

*\* To be chosen from the following courses: Jazz Ensemble, Chamber Jazz Ensembles, Vocal Jazz Ensemble, Musical Theatre Orchestra.*

*+ Minimum -- must be taken every semester in residence.*

*NOTE: A student granted a waiver of any music course(s) must take an equivalent number of other music course(s) as electives.*

**Music Therapy**

**127-133 credits**

**Required courses in Music.....54-60 credits**

- 66141-145 Participation in Major Music Organization (4 semesters) (8)\* (2 each)
- 66150 Concert Series Attendance (8 semesters) (0)+
- 66XXX 3 semesters of Piano (6)\*\*

- 66203 Theory I (3)
  - 66204 Theory II (3)
  - 66205 Voice I (2)
  - 66217 Guitar I (2)
  - 66218 Guitar II (2)
  - 66221-422 Applied Music (begins in Sophomore year) (8) (2 each)
  - 66231 Sight Singing and Ear Training I (1)
  - 66232 Sight Singing and Ear Training II (1)
  - 66303 Theory III (3)
  - 66320 Keyboard Harmony and Improvisation (2)
- Choose 2 out of 3 Music History Survey Courses:*
- 66331 Music of the Middle Ages and Renaissance (3)
  - 66332 Music of the Baroque and Classical Periods (3)
  - 66333 Music of the Romantic and Contemporary Periods (3)
  - 66346 Conducting (3)
  - 66364 Form and Analysis (3)
  - 66365 Instrumentation (3)
  - Electives in Music (4)

\* *Any credits in excess of 8 can be used to fulfill music elective requirements. A minimum of three semesters of ensemble participation must be taken in residence.*

\*\* *Piano I, II, III.*

+ *Minimum -- must be taken every semester in residence.*

**Required courses in Music Therapy.....24 credits**

- 66240 Introduction to Music Therapy (3)
- 66340 Music Therapy Methods and Materials (3)
- 66345 Psychology of Music (3)
- 66440 Music in Therapy (3)
- 66441 Problems and Issues in Music Therapy (3)
- 66442 An Introduction to Experimental Research in Music and Music Therapy (3)
- 66480 Music Therapy Practicum I (3 semesters) (6)

*A fourth semester of Practicum may be used to fulfill 2 credits of General College Elective.*

**Required related courses.....19 credits**

- 07481 Transcultural Health (3)
- 15170 Human Biology (3)
- 80272 General Psychology (3)
- 80412 Abnormal Psychology (3)

College requirements must be met and additional courses taken to total a minimum of 127-133 credits, as required by AMTA.

After completing the required academic courses each Board Certification candidate is required to complete a six-month internship at an American Music Therapy Association, Inc.-approved clinical facility.

Upon successful completion of the internship, the student must pass the examination of the certification board for Music Therapists, Inc. in order to be a Board Certified Music Therapist.

*NOTE: A student granted a waiver of any music course(s) must take an equivalent number of credits in other music*



course(s) as electives.

**Minor in Music**

**25 credits**

**Required courses.....25 credits**

66106 Fundamentals of Music Theory (3)

or

66203 Theory I (3)\*

or

66204 Theory II (3)\*

66141-145 Participation in Major Music Organization (2 semesters) (4) (2 each)

66201 Piano I (2)

66202 Piano II (2)

*Choose 2 out of 3 Music History Survey Courses:*

66331 Music of the Middle Ages and Renaissance (3)

66332 Music of the Baroque and Classical Periods (3)

66333 Music of the Romantic and Contemporary Periods (3)

Electives in Music (5)

*\* Entrance by placement exam.*

*NOTE: A student granted a waiver of any music course(s) must take an equivalent number of credits in other music course(s) as electives.*

**Liberal Arts Designation:**

All courses in music theory and music history count towards the liberal arts requirements. The following courses in music therapy also count towards the liberal arts requirements: 66240, 66345, 66441, 66442. The other courses in music therapy and all courses in applied music and performance do not count toward the liberal arts requirement.

**Theatre Arts**

***Phone: (845) 257-3865***

***Location: College Theatre Room 102***

**Major in Theatre Arts**

**52 credits**

*NOTE: Theatre Arts Participation, 91301, must be taken four times for a total of 4 credits.*

*\* Special Note: A grade of "C-" or better must be earned in all theatre courses to earn credit toward a theatre major.*

Substitutions for courses in any specific area of the program may be approved by the Departmental Chair.

***Theatre Core Requirements.....31 credits***

91231 Acting I (3)

91251 Theatre One (3)

91252 Introduction to Theatre Technology (3)

91253 Costume Construction I (3)

- 91301 Theatre Arts Participation (1)
- 91301 Theatre Arts Participation (1)
- 91301 Theatre Arts Participation (1)
- 91301 Theatre Arts Participation (1)
- 91321 Theatre History I (3)
- 91322 Theatre History II (3)

**Concentration Requirements.....18 credits**

**Supportive Requirement..... 3 credits**

In addition to the above listed core courses, students must complete a 9 credit requirement in a selected concentration (Design/Technical or the Performance) **AND** an additional 9 credits of electives in that concentration. The additional 3 credit supportive requirement must be earned by completing an elective in the other area.

**Performance Concentration Requirement..... 9 credits**

- 91303 Voice for Theatre I (3)
- OR
- 91334 Speech for the Stage (3)
- 91332 Acting II (3)
- 91337 Introduction to Dance/Movement (3)
- OR
- 91339 Jazz I (3)

**Design/Technical Concentration Requirement..... 9 credits**

- 91352 Introduction to Computer Assisted Design (3)
- 91354 Scene Design I (3)
- 91XXX

**Theatre Electives: Performance = P; Design/Technical =DT; \* = entrance by audition/interview**

- 91211 Rehearsal and Production (1) P/DT
- 91212 Rehearsal and Production (2) P/DT
- 91213 Rehearsal and Production (3) P/DT
- 91241 Mind and Movement (2) P/DT
- 91295 Independent Study in TA (3) P/DT
- 91303 Voice for Theatre I (3) P
- 91304 Voice for Theatre II (3) P
- 91305 Musical Theatre Workshop I (3) P\*
- 91306 Musical Theatre Workshop II (3) P\*
- 91310 Live Theatre Experience (3) P/DT
- 91325 Playmaking (3) P
- 91332 Acting II (3) P
- 91333 Acting III (3) P\*
- 91334 Speech for the Stage (3) P
- 91335 Stage Makeup I (3) P/DT
- 91336 Stage Makeup II (3) P/DT\*
- 91337 Introduction to Dance/Movement (3) P
- 91338 Tap Dance I (3) P
- 91339 Jazz I (3) P
- 91341 Dialects for the Stage (3) P\*
- 91342 Stage Management (3) DT
- 91343 Scene Painting (3) DT\*

91345	Jazz Dance II (3)	P*
91346	Tap Dance II (3)	P*
91347	Choreography for Musical Theatre (3)	P*
91351	Drafting for the Theatre (3)	DT
91352	Introduction to Computer Assisted Design (3)	DT
91353	Costume Construction 2 (3)	DT
91354	Scene Design 1 (3)	DT
91362	Improvisation and Performance (3)	P
91363	Scene Study (3)	P*
91364	A Modern Approach to Ballet (2)	
91365	Theatrical Movement Technique (2)	
91371	Text Analysis for the Actor (3)	P*
91411	Rehearsal and Production (1)	P/DT
91412	Rehearsal and Production (2)	P/DT
91413	Rehearsal and Production (3)	P/DT
91420	American Musical Theatre (3)	P
91425	Multiculturalism and Theatre (3)	P/DT
91432	Acting IV (3)	P*
91441	Directing I (3)	P/DT
91442	Directing II (3)	P*
91451	Portfolio Development Seminar (3)	DT*
91453	Costume Crafts (3)	DT*
91454	Scene Design 2 (3)	DT*
91455	Costume Design 2 (3)	DT*
91456	Lighting Design 2 (3)	DT*
91490	Senior Project in Theatre (3)	
91492	Fieldwork in Professional Theatre (3)	DT*
91494	Fieldwork in Theatre (3-15)	P/DT*
91495	Independent Study in TA (2-4)	P/DT*
91594	Fieldwork in TA (3-15)	P/DT*
91293, 91393, 91493	Selected Topics (1-3)	

Some of the titles recently offered as Selected Topics:

- Introduction to Autocad (3)
- Broadway Dance Styles (3)
- History of Costume (3)
- Making Dance (3)
- Stage Combat (2)
- Mask and Mime (2)
- Lighting Design I (3)
- Movement in Asian Theatre (2)

**Minor in Theatre Arts**

**24 credits**

*Required courses.....15 credits*

- 91330 Introduction to Theatre (3)
- 91252 Introduction to Theatre Technology (3)

91253 Costume Construction I (3)

*Any two of the following:*

91321 Theatre History I (3)

91322 Theatre History II (3)

***Electives..... 9 credits***

The remaining 9 credits must be selected from existing Theatre courses and/or Departmental Selected Topics, in consultation with the student's advisor. Students should attempt to find a specific theatre focus within the electives category.

**Liberal Arts Designation:**

The following courses count toward the liberal arts requirement: 91211, 91212, 91213, 91252, 91254, 91310, 91321, 91322, 91323, 91324, 91325, 91330, 91334, 91338, 91339, 91341, 91342, 91353, 91354, 91362, 91363, 91411, 91412, 91413, 91420, 91425, 91441, 91442, 91453, 91456, 91490, 91595.

# College of Liberal Arts and Sciences

Gerald Benjamin, Dean

## Anthropology

*Phone: (845) 257-2990*

*Location: Wooster Science Building Room 124*

*Web address: [www.newpaltz.edu/anthropology](http://www.newpaltz.edu/anthropology)*

Courses in the Department of Anthropology deal with three areas. Physical anthropology is concerned with the evolution of human beings as biological organisms and with the physical variation within contemporary human populations. Archaeology and prehistory explore the extinct cultures of the past and attempt to elucidate the processes involved in their development. Sociocultural anthropology is involved with the comparative analysis of socially learned behavior patterns and institutions of contemporary populations from all areas of the world.

## Archaeology Field School

The department offers a summer program that affords students with the opportunity to participate in an actual archaeological excavation. Emphasis is placed on excavation techniques, methods of classification and analysis, and anthropological interpretation. At present, efforts are concentrated on Paleo-Indian, Archaic, Woodland and Contact Period sites in the mid-Hudson region of New York.

## Major in Anthropology

**36 credits**

**Required courses.....21 credits**

- 07211 General Anthropology (3)
- 07213 Introduction to Archaeology (3)
- 07214 Cultural Anthropology (3)
- 07301 Human Evolution (3)
- 07400 Development of Anthropological Thought (3)
- 07401 Comparative Social Organization (3)
- 07402 Research Methods in Anthropology (3)

**Electives.....15 credits**

Each major candidate is required to complete, by advisement, 5 upper-division anthropology courses at least two of which shall be from two different geographic areas.

Majors are encouraged to go beyond the 36-hour program in order to develop greater concentrations in the particular sub-fields of anthropology. In addition to taking more courses within the anthropology curriculum, they are encouraged to study in the related fields.

**Minor in Anthropology**

**18 credits**

**Required courses.....12 credits**

*One of the following:*

07211 General Anthropology (3)

07214 Cultural Anthropology (3)

*One of the following:*

07213 Introduction to Archaeology (3)

07301 Human Evolution (3)

*Plus:*

Another 300-level course (3)

One 400-level course (or above) (3)

**Electives..... 6 credits**

Two courses at any level.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Asian Studies**

***Phone: (845) 257-3546***

***Location: JFT 922***

***Web address: [www.newpaltz.edu/asianstudies](http://www.newpaltz.edu/asianstudies)***

The Asian Studies program offers students the opportunity to deepen their international outlook through interdisciplinary study of East Asia and South Asia. In conjunction with Chinese or Japanese language study, students may choose from several dozen courses offered by faculty in over ten departments. Areas of expertise include Asian art, the anthropology of South Asia, intercultural communication with China, the history and politics of East Asia, U.S.-China relations, the modern history of Vietnam, Asian philosophies, the film of China, Asian-American literature, and Chinese women.

Students in Asian Studies often, though not always, elect to combine their study of Asia with another major or minor in a particular discipline.

Instruction is greatly augmented by study abroad opportunities in China and Japan, a superb library collection of books and periodicals on Asia, and by the resources of a newly designed language laboratory.

Graduates with expertise in East Asia are sought by employers in a wide range of professions, including academia, business, government and think tanks, international companies and organizations, libraries and museums, media, non-profit organizations, and language teaching abroad.

### **Contract Major in Asian Studies**

**36-38 credits**

A contract major in Asian Studies can be individually designed in close consultation with a contract committee, composed of the Program Director and two additional members of the Asian Studies Faculty.

**Required courses.....16 credits**

Two years of language study in either Chinese or Japanese. Students with a high degree of language proficiency in these or other Asian languages may take 16 credits in other Asian Studies courses.

**Content Courses on Asia.....20 credits**

Two courses in the civilization or culture of the area whose language is studied, and additional courses in Asian Studies to total 20 credits.

### **Minor in Asian Studies**

**18 credits**

The minor provides an introduction to the study of Asian languages and culture. To students of Asian descent it also serves to provide a better appreciation of themselves and of their heritage.

**Required courses..... 8 credits**

One year of language study in either Chinese or Japanese. Students with language proficiency in these or other Asian languages may take 8 credits in other Asian Studies courses.

**Content Courses on Asia.....10 credits**

One course in the civilization or culture of the country whose language is being studied, and additional courses in Asian Studies to total 10 credits.

### **Courses:**

In addition to the Asia-content courses listed under individual department, selected topics, fieldwork, independent study, and modular courses may be offered. See “Academic Policies and Procedures” in the Student Advising Handbook.

Students interested in a minor or contract major in Asian Studies should consult with the Asian Studies Program Director in the Department of History.

## **Biology**

***Phone: (845) 257-3770***

***Location: Coykendall Science Building Room 106***

***Web address: [www.newpaltz.edu/biology](http://www.newpaltz.edu/biology)***

There are two tracks within the liberal arts biology curriculum: (1) Organismal/Environmental Biology and (2) Cell/Molecular Biology. In each track there is a requirement for a year of General Biology and for the appropriate chemistry, physics, and math courses. Although the tracks differ in their course requirements, all lead to the B.S. or B.A. degree in biology. However, most medical, dental, and veterinary schools require one year of General Biology (with lab), two years of chemistry through organic chemistry (with lab), one year of physics (with lab), one year of math, and one year of English. Biochemistry is suggested for medical schools. Most graduate schools require two years of chemistry through organic chemistry (with lab), one year of physics (with lab), calculus, statistics, and reading knowledge of a foreign language. For graduate study in cell or molecular biology, a full year of biochemistry is recommended.

The biology program places great value on the quality of the learning experience; classes are small and lab courses offer hands-on training in valuable research methods. These include transmission and scanning electron microscopy, electrophoresis of protein and DNA, restriction mapping, microbiological techniques, identification of plant pathogens, and much more. Our location also provides exceptional opportunity for investigations in ecology, ornithology and field biology.

**Majors in Organismal/Environmental Biology 63-69 credits**

Students in the Organismal/Environmental Biology track are required to take in addition to General Biology I and II, five core courses (Genetics, Ecology, Plant Morphology or Comparative Vertebrate Anatomy, General Microbiology, General Physiology or Plant Physiology) and three biology electives.

**Required biology courses.....37-42 credits**

- 15201 General Biology I (4)\*
- 15202 General Biology II (4)\*
- 15320 Genetics (4)
- 15340 Ecology (4)
- 15350 General Microbiology (4)

*One of the following:*

- 15417 General Physiology (4)
- 15425 Plant Physiology (4)

*One of the following:*

- 15305 Plant Morphology (4)
- 15307 Comparative Vertebrate Anatomy (5)

**Biology electives..... 9-13 credits**

Each major candidate is required to complete 3 upper-division courses in biology, with at least one at the 400 level or above.

**Required cognate courses.....26-27 credits \*\***

- 22201 General Chemistry I (4)
- 22202 General Chemistry II (4)
- 22318 Organic Chemistry I (4)
- 64241 Introduction to Statistics (3)

*One of the following:*

- 64245 Basic Calculus (4)
- 64251 Calculus I (4)

*One of the following:*

- 75221 Fundamental Physics I (4)
- 75201 General Physics I (4)

*One of the following:*

- 22319 Organic Chemistry II (4)
- 15318 Biological Chemistry (3)

**Cell/Molecular Biology 58-63 credits**

Students in the Cell/Molecular Biology track are required to take in addition to General Biology I and II, five core courses (Genetics, General Microbiology, Developmental Plant Anatomy or



Developmental Biology, General Microbiology and Principles of Cell Biology) and three biology electives.

**Required biology courses.....23 credits**

- 15201 General Biology I (4)\*
- 15202 General Biology II (4)\*
- 15320 Genetics (4)
- 15350 General Microbiology (4)
- 15430 Principles of Cell Biology (3)

*One of the following:*

- 15311 Developmental Plant Anatomy (4)
- 15313 Developmental Biology (4)

**Biology electives..... 9-13 credits**

Each student is required to take 3 upper-division electives, at least one of which is at the 400 level or above.

**Required cognate courses.....26-27 credits\*\***

- 22201 General Chemistry I (4)
- 22202 General Chemistry II (4)
- 22318 Organic Chemistry I (4)
- 64241 Introduction to Statistics (3)

*One of the following:*

- 64245 Basic Calculus (4)
- 64251 Calculus I (4)

*One of the following:*

- 75201 General Physics I (4)
- 75221 Fundamental Physics I (4)

*One of the following:*

- 22319 Organic Chemistry II (4)
- 15318 Biological Chemistry (3)

\* *Should be completed in freshman year, in the sequence indicated.*

\*\* *Should be completed prior to senior year.*

**Minor in Biology**

**Minimum of 18 credits**

**Required courses..... 8 credits**

- 15201 General Biology I (4)\*
- 15202 General Biology II (4)\*

**A minimum of 10 upper-division credits chosen by advisement.....10 credits**

The college also offers an Interdisciplinary minor in Environmental Science. See index.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Black Studies**

*Phone: (845) 257-2760*

*Location: Faculty Office Building West 2*

*Web address: [www.newpaltz.edu/blackstudies](http://www.newpaltz.edu/blackstudies)*

The Black Studies curriculum is multidisciplinary with courses drawn from history, humanities, sociology, psychology, political science, and economics. There are two major tracks: 1) a major in Liberal Arts Black Studies, and 2) a major in Elementary Education (B-2 and 1-6) Black Studies. There is no language requirement, however students interested in travel or study in Africa are encouraged to acquire reading and/or speaking ability in an African language, KiSwahili, offered each semester. The department also offers for credit 17300 (Voices of Unity-a gospel choir) for a maximum of three semesters per student.

Although fieldwork is not required, students majoring in Black Studies are strongly urged to participate for credit in a field activity or internship with organizations and agencies that impact upon the lives of Blacks.

**Liberal Arts Major in Black Studies**

**33 credits**

**Required courses.....12 credits**

- 17100 Introduction to Black Studies (3)
- 17201 Black History I (3)
- 17202 Black History II (3)
- 17490 Seminar in Black Studies (3)

**Four courses.....12 credits**

One course from each of the four cores: historical, humanities, sociopsychological, and political-economic.

*Historical Core:*

- 17200 Introduction to Africa (3)
- 17231 Development of Afro-Latin American Civilizations (1492-1825) (3)
- 17232 Contemporary Afro-American Civilizations Since 1825 (3)
- 17301 Survey of Pre-colonial Africa to 1800 (3)
- 17302 Survey of Contemporary Africa: 19th Century to Present (3)
- 17309 Introduction to Afro-Brazilian History (3)
- 17311 Blacks in the Caribbean, 1492-Present (3)
- 17331 The American Civil Rights Movement (3)
- 17347 History of South Africa (3)
- 17401 Blacks in New York History (3)
- 17450 The Portuguese in Africa (3)
- 17460 West African Kingdoms in the Nineteenth Century (3)

*Humanities Core:*

- 17260 Essence of Black Music (3)
- 17263 Black Dance (3)
- 17265 African American Art (3)
- 17268 Survey of Black American Literature (3)
- 17269 Black Poetry and Drama (3)
- 17300 Gospel Choir (Voices of Unity) (2)
- 17310 Blacks and the Media (3)
- 17320 Contemporary Black American Literature (3)
- 17323 Black Poetry (3)

- 17328 Black Drama in America (3)
- 17333 Black Rhetoric (3)
- 17380 Black Music of the 1960's (3)
- 17396 Black English: Language and Culture (3)
- 17412 Critical Analysis of Black American Literature (3)
- 17415 Recurrent Themes in Black Literature (3)
- 17510 Contemporary Black Women's Literature (3)

*Socio-Psychological Core:*

- 17221 The Black Woman (3)
- 17271 Black Sociology (3)
- 17340 Psychological Studies of Black Americans (3)
- 17350 Contemporary Social Issues in the Black Community (3)
- 17355 The Black Family (3)
- 17357 Psychology of the Black Child (3)
- 17370 Education in the Black Community (3)
- 17420 Counseling Under-represented Students (3)

*Political-Economic Core:*

- 17175 Issues in the Education of Under-represented College Students (3)
- 17250 Malcolm X: The Man and His Times (3)
- 17275 Advocacy Journalism in the Black Community (3)
- 17290 The Political Economy of Black America (3)
- 17330 Race and Racism in U.S. History(3)
- 17335 Blacks and American Law (3)
- 17345 Black and Latino Leadership (3)
- 17360 Politics of the U.S.A. and the Black Community (3)
- 17364 History of Black Political Thought (3)
- 17430 Black Organization and Movements in the Twentieth Century (3)

**Electives ..... 9 credits**

Each major candidate is required to complete, by advisement, 3 additional Black Studies courses.

**Minor in Black Studies**

**18 credits**

**Required course..... 3 credits**

- 17100 Introduction to Black Studies (3)

**Electives ..... 15 credits**

Each minor candidate is required to complete, by advisement, five additional Black Studies courses in two different cores. It is highly recommended tat each minor candidate take one course from the Historical Core. Minors are also encouraged to consider taking 55101 Elementary KiSwahili I and 55102 Elementary KiSwahili II to fulfill their language requirement for General Education.

*Historical Core:*

- 17200 Introduction to Africa (3)
- 17201 Black History I (3)
- 17202 Black History II (3)
- 17231 Development of Afro-Latin American Civilizations (1492-1825) (3)

- 17232 Contemporary Afro-American Civilizations Since 1825 (3)
- 17301 Survey of Pre-colonial Africa to 1800 (3)
- 17302 Survey of Contemporary Africa: 19th Century to Present (3)
- 17309 Introduction to Afro-Brazilian History (3)
- 17311 Blacks in the Caribbean, 1492-Present (3)
- 17331 The American Civil Rights Movement (3)
- 17347 History of South Africa (3)
- 17401 Blacks in New York History (3)
- 17450 The Portuguese in Africa (3)
- 17460 West African Kingdoms in the Nineteenth Century (3)

*Humanities Core:*

- 17260 Essence of Black Music (3)
- 17263 Black Dance (3)
- 17265 African American Art (3)
- 17268 Survey of Black American Literature (3)
- 17269 Black Poetry and Drama (3)
- 17300 Gospel Choir (Voices of Unity) (2)
- 17310 Blacks and the Media (3)
- 17320 Contemporary Black American Literature (3)
- 17323 Black Poetry (3)
- 17328 Black Drama in America (3)
- 17333 Black Rhetoric (3)
- 17380 Black Music of the 1960's (3)
- 17396 Black English: Language and Culture (3)
- 17412 Critical Analysis of Black American Literature (3)
- 17415 Recurrent Themes in Black Literature (3)
- 17510 Contemporary Black Women's Literature (3)

*Political-Economic Core:*

- 17175 Issues in the Education of Under-represented College Students (3)
- 17250 Malcolm X: The Man and His Times (3)
- 17275 Advocacy Journalism in the Black Community (3)
- 17290 The Political Economy of Black America (3)
- 17330 Race and Racism in U.S. History(3)
- 17335 Blacks and American Law (3)
- 17345 Black and Latino Leadership (3)
- 17360 Politics of the U.S.A. and the Black Community (3)
- 17364 History of Black Political Thought (3)
- 17430 Black Organization and Movements in the Twentieth Century (3)

*Socio-Psychological Core:*

- 17221 The Black Woman (3)
- 17271 Black Sociology (3)
- 17340 Psychological Studies of Black Americans (3)
- 17350 Contemporary Social Issues in the Black Community (3)
- 17355 The Black Family (3)

- 17357 Psychology of the Black Child (3)  
17370 Education in the Black Community (3)  
17420 Counseling Under-represented Students (3)

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Communication and Media**

*Phone: (845) 257-3450*

*Location: Coykendall Science Building Room 51*

*Web address: [www.newpaltz.edu/comm\\_media](http://www.newpaltz.edu/comm_media)*

The Department of Communication and Media consists of distinct majors in Communication, Journalism, Public Relations, and Radio and Television (Electronic Media). All the Department's majors lead to either the bachelor of arts or bachelor of science degree, blending technical and theoretical courses that can lead to graduate study or a variety of careers, from journalism to radio-television to public relations to corporate and public communication.

Students wishing to declare a major in any area of this department must have completed a minimum of 30 credits of college-level work and have at least a 2.00 GPA. Acceptance into the Radio/Television Production and Public Relations area is limited. See the Department office, web page, or Admissions for specific requirements and deadlines.

The Journalism and Radio/Television programs are housed in a building wing with two computer labs for writing; one computer lab for editing and graphics; two video editing suites, including computers for multi-media production; and two audio studios complete with editing facilities. There are also two lounges and a reading-seminar room for students taking courses in Communication and Media.

Students may not receive a grade lower than "C-" in any course considered part of the student's major program.

For more information about the Journalism and Public Relations majors look under "Journalism Program".

**Majors in Communication**

**40 credits**

The major in Communication emphasizes an understanding of communication principles and humanistic approaches to communication studies as well as the development of skills in political, organizational, and interpersonal contexts. The major provides a foundation for graduate work or for a career in any profession that deals with the public, such as politics, law, business, social work, or teaching. Students majoring in Communication may focus their course work by choosing one or more of the following concentrations: Public Communication, Organizational Communication, or

Interpersonal-Intercultural Communication.

**Required Introductory Courses..... 6 credits**

90102 Introduction to Communication (3)

90104 Public Speaking (3)

**Required Intermediate Courses..... 6 credits**

*Choose two:*

90202 Interpersonal Communication (3)

90204 Discussion (3)

90213 Performance of Literature (3)

90357 Argumentation (3)

**Required Theory Courses..... 4 credits**

*Choose one:*

90353 Theories of Persuasion (4)

90354 Communication Research Methods (4)

**Concentration.....12 credits**

Majors must complete one concentration including a seminar that is considered the capstone course.

**Concentration 1: Public Communication**

*Select 3 courses in addition to the seminar.*

77319 Politics and Media (3)

90356 Communication and Dissenting Voices (3)

90433 Aesthetics and Criticism of Television (3)

90451 Political Communication (3)

90452 Communication and Gender (3)

90453 Contemporary Communication Seminar (3)

**Concentration 2: Organizational Communication**

*Select 3 courses in addition to the seminar.*

53315 Public Relations 1 (3)

90221 Introduction to Advertising (3)

90359 Communication Among Cultures (3)

90360 Organizational Communication I (3)

90431 Advertising Sales (3)

90450 Negotiation (3)

90454 Organizational Communication Seminar (3)

**Concentration 3: Interpersonal-Intercultural Communication**

*Select 3 courses in addition to the seminar.*

87379 Sociology of Interpersonal Relationships (3)

90355 Non-verbal Communication (3)

90358 Conflict Management (3)

90359 Communication Among Cultures (3)

90452 Communication and Gender (3)

90455 Interpersonal Communication Seminar (3)

**Elective Communication Courses.....12 credits**

(at least 6 upper-division credits)

## **Radio/Television (Electronic Media)**

**40 credits**

Majors in Radio/Television Production may choose from one of two tracks: management or production. Management majors prepare in areas such as advertising, global media systems, law, research, and programming for management positions across the various media. Majors in the production track learn how to use the tools necessary to create mediated messages, but more importantly they learn how the technology allows them to communicate effectively. Acceptance to the Production major is limited. You must have 30 credits, completed or be in the process of completing the core and have a 2.50 GPA before you can apply.

Transfer students are reminded that at least one-half of the major course work (a minimum of 20 credits) must be completed at New Paltz. Our internship program also requires applicants to maintain a 2.50 GPA, both overall and within the major. No grade lower than a "C-" will count toward the major requirements.

### **Management Track**

**Core Courses.....12 credits**

- 90101 Media and Society (3)
- 90221 Introduction to Advertising (3)
- 90224 Electronic Media Management and Economics (3)

*Select one of the following:*

- 90104 Public Speaking (3)
- 90203 Radio and Television Performance (3)
- 90204 Discussion (3)
- 90357 Argumentation (3)
- 91334 Speech for the Stage (3)

**Required Courses.....14 credits**

- 90322 Electronic Media Programming (4)
- 90323 Communication Technology (3)
- 90350 Media Research Methods (4)

OR

- 90354 Communication Research Methods (4)

*Select one of the following:*

- 90431 Advertising Sales (3)
- 90433 Aesthetics and Criticism of Television (3)
- 90434 International Media Systems (3)
- 90454 Organizational Communication Seminar (3)

**Select three of the following courses:..... 9-10 credits**

- 53452 Mass Media Law (3)
- 90331 Broadcast and Cable History (3)
- 90353 Theories of Persuasion (4)
- 90360 Organizational Communication I (3)
- 90431 Advertising Sales (3)
- 90432 Television in American Culture (3)
- 90434 International Media Systems (3)
- 90450 Negotiation (3)

**Elective Courses..... 6 credits**

Three (3) credits must be upper division, up to three (3) may be from outside the department given

advisor approval, and up to three (3) credits of internship can count as electives.

**Production Track**

**Core Courses.....12 credits**

- 90101 Media and Society (3)
- 90224 Electronic Media Management and Economics (3)
- 90319 Electronic Media Writing (3)

*Select one of the following:*

- 90104 Public Speaking (3)
- 90203 Radio and Television Performance (3)
- 90204 Discussion (3)
- 90357 Argumentation (3)
- 91334 Speech for the Stage (3)

**Required Courses (to be taken in sequence).....16 credits**

- 90320 Audio Production (4)
- 90340 Studio Video Production (4)
- 90440 Portable Video Production (4)
- 90445 Seminar in Production (4)

**Elective Courses.....12 credits**

Nine credits must be upper division and only three credits may come from an internship. Electives are to be chosen from the following or by advisement:

- 90221 Introduction to Advertising (3)
- 90322 Electronic Media Programming (4)
- 90323 Communication Technology (3)
- 90331 Broadcast and Cable History (3)
- OR
- 53347 Media Ethics (3)
- 90339 Electronic Media Law and Regulations (3)
- OR
- 53452 Mass Media Law (3)
- 90350 Media Research Methods (4)
- 90419 Screenwriting (3)
- 90432 Television in American Culture (3)
- 90433 Aesthetics and Criticism of Television (3)
- 90434 International Media Systems (3)
- 90490 Internship in Communication/Media (variable credits)
- 90491 Internship Seminar (1)

**Minor in Communication**

**18 credits**

**Required Courses..... 6 credits**

*Select one of the following:*

- 90101 Media and Society (3)
- 90102 Introduction to Communication (3)

*Select one of the following:*

- 90104 Public Speaking (3)
- 90202 Interpersonal Communication (3)
- 90204 Discussion (3)
- 90213 Performance of Literature (3)



**Elective Courses.....12 credits**

Select any four communication courses by advisement; three of these must be upper-division level.

**Liberal Arts Designation:**

The following courses may not be counted toward the liberal arts requirement: 90320, 90340, 90440, 90445, 90490.

**Communication Disorders**

***Phone: (845) 257-3620***

***Location: Humanities Room 14A***

***Web address: [www.newpaltz.edu/commdis](http://www.newpaltz.edu/commdis)***

Undergraduate programs in Communication Disorders have been offered at SUNY New Paltz since 1969. These programs prepare students for careers in speech-language pathology, audiology, and related areas such as deaf education. The department offers both a liberal arts major program and a speech education major program that leads to a New York State teaching certificate. The department also offers ASHA-accredited graduate programs in Communication Disorders, with concentrations in Speech and Language Disabilities (with teaching certificate) and Speech-Language Pathology..

The department provides pre-major advisement. Students who are potentially interested in majoring in Communication Disorders are urged to contact the department early in their academic careers.

**Facilities**

The newly renovated SUNY New Paltz Speech and Hearing Center serves the community while providing students with on-site clinical training. The Center serves over 1,000 individuals each year, providing a full range of diagnostic and therapy services in both speech-language pathology and audiology. Services are coordinated by full-time supervisory staff. All supervisors hold ASHA certification and NYS licensure.

Facilities for Speech-Language Pathology include five speech therapy suites and a diagnosis room with audio and video observation systems, as well as a student preparation room. The Center has a comprehensive collection of therapy materials and diagnostic tests, and computer-based instrumentation systems for diagnosis and therapy.

The Audiology clinic includes two sound-proofed audiometric test suites, intake and hearing aid dispensing areas, a room for auditory-evoked potential testing, and a hearing aid dispensing area. Equipment is state-of-the-art, including audiometers, immittance bridges, evoked potential units, an otoacoustic emissions analyzer, and a real-ear and measurement system. A PC-based system is used in the dispensing of programmable digital hearing aids.

The Center also has a pleasant waiting room with areas for adults and children, a classroom (with one-way observation into the diagnostics room) and a computer classroom with nine Pentium PCs and a network printer.

Additional resources may be found in the Sojourner Truth Library, which holds an extensive collection of books, journals, and clinical test materials. The library also subscribes to relevant electronic databases.

**Major Plans**

Major plans and additional information are listed below. The department provides pre-major advisement. Students who are potentially interested in majoring in Communication Disorders are urged to contact the department early in their academic careers.

**Academic Track**

**48 credits**

The Communication Disorders “Academic Track” (major code 588) is a liberal arts major which prepares students for graduate study in speech-language pathology, audiology or related areas. Electives in American Sign Language and deaf studies are available. Students may begin this 48-credit major prior to or during the fall of the junior year. A minimum grade point average of 2.80 is required for entrance into the major.

**Communication Disorders**

**48 credits**

**Required Core Courses.....27 credits**

- 88301 Speech Science (3)
- 88302 Phonetics (3)
- 88305 Hearing Science (3)
- 88306 Language Development in Children (3)
- 88310 Anatomy & Physiology of the Speech and Hearing Mechanism (4)
- 88312 Introduction to Communication Disorders (3)
- 88401 Observations in Communication Disorders (2)
- 88405 Tests and Assessment of Communication Disorders (3)
- 88417 Audiology (3)

**Additional Required Courses.....12 credits**

- 88409 Introduction to Aural Rehabilitation (3)
- 88415 Disorders of Child Language (3)
- 88416 Articulatory and Motor Speech Disorders (3)
- 88418 Disorders of Prosody and Voice (3)

**Elective Courses..... 6 credits**

*To be selected from:*

- 88202 Deaf Culture and Heritage (3)
- 88260 Sign Language I (3)
- 88361 Sign Language II (3)
- 88407 Speech Perception and Hearing Impairment (3)
- Other - by advisement

**Communication Skills Elective Course..... 3 credits**

*To be selected from:*

- 90104 Public Speaking (3)
- 90202 Interpersonal Communication (3)

- 90204 Discussion (3)
- 90213 Performance of Literature (3)

NOTES:

1. A 2.8 grade point average is the minimum criterion for admission to the major.
2. Grades below C- in Communication Disorders courses are not accepted.
3. A 2.0 Communication Disorders course average is required for degree application.

**Certification Track**

**85 credits—(61 undergrad & 24 graduate)**

The Speech and Language Disabilities “Certification Track” (major code 790) leads to the New York State initial certificate as a Teacher of Students with Speech and Language Disabilities. This unique program is linked to the graduate program in Communication Disorders. Students begin in the “Academic Track” (588) major, and apply for admission to the certification track major during the spring of the junior year. Some students may be able to apply for admission to the 790 program in the spring of the sophomore year, and earn the BA and initial certificate in four years rather than five. Interested students must meet with the chair of the department during the freshman year. Students who are accepted are guaranteed admission to the graduate program as long as academic and clinical performance remain satisfactory. The bachelors degree and initial certificate are awarded en route to the masters degree, allowing students to work in area schools while completing the program. A minimum grade point average of 3.00 is required for entrance into the major.

Students who wish to enter the 790 major must first declare the 588 “Academic Track” major and complete a core of prerequisite course work. After completing this core, students may either apply to the 790 program, or continue on to complete the 588 major program. Applications to the 790 program are due in the department office by March 1 of the junior year. The application includes a personal statement, three letters of reference, GRE scores, and transcripts.

During the senior year, students in the 790 major track take a mixture of undergraduate and graduate courses, including pedagogy course work, the clinical participation sequence (88402, 88403), and six communication disorders courses (three undergraduate and three graduate). During the fifth year, students complete two more graduate education courses and two pedagogy-based courses in speech-language pathology (Early Intervention and Augmentative Communication). Additional clinical practicum on campus and the off-campus student teaching placement (with seminar) also are completed during this year.

Students receive the bachelors degree and are recommended for the Initial Certificate (T.S.S.L.D.) at the end of this year, and are matriculated as graduate students (program code 090). Thereafter, students complete a 30-credit graduate major plan, which can be done through part-time study if the student chooses to work under the Initial Certificate — (T.S.S.L.D.). A major plan and synopsis of a typical time-table for completion of the 790 program follow.

**Communication Disorders**

**85 credits**

**Speech and Language Disabilities**

Prerequisite Courses.....30 credits

- 88301 Speech Science (3)
- 88302 Phonetics (3)
- 88305 Hearing Science (3)

- 88306 Language Development in Children (3)
- 88310 Anatomy & Physiology of the Speech and Hearing Mechanism (4)
- 88312 Introduction to Communication Disorders (3)
- 88401 Observations in Communication Disorders (2)
- 88405 Tests and Assessments of Communication Disorders (3)
- 88415 Disorders of Child Language (3)
- 88417 Audiology (3)

**Required Courses.....19 credits**

*A. Science Requirement (6)*

- 88508 Speech Physiology (3)
- 88509 Articular Phonetics (3)

*B. Speech, Language, and Hearing Disorders (13)*

- 88406 Diagnosis in Speech-Language Pathology (4)
- 88409 Introduction to Aural Rehabilitation (3)
- 88418 Disorders of Prosody and Voice (3)
- 88504 Phonological Disorders (3)

**Elective Courses..... 3 credits**

- 90104 Public Speaking (3)
- 90202 Interpersonal Communication (3)
- 90204 Discussion (3)
- 90213 Performance of Literature (3)

**Education Courses.....20 credits**

- 38340 Sociological and Philosophical Foundations of Education (3)
- 38371 Child Psychology and Development (3)
- 3X5XX Literacy Course (see department for list of approved courses) (3)
- 88510 Organization of Speech, Language, and Hearing Programs in the Educational Setting (2)
- 88520 Augmentative Communication (3)
- 88521 Early Intervention (3)

**Clinical Practicum.....13 credits**

- 88402 Clinical Participation I (2)
- 88403 Clinical Participation II (3)
- 88411 Student Teaching in Speech and Language Disabilities (8)
- 88503 Practicum in Speech Language-Pathology (1)

**NOTES:**

1. Admission into this major is by application only, during the semester in which the prerequisite courses are completed (March 1 of the junior year). A minimum 3.0 GPA is required for admission to the major.
2. Acceptance into this major GUARANTEES the student a place in the graduate program leading to the M.S. in Communication Disorders (Speech-Language Disabilities Concentration), as long as academic and clinical performance are satisfactory (3.0 minimum GPA, grades of S in Clinical Participation I & II).
3. Grades below C- in Communication Disorders courses are not accepted.
4. Students who fall below a 3.0 minimum GPA in Communication Disorders courses will be ineligible for the student teaching placement and will graduate at the end of the senior year under the 588 "academic track" major.
5. NYS Department of Education Examinations: Liberal Arts & Sciences Exam (LAST) and Assessment of Teaching Skills - Written (ATS-W) must be taken during the last year of the program.
6. Seminars in Child Abuse Prevention and School Safety must be taken during the last year of the program.

## Timetable for Completion of the Linked B.A./M.S. in Communication Disorders – Speech and Language Disabilities

Time Line Relative to Matriculation (Freshman Yr)	Program/Activity
Freshman/Sophomore Yrs	General Education requirement at SUNY New Paltz or other institution
Spring, Sophomore Yr	Declare undergraduate 588 “academic track” major or gain acceptance into this major as a transfer for the fall of the junior year (minimum G.P.A. of 2.8)
Junior Yr	Take 30 credits prerequisites course work as a 588 “academic track” major
March 1, Junior Yr	Application for linked program B.A./M.S. in Speech and Language Disabilities due in Department Office (minimum G.P.A. of 3.0)
Senior Yr	Matriculate in linked B.A./M.S. Take courses in Comm. Dis. & Education, start on-campus practica.
Year 5	Continue with program and practica, complete student teaching placement if eligible. (If academic and clinical performance are not satisfactory, the student graduates at the end of year 4 or the first semester of year 5 in the 588 “academic track” major.)
May, Year 5	B.A. awarded, student recommended to NYSED for initial certificate (T.S.S.L.D.)
Year 6 Or Years 6-8	Students may continue in the program full time and complete all remaining requirements for the M.S. within one year. OR Students may continue in the program while working under the initial certificate (T.S.S.L.D.). First year must be in a mentored teaching situation.
Completion of all requirements for M.S. (30 credits)	M.S. awarded. Graduate recommended for: (1) Professional Certificate (T.S.S.L.D.), (2) N.Y.S. Licensure in Speech-Language Pathology, (3) A.S.H.A. certification

### **Major Plans**

Major plans and additional information are available in the department office. The department also offers pre-major advisement. Students who are potentially interested in majoring in Communication Disorders are urged to contact the department early in their academic careers.

### **Liberal Arts Designation:**

The following courses may not be counted toward the liberal arts requirement: 88402, 88403, 88411.

### **Economics**

*Phone: (845) 257-2969*

*FAX: (845) 257-3581*

*Location: Jacobson Faculty Tower Room 814*

*Web address: [www.newpaltz.edu/economics](http://www.newpaltz.edu/economics)*

The Department of Economics offers a program leading to a Bachelor of Arts/Bachelor of Science in Economics. It is designed to prepare students for graduate work in economics and in business

administration as well as for entry-level professional jobs in industry, government, and non-profit organizations.

Within the economics program students may concentrate in Business Economics or International Economics, or they may choose a General Economics program. Students intending to pursue graduate study in either economics or business administration are advised to follow the general program. Since graduate programs expect competence in mathematics, it is strongly recommended that students complete Calculus I and II.

The concentration areas within the program are specifically designed to enable students to combine a liberal arts orientation with their individual graduate work/career objectives. Prospective majors in economics are strongly advised to seek faculty advice in planning their program consistent with their career goals and objectives.

Students should be aware of prerequisite requirements on all courses and may not register for courses when the prerequisite requirements have not been met. Senior Seminar in Economics is a capstone for the majors, thus all of the core requirements should be completed prior to taking it.

### **Major in Economics**

**43-48 credits**

**Core Requirements.....28-29 credits**

- 20309 Statistics for Business and Economics I (3)
- 20311 Statistics for Business and Economics II (3)
- 25XXX An introductory Computer Course (3 or 4)
- 33206 Microeconomics (3)
- 33207 Macroeconomics (3)
- 33306 Theory of Price (3)
- 33307 National Income Analysis (3)
- 33351 History of Economic Thought (3)
- 33450 Senior Seminar in Economics (4)

#### **Concentration**

*All students must select one of the following concentrations:*

### **General Economics**

**15-20 credits**

Any five upper-division economics courses not already used to satisfy the core requirement.\*

\* 20341 Fundamentals of Corporate Finance may be substituted for one of the Economics courses.

### **Business Economics**

**15-19 credits**

*Three of the following:*

- 20341 Fundamentals of Corporate Finance (3)
- 33303 Money and Banking (3)
- 33304 Public Finance (4)
- OR
- 33305 State and Local Public Finance (3)
- 33312 Labor Economics (4)
- 33404 Economics of Regulation and Antitrust (3)

*Two of the following:*

Any upper division economics course not already used to satisfy the above.

**International Economics \***

**15-17 credits**

*Required:*

- 33401 International Trade and Finance (3)
- 33302 Comparative Economic Systems (3)
- 33418 Economics of Development (3)

*\* Certain selected topics courses such as Economic Development of Pacific Asia may be substituted.*

*Two of the following:*

Any upper division economics course not already used to satisfy the above.

**Minors in Economics (General)**

**15-16 credits**

*Required:*

- 33206 Microeconomics (3)
- 33207 Macroeconomics (3)

*Choice of three of the following:*

- 33303 Money and Banking (3)
- 33304 Public Finance (4)
- 33306 Theory of Price (3)
- 33307 National Income Analysis (3)
- 33351 History of Economic Thought (3)
- 33401 International Trade and Finance (3)

**Economics (International Trade and Development)**

**15-17 credits**

*Required:*

- 33206 Microeconomics (3)
- 33207 Macroeconomics (3)

*Choice of three of the following:*

- 33302 Comparative Economic Systems (3)
- 33401 International Trade and Finance (3)
- 33418 Economics of Development (3)
- 33X93 Certain selected topics courses in this field may be submitted.

**Economics (Government and Public Policy)**

**15-17 credits**

*Required:*

- 33206 Microeconomics (3)
- 33207 Macroeconomics (3)

*Choice of three of the following:*

- 33303 Money and Banking (3)
- 33304 Public Finance (4)
- 33305 State and Local Public Finance (3)
- 33307 National Income Analysis (3)
- 33312 Labor Economics (4)
- 33404 Economics of Regulation and Antitrust (3)

**Economics (Monetary Economics)**

**15 credits**

*Required:*

- 33206 Microeconomics (3)

- 33207    Macroeconomics (3)
- 33303    Money and Banking (3)
- 33307    National Income Analysis (3)
- 33401    International Trade and Finance (3)

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**English**

*Phone: (845) 257-2720*

*Location: Jacobson Faculty Tower Room 714*

*Web address: [www.newpaltz.edu/english](http://www.newpaltz.edu/english)*

The Department of English offers several programs designed to give students a knowledge of their linguistic and literary heritage and to develop their skills as writers and critics. Each of the tracks within the major has its own requirements. These programs prepare students for careers in teaching, publishing and business as well as for graduate work in English and a variety of other disciplines in which effective reading and writing skills are important. At least half the work toward the major must be completed at New Paltz. Students must earn a grade of "C-" or better in courses used for an English major or minor. Freshman English courses do not count toward the major, nor do courses taken under the pass/fail option. Students who hope to become teachers must earn at least a grade of "C" in both freshman English courses.

**English Honors Program**

English majors may apply for the English honors program if they have a grade point average of 3.50 in at least six English courses (exclusive of Freshman English). They must make application to the Chair of English during the second semester of their junior year. During their senior year, they will write an honors thesis that will be judged by a three-person committee. They may earn three credits for this work, which can count as an elective in their major program. Successful completion of the honors program entitles the student to graduate with honors in English -- acknowledged on their college transcript. For further details, ask at the English Department office for the English Honors Information Sheet.

**Majors in English (Liberal Arts)**

**43 credits**

**Required Courses.....22 credits**

- 41301    English Literature I (4)
- 41302    English Literature II (4)
- 41331    American Literature I (4)
- 41332    American Literature II (4)

*One of the following:*

- 41406    Shakespeare I: Selected Works (3)
- 41407    Shakespeare II: Selected Works (3)



*One of the following:*

41420 Literary Criticism (3)

41423 Major Trends in Twentieth-Century Criticism (3)

**Elective Courses.....21 credits**

Seven English courses. At least **six** of these courses must be in literature, and at least **four** of these literature courses must be at the 400 or 500 level. Most 400- and 500-level elective courses have 300-level survey course prerequisites (i.e., 41301, 41302, 41331, 41332) and therefore can be taken only after completion of the relevant 300-level course or courses (see individual course listings for details). 500-level courses are subject to the same prerequisites, and are open by permission of the instructor only.

Students are strongly advised to maintain regular contact with their advisors as they plan their course selections.(See the Graduate Catalog for descriptions of 500-level courses.)

### **English (Graduate Preparatory)**

**55 credits**

**Required Courses.....22 credits**

41301 English Literature I (4)

41302 English Literature II (4)

41331 American Literature I (4)

41332 American Literature II (4)

*One of the following:*

41406 Shakespeare I: Selected Works (3)

41407 Shakespeare II: Selected Works (3)

*One of the following:*

41420 Literary Criticism (3)

41423 Major Trends in Twentieth-Century Criticism (3)

**Required..... 3 credits**

41451 Senior Seminar (3)

**Elective Courses.....18 credits**

Six courses in literature, offered by the English Department, of which at least **four** must be at the 400- or 500- level. Senior Seminar (41451) is usually taken in the last or penultimate semester. Most 400- and 500-level elective courses have 300-level survey course prerequisites (i.e., 41301, 41302, 41331, 41332) and therefore can be taken only after completion of the relevant 300-course or courses (see individual course listings for details). 500-level courses are subject to the same prerequisites, and are open by permission of the instructor only. Students are strongly advised to maintain regular contact with their advisors as they plan their course selections and consider their readiness to undertake graduate studies.

**Foreign Language Requirement.....12 credits**

Graduate Preparatory majors are required to complete at least 4 college-level courses in a foreign language, or to demonstrate an equivalent reading knowledge of the language through examination.

### **English (Creative Writing)**

**43 credits**

**Required Courses.....28 credits**

41301 English Literature I (4)

41302 English Literature II (4)

41331 American Literature I (4)

41332 American Literature II (4)

41345 Creative Writing Workshop I (3)

- 41445 Creative Writing Workshop II (3) \*
- 41446 Creative Writing Workshop III (3)

\*All creative writing students must submit a portfolio for review after Creative Writing Workshop II. After the portfolio has been reviewed and approved, the student will take **one** of the following craft courses:

- 41452 The Craft of Fiction (3)
- 41453 The Craft of Poetry (3)
- 41454 The Craft of Creative Nonfiction (3)
- 41455 The Craft of Dramatic Writing (3)

**Electives.....15 credits**

Five English courses. At least **four** of these courses must be in literature, at least **three** of these literature courses must be at the 400- or 500-level. Most 400- and 500-level elective courses have 300-level survey course prerequisites (i.e., 41301, 41302, 41331, 41332) and therefore can be taken only after completion of the relevant 300-course or courses (see individual course listings for details). 500-level courses are subject to the same prerequisites, and are open by permission of the instructor only.

Students are strongly advised to maintain regular contact with their advisors as they plan their course selections.

**Minor in English**

**20-22 credits**

**Required Courses.....11 credits**

*One of the following:*

- 41406 Shakespeare I: Selected Works (3)
- 41407 Shakespeare II: Selected Works (3)

*Any two of the following:*

- 41301 English Literature I (4)
- 41302 English Literature II (4)
- 41331 American Literature I (4)
- 41332 American Literature II (4)

**Three Elective courses in English.....9-11 credits**

With the approval of the department advisor, **one** at the 400 or 500 level. Not more than one of these may be a non-literature course.

**Minor in Creative Writing**

**20 credits**

**Required Courses..... 12 credits**

- 41345 Creative Writing Workshop I (3)
- 41445 Creative Writing Workshop II (3)\*
- 41446 Creative Writing Workshop III (3)

\* All creative writing students must submit a portfolio for review after Creative Writing Workshop II. After the portfolio has been reviewed and approved, the student will take **one** of the following craft courses:

- 41452 The Craft of Fiction (3)
- 41453 The Craft of Poetry (3)
- 41454 The Craft of Creative Nonfiction (3)
- 41455 The Craft of Dramatic Writing (3)

**Elective Courses.....8 credits**

*Two of the following survey courses*

- 41301 English Literature I (4)
- 41302 English Literature II (4)
- 41331 American Literature I (4)
- 41332 American Literature II (4)

## **Foreign Languages**

***Phone: (845) 257-3480***

***Location: Jacobson Faculty Tower Room 414***

***Web address: [www.newpaltz.edu/foreign\\_lang](http://www.newpaltz.edu/foreign_lang)***

The Department of Foreign Languages offers undergraduate and graduate instruction. Liberal arts majors are available in French, German, and Spanish. A major in foreign languages with concentration in French or Spanish is available for students in elementary education (Childhood 1-6 and Early Childhood), and majors in French, German and Spanish are available in secondary education (7-12). Undergraduate majors in liberal arts and secondary education require at least 33 credits above the intermediate level. Minors are offered in French, German, Italian, Russian and Spanish. In addition to the above, instruction is regularly offered in Chinese, Hebrew, Japanese, KiSwahili, Latin and Spoken Mandarin. A number of courses in the literature and culture of France, Germany, Italy, Japan, Latin America, Russia, and Spain are offered in English.

All language courses must be taken proceeding from lower to higher level.

### **Immersion Programs**

The Language Immersion Institute offers a large number of popular two-week Language Immersion Programs each summer, as well as a series of weekend sessions during the academic year and in the summer. Students may earn one credit during each weekend session or three credits for each summer two-week session. Both weekend and summer Immersion Programs offer intensive language instruction at various levels of difficulty. The languages offered include Arabic, Chinese, Czech, Dutch, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Swedish, Ukrainian and Yiddish. Consult the Language Immersion Institute office for a detailed schedule of Immersion Programs.

### **Honor Societies**

A chapter of Sigma Delta Pi, the national Spanish honor society, was established in 1987 and a chapter of Pi Delta Phi, the French national honor society, was established in 2002. Each year, outstanding eligible undergraduates of New Paltz are invited to join these societies.

### **Liberal Arts Designation:**

All courses offered by the Department of Foreign Languages count toward the liberal arts requirement.

### **Language Learning Center (0)**

The recent completely remodeled and upgraded *Language Learning Center* provides equipment, digital/analog materials, and an environment outside the classroom dedicated to enhancing the study of foreign languages. One of the rooms houses twenty-five student stations with the latest PCs, flat screens, and headsets; a laser-jet printer; DVD, CD and VCR players; Internet access and dedicated foreign language software programs. A teacher's console allows for specialized lessons and private, personal, attention to students' needs. The other room, reserved for student-independent study, consists of ten PCs with similar equipment, Internet and software access, as well as fifteen traditional analog tape decks and video monitors. Students may also have personal copies of language cassettes made in the center. Use of the center increases the efficiency and quality of language learning by providing additional exposure to the spoken language.

Most elementary and intermediate language classes are now also supported with our virtual lab. Required oral/aural homework assignments are obtainable in a streaming media format through a password-protected site on the Internet.

### **Chinese**

See "Asian Studies" for information on minor and contract majors.

### **French**

A major program is offered in French language and literature for students in liberal arts or Elementary and Secondary Education programs. Students are admitted to the major upon completion of Intermediate French or placement. A minor in French is also available.

### **Paris Summer Program, France**

In cooperation with the Department of Foreign Languages, the Office of International Education offers a five-week summer program in Paris for undergraduate and graduate students and for teachers of French. The program centers upon active instruction in language, literature and culture. Formal instruction is augmented by field trips, excursions, movies, and visits to museums in order to provide a first-hand knowledge of French civilization. There is also free time for travel.

### **Overseas Academic Year or Semester in Besançon, France**

An academic year or semester program is offered at the University of Besançon (Center for Applied Linguistics and the Faculty of Letters) to qualified undergraduate and graduate students. Students select from a wide variety of courses in French language, literature, culture, civilization, and social sciences.

### **Major in French**

Basic Language Courses.....12 credits

**36-48 credits**

- 46101 Elementary French I (3)
- 46102 Elementary French II (3)
- 46201 Intermediate French I (3)
- 46202 Intermediate French II (3)

Students with prior training or experience in French may obtain waivers for one or more of the basic language courses listed above, after consultation with the Foreign Language Department.

**Required Courses.....24 credits**

*All of the following:*

- 46301 French Composition and Conversation I (4)
- 46302 French Composition and Conversation II (4)
- 46319 French Civilization (4)
- 46320 Francophone Cultures (4)
- 46375 French Literature to 1800 (4)
- 46376 French & Francophone Literature After 1800 (4)

*One of the following:*

- 46401 Advanced French Composition and Conversation I (3)
- 46402 Advanced French Composition and Conversation II (3)

**Electives.....9 credits**

Each major candidate is required to complete, by advisement, three courses in French at the 400 level or equivalent.

### **Minor in French**

Each minor candidate is expected to complete, by advisement, 16 credits beyond Intermediate French. These credits must be at the 300 level or above.

## **German**

A major in German language and literature is available for students in liberal arts and secondary education.

A knowledge of German is an invaluable tool for anyone seriously studying the history of our civilization with its social triumphs, its holocausts, and its enduring achievements in music, philosophy, literature, and the fine arts. Numerous other fields, from modern physics to psychology, were pioneered by German minds and continue to receive valuable contributions from Germany, Austria, and Switzerland. Germany plays a leading role in the European Union. Thus, German will continue to be an important language for industry and commerce in the foreseeable future.

### **Major in German**

**33-45 credits**

**Basic Language Courses.....12 credits**

- 52101 Elementary German I (3)
- 52102 Elementary German II (3)
- 52201 Intermediate German I (3)
- 52202 Intermediate German II (3)

Students with prior training or experience in German may obtain waivers for one or more of the basic

language courses listed above, after consultation with the Foreign Languages Department.

**Required Courses.....18 credits**

- 52311 German Composition and Conversation I (3)
- 52312 German Composition and Conversation II (3)
- 52316 Germany Today (3)
- 52406 Modern German Fiction (3)
- 52409 Nineteenth-Century German Plays (3)
- 58311 Modern Germany (3)

**Electives.....15 credits**

Each major candidate is required to complete, by advisement, five courses (15 credits) at the 300 or 400 level in German or in cognate areas with a substantial German component. Such cognate areas include Art History, History, Music, Philosophy, Political Science and Sociology.

**Minor in German**

Each candidate for a minor is expected to complete, by advisement, 15 credits in German courses beyond 52202 at the 300 or 400 level.

**Hebrew**

Instruction is offered in Hebrew, but there is no major program. Students may wish to study Hebrew for personal interest or in relation to a degree program in a field such as history, political science, or Middle Eastern studies. Study at a leading Israeli university for a semester or a year can be arranged.

**Italian**

Students may take courses in Italian for personal interest or in relation to a degree program in such fields as art, business, literature, history, music and philosophy. There is presently no major program in Italian.

**Italian Studies**

The Italian Studies program offers a 21-credit interdisciplinary minor for students seeking a comprehensive understanding of Italy and its many contributions to western civilization. To students of Italian descent it serves also to provide a better appreciation of themselves and of their heritage.

However, a contract major in Italian can be individually designed in consultation with the Coordinator of the Italian Studies program. The major would consist of 30 credits.

**Minor in Italian Studies**

**21-33 credits**

**Required Courses..... 9-21 credits**

*Basic language courses (not counting toward minor):*

- 59101 Elementary Italian I (3)
- 59102 Elementary Italian II (3)
- 59201 Intermediate Italian I (3)

59202 Intermediate Italian II (3)

*NOTE: Students with prior training or experience in Italian may obtain waivers for one or more of the basic language courses listed above, after consultation with the Department of Foreign Languages.*

*Three courses from the following:*

59261 Italian Society in Film (in English) (4)

59301 Italian Composition and Conversation (3)

59331 Italian Literature in English I (3)

59332 Italian Literature in English II (3)

59375 Italian Cinema (4)

59441 Modern Italian Literature (in English) (3)

**Electives.....12 credits**

Four courses taken under advisement from the Departments of Art History, English, History, Music and Philosophy. Other departments from time to time teach courses that relate to Italian Studies. See the program coordinator.

### **Programs in Italy**

A five-week summer program in Italian is offered in Urbino, in cooperation with the Office of International Education. The program includes courses in Italian language, literature and culture.

An academic-year program is available at the University of Urbino to qualified undergraduate students having at least two years of college-level Italian.

## **Japanese**

See "Asian Studies" for information on minor and contract major.

## **KiSwahili**

Instruction is offered in KiSwahili, but there is no major program in KiSwahili. Students may take these courses for personal interest or to support studies in a major program in another area. KiSwahili is the most widely spoken language in Africa and it is recommended for majors and minors in Black Studies, majors in Foreign Languages, Anthropology and Linguistics, and persons traveling and doing business in Africa.

## **Latin**

Instruction is offered in Latin, but there is no major program in Latin. Students may take these courses for personal interest or to support studies in a major program in another area.

## **Russian**

Instruction is offered in the Russian language and an interdisciplinary minor in Russian studies is available. Students may study Russian for personal interest or in relation to a major in a field such as economics, history, political science or international relations. There is no major program in Russian.

The minor in Russian studies is designed to provide the student with an understanding of Russian language culture and civilization. A basic knowledge of Russian language, literature, and history is provided by the required courses. Electives may be taken under advisement in economics, political science, and geography, as well as history and literature. This program will prepare interested students for careers related to some aspect of Russian-American political, cultural, and economic relations.

### **Minors in Russian Studies**

**18 credits**

**Required Courses..... 6 credits**

58332 Imperial Russia (3)

58333 Soviet Union (3)

**Four of the Following.....12 credits**

84101 Elementary Russian I (3)

84102 Elementary Russian II (3)

84201 Intermediate Russian I (3)

84202 Intermediate Russian II (3)

84271 Russian Culture (3)

84366 Russian Civilization (3)

84371 Russian Literature in English (3)

84374 Soviet Literature in English (3)

OR

Selected topics in Russian by advisement.

## **Spanish**

An academic major is offered in Spanish language and literature for students in liberal arts or Elementary and Secondary Education education programs. A student is admitted to the major upon completion of Intermediate Spanish or placement. Students in the elementary education curriculum (Early Childhood B-2 and Childhood 1-6) may major in Spanish; students in secondary education may select Spanish as an option.

### **Summer Program in Oviedo, Spain**

In cooperation with the Department of Foreign Languages and the University of Oviedo, the Office of International Education offers an intensive program at the University of Oviedo for undergraduate and graduate students and teachers of Spanish (Elementary and Secondary Education). The program includes active instruction in language, phonetics, history, culture and literature. Formal instruction will be augmented by seminars, field trips, movies, plays, and public lectures. Students will have the final ten days free to travel at their own expense.



### **Academic Year Program in Seville, Spain**

In cooperation with the Department of Foreign Languages, the Office of International Education offers an academic-year program at the University of Seville to qualified undergraduate and graduate students. Spanish majors will be able to select from a wide variety of courses in Spanish language, literature, culture, civilization and social sciences. Courses in other languages and disciplines may also be taken. Non-majors may attend if they are fluent in Spanish. Prerequisite: Spanish 89361.

### **Major in Spanish**

**36-49 credits**

**Required Courses.....36-49 credits**

*Basic Language courses:*

- 89101 Elementary Spanish I (3)
- 89102 Elementary Spanish II (3)
- 89201 Intermediate Spanish I (3)
- 89202 Intermediate Spanish II (4)

*Students with prior training or experience in Spanish may obtain waivers for one or more of the basic language courses listed above, after consultation with the Foreign Language Department. Native speakers may substitute courses for native speakers for the above.*

**Required Courses.....24 credits**

- 89301 Spanish Composition and Conversation I (4)
- 89361 Spanish Composition and Conversation II (4)
- 89365 The Culture and Civilization of Spain (4)
- 89372 Culture of Latin America I (4)
- 89375 Survey Spanish Literature (4)
- 89375 Survey of Latin American Literature (4)

*One of the following:*

- 89363 Spanish Phonetics and Oral Practice (3)
- 89461 Advanced Spanish Composition (3)
- 89462 Spanish Grammar Review for Teachers (3)

**Electives..... 9 credits**

Each major is required to complete by advisement 3 courses in Spanish at the 400 or 500 level.

### **Minor in Spanish**

**19-20 credits**

Each minor candidate is expected to complete, by advisement, 19-20 credits beyond the intermediate level in at least two of three areas of language, literature and culture.

## **Geography**

***Phone: (845) 257-2995***

***Location: Hanmer House***

***Web address: [www.newpaltz.edu/geography](http://www.newpaltz.edu/geography)***

The Department of Geography offers a comprehensive major within the liberal arts curriculum designed to prepare students for graduate study in geography or for employment in fields actively seeking geographers. The department also offers an emphasis in planning for students who wish to

undertake graduate study in planning or to obtain employment in that field. A Geographic Information System (GIS) sequence is offered in addition to courses in Cartography and Remote Sensing.

For those majoring in other fields, a minor in Geography is available.

In addition, the department cooperates in various programs, such as Business Administration with an emphasis in Planning and Regional Affairs, Environmental Science, Asian Studies, Latin American Studies and Urban Studies. Students in the elementary education curriculum (Early Childhood B-2 and Childhood 1-6) may major in geography; students in secondary education (social studies) may select geography as an option. The department also offers courses designed to permit graduate students majoring in secondary social studies to concentrate in geography as their liberal arts field.

To complement the academic program, the department offers an internship at several public and private agencies in the region, such as the New York State Department of Environmental Conservation and Mid-Hudson Pattern. One semester long, the internship offers students the opportunity to gain practical, on-site experience at a planning, development, or environmental protection agency.

### **Majors in Geography**

**41-44 credits**

**Required Courses.....13 credits**

- 48252 Economic Geography (3)
- 48273 Basic Physical Geography (3)
- 48274 Environment and Culture (3)
- 48381 Cartography (4)

**Required Cognate Courses..... 7-8 credits**

- 64241 Introduction to Statistics (3)
- OR
- 80275 Psychological Statistics (4)

*AND*

*Either of the Following:*

- 15340 Ecology (4)
- OR

- 50220 Physical Geology (4)

**Electives.....21-23 credits**

Each major candidate is required to complete 7 elective courses in geography, at least 4 of which must be systematic courses.

*Systematic courses:*

- 48250 Maps & Graphics: Measures & Symbols (3)
- 48285 Geography of Hazards (3)
- 48382 Remote Sensing (4)
- 48383 Introduction to Geographic Information Systems (3)
- 48401 Geography of Cities and Suburbs (3)
- 48405 Political Geography (3)
- 48406 Natural Resources: Utilization and Management (3)

- 48480 Internship in Geography (\*)
- 48481 Internship Seminar (1)\*
- 48483 Geographic Information Systems Applications (3)

\* *The internship and co-requisite seminar may only be taken with the chair's permission and after the major has been completed or nearly so. Students may take 48480, Internship in Geography, for 3, 6 or 9 credits.*

*Regional courses:*

- 48240 World Geography (3)
- 48301 Geography of the United States and Canada (3)
- 48307 Understanding Latin America (3)

**Geography (Emphasis in Planning)**

**49-51 credits**

**Required Courses.....16 credits**

In addition to the four required courses listed for the regular geography major, students in this emphasis must take:

- 48401 Geography of Cities and Suburbs (3)

**Cognate Courses.....24-25 credits**

In addition to the four cognate courses listed for the regular geography major, students in this emphasis must take 3 of the following courses:

- 33304 Public Finance (4)
- 33422 Urban Economic Problems (3)
- 58304 Development of the American City (3)
- 77310 Public Management (3)
- 77316 American Public Policies (3)
- 87345 Cities and Suburbs (3)

**Electives..... 9-10 credits**

Three courses at the 300 or 400 level selected with advisement from the list of Systematic and Regional courses in geography.

In addition, although not required, students in the planning emphasis are encouraged to devote a semester to the Internship in Geography (48480) and the co-requisite Internship Seminar (48481), both of which may be taken after the major has been completed or nearly so.

**Minor in Geography**

**18 credits**

**Required Courses..... 9 credits**

- 48252 Economic Geography (3)
- 48273 Basic Physical Geography (3)
- 48274 Environment and Culture (3)

**Electives..... 9 credits**

Three geography courses at the 300 or 400 level selected with advisement.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirements.

## **History**

*Phone: (845) 257-3545*

*Location: Jacobson Faculty Tower Room 814*

*Web address: [www.newpaltz.edu/history](http://www.newpaltz.edu/history)*

The History Department offers courses that vary in scope from broad to specialized, that vary in teaching method from lecture to discussion, and that are offered at both undergraduate and graduate levels. Students who wish to major in history may develop considerable concentration in an area listed below. The department offers courses with a global or regional perspective. With the aid of advisors, students are encouraged to design curricula that are suitable to their own needs and interests in history and in complementary fields such as other social sciences, philosophy, literature, and art.

### **Senior Thesis with Honors in History**

Qualified students pursuing a liberal arts major in history may apply to research and write a senior thesis under the direction of a member of the department. Successful completion of the thesis will enable the student to graduate with honors in history, a distinction that will appear on the College transcript. Application must be made during the pre-registration of the last semester of the junior year. For further details, consult with the chair of the History Department.

Qualifications: Open to department liberal arts majors only; 3.00 cumulative average in all course work at the College; 3.50 average in history course work; a minimum of 24 credits in history before acceptance.

### **Major in History**

**33 credits**

**Required Courses.....21 credits**

Each major is required to complete 6 credits in United States history; 6 credits in European history, 6 credits in non-Western history, and the seminar in history or its equivalent.

**Electives.....12 credits**

Each major is required to complete by advisement, 18 credits of electives in history.

Students must earn a grade of "C-" or better in courses used in the History major.

### **Minor in History**

**18 credits**

The History Department offers a minor program designed both to give students a substantial grasp of the discipline and to broaden the intellectual range associated with other major programs.

Four courses are required in one of the following areas (at least two of those courses must be at the 300 level or above):

- |                                |                                 |
|--------------------------------|---------------------------------|
| a. Ancient and Medieval Europe | d. Near East and Jewish History |
| b. United States               | e. Asia                         |
| c. Modern Europe Since 1500    | f. Women                        |

Two courses are required outside of one of the above areas and should be chosen with prior advisement.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Jewish Studies**

The Jewish Studies program enables students to take courses in a number of disciplines including history, international relations, language, religion, culture, and literature. An interdisciplinary minor is available to interested students. The minor requires 15 credits of approved courses. One year of a language (Hebrew or Yiddish) is recommended, but not required.

**Minor in Jewish Studies\***

**15 credits**

- 56101 Elementary Hebrew I (3)
- 56102 Elementary Hebrew II (3)
- 56205 Jewish Experience (3)
- 56401 Jewish Philosophy (3)
- 58369 Ancient Israel (3)
- 58370 Bible: Myth and History (3)
- 58371 Jews in the Middle Ages (3)
- 58373 The Holocaust (3)
- 58374 American Jewish Experience (3)
- 58375 Jerusalem of Three Faiths (3)
- 71270 Religions of the World (3)

*\*In addition to above courses, a variety of “special topic” courses are offered every year.*

**Journalism/Public Relations Program**

***Phone: (845) 257-3460***

***Location: Coykendall Science Building, Room 48***

***Web Address: [www.newpaltz.edu/comm\\_media](http://www.newpaltz.edu/comm_media)***

The Journalism major offers students practical training in how to gather and write news, as well as a theoretical understanding of how the news media operate in American society. The program focuses on developing skills that will prepare students for careers in newspapers, magazines, and public relations.

Students in news writing courses work in computer laboratories, writing stories under deadlines. In other classes they edit and design publications on state-of-the-art computers. All journalism

students are required to complete an internship. Many do so at the Legislative Gazette, a weekly newspaper in Albany. The Gazette, which has a full-time professional editor, readies students for the work force, where more than one-third of the nation's economy is now centered on the processing of information.

Students who declare a major in public relations take a combination of theoretical and practical courses in journalism, ethics, persuasion, media and advertising, as well as public relations. The major prepares public relations practitioners to become communication experts within corporate, non-profit and government organizations, and public relations agencies. Students learn how to write and design public relations materials and how to plan public relations campaigns and special events. Both oral and written communication skills are emphasized. An important component of the public relations major is learning how to conduct research.

Students who wish to concentrate in Journalism/Public Relations must have a 2.50 GPA to enter the program.

## **Journalism**

**43-46 credits**

**Required Courses.....28-31 credits**

- 53230 Journalism I (4)
- 53332 Journalism II (4)
- 53312 Copy Editing and Layout (3)
- 53313 Public Affairs Reporting (3)
- 53314 Feature Writing (4)
- 53453 Advanced Editing (4)
- 53461-3 Journalism Fieldwork (3 each) \*

*\* (It is suggested Journalism Majors do their fieldwork at the Legislative Gazette in Albany.)*

**Three of the following:.....9 credits**

- 53334 Literature of Journalism (3)
- 53347 Media Ethics (3)
- 53452 Mass Media Law (3)
- 53464 Press in America (3)

**Two of the following.....6 credits**

- 53393 Journalism Selected Topics (3)
- 53454 Muckraking Journalism (3)
- 53465 Newspaper Organization and Management (3)
- 53468 Photojournalism I (3)
- 53469 Photojournalism II (3)
- Ottaway Seminar (3)

## **Journalism Minor**

**20 credits**

**Required Courses.....17 credits**

- 53230 Journalism I (4)
- One of the following:*
- 53332 Journalism II (4)
- 53312 Copy Editing and Layout (3)
- 53313 Public Affairs Reporting (3)
- 53314 Feature Writing (4)

*Two of the following:*

- 53334 The Literature of Journalism (3)
- 53347 Media Ethics (3)
- 53452 Mass Media Law (3)
- 53464 The Press in America (3)

**One of the following..... 3 credits**

- 53461 Fieldwork in Journalism I (3)
- 53462 Fieldwork in Journalism II (3)
- 53463 Fieldwork in Journalism III (3)

## **Public Relations**

**40-41 credits**

**Required Lower Division Courses.....10 credits**

- 53230 Journalism I (4)
- 90101 Media and Society (3)
- 90221 Introduction to Advertising (3)

**Required Upper Division Courses.....22-23 credits**

- 53315 Public Relations I (3)
- 53316 Public Relations II (3)
- 53317 Public Relations Publishing (3)
- 53347 Media Ethics (3)
- 90353 Theories of Persuasion (4)
- 90360 Organizational Communication I (3)

*One of the following:*

- 53314 Feature Writing (4)
- 53332 Journalism II (4)
- 90319 Electronic Media Writing (3)

**Electives..... 9 credits**

- 20325 Marketing (3)
- 53464 The Press in America (3)
- 90104 Public Speaking (3)
- 90323 Communication Technology (3)
- 90350 Media Research Methods (4)
- 90354 Communication Research Methods (4)
- 90431 Advertising Sales (3)
- 90432 Television in American Culture (3)

## **Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

## **Latin American Studies**

**Phone: (845) 257-3542**

**Location: Jacobson Faculty Tower, Room 916**

**Web Address: [www.newpaltz.edu/las](http://www.newpaltz.edu/las)**

The Latin American Studies program is an interdisciplinary program of academic work designed to give students a broad understanding of Latin American societies, literature, arts, history and languages. Since 1985 the program has offered a minor in Latin American Studies.

The Latin American Studies program is coordinated by the Latin American Studies Committee, composed of faculty members in several disciplines who teach courses about Latin America and provide academic advising to students taking courses in the program. The Committee seeks to maintain high academic standards in the program by reviewing the progress of students and approving appropriate courses for credit toward student's programs.

Recent assessments of future employment trends indicate that over 6,000 employees with expertise in Latin America will be needed by government and business employers in the coming decade.

### **Major in Latin American Studies**

**30-48 credits**

**Required Courses..... 6 credits**

61270 Introduction to Latin American Studies (3)

61495 Independent Study (Senior Project) (3)

**Content Courses on Latin America.....24 credits**

A total of 24 credits, distributed as indicated below. The 24 credits must be taken from at least three different departments.

#### ***Group A: History and Social Science Perspectives (at least 9 credits)***

07304 Ancient Mesoamerica (3)

17231 Development of Afro-Latin American Civilizations (3)

17309 Introduction to Afro-Brazilian History (3)

17311 Blacks in the Caribbean, 1492-Present (3)

48307 Understanding Latin America (3)

77371 Latin American Politics (3)

Or other appropriate courses with significant Latin American content in history or social sciences, under advisement; for example, appropriate Selected Topics courses (XX393, XX493, XX593).

#### ***Group B: Literature and the Arts (at least 6 credits)***

89372 Culture of Latin America I (4)

89376 Survey of Latin American Literature (4)

89471 Spanish American Novel (3)

89473 Modern Latin American Drama (3)

Or other appropriate courses with Latin American content in literature, music, art, or related subjects, under advisement, for example appropriate Selected Topics courses (XX393, XX493, XX593).

**Language Requirements..... 0-18 credits**

89101 Elementary Spanish I (3)

89102 Elementary Spanish II (3)

89201 Intermediate Spanish I (3)

89202 Intermediate Spanish II (4)

*AND IN ADDITION TO ABOVE, AT LEAST ONE OF THESE:*

89301 Spanish Composition and Conversation I (4)

*AND/OR*

89361 Spanish Composition and Conversation II (4)



### **Minor in Latin American Studies**

**18 credits**

Each candidate is expected to complete 6 courses in at least 3 different areas for a total of 18 credits. Courses taken for a major cannot be applied to the minor in Latin American Studies. Knowledge of Spanish or Portuguese is desirable but is not a requirement for the minor.

### **Liberal Arts Designation:**

All above courses count toward the liberal arts requirement.

### **Law and Related Legal Studies**

The Law and Related Legal Studies program at New Paltz provides students interested in law with two ways to structure their courses in this field. Students may either (1) declare a major in Political Science, with a concentration in Law, or (2) students may declare a minor in Law and Politics, offered in the Department of Political Science and International Relations. The Law concentration within the Political Science major requires 12 credits of upper-division, law-related courses offered in the department. The Law and Politics minor is an 18 credit, interdisciplinary program, with law-related courses from such departments as Political Science, International Relations, Philosophy, Journalism, Business, Sociology and Black Studies. For further information on both of these programs, see the chair of the Department of Political Science and International Relations (JFT 806), the pre-law advisor (JFT 808), as well as program and course descriptions elsewhere in this catalog.

### **Linguistics**

*Phone: (845) 257-2760*

*Location: Faculty Office Building West 2*

*Web address: [www.newpaltz.edu/blackstudies](http://www.newpaltz.edu/blackstudies)*

An interdepartmental minor program in linguistics is available to students interested in the scientific analysis and comparison of languages or in improving their theoretical understanding of language in connection with practical language study. Students who might be interested in a linguistics minor would usually major in a subject such as anthropology, communication, computer science, English, French, German, philosophy, psychology, or Spanish and any education curriculum. Completion of the linguistics minor adds strength to such majors.

For the minor in linguistics the student must take Linguistics 63201, Introduction to Linguistics; and, by advisement, fifteen credits in courses from among those listed under "Linguistics" each semester in the Schedule of Classes. Students will ordinarily be advised to take at least one course in syntax and one in phonetics. Students may utilize cognate courses in such areas as acoustics, or speech pathology to satisfy minor requirements. Students must complete at least twelve credits from outside their major department toward the linguistics minor.

**Minor in Linguistics**

**18 credits**

**Required Courses..... 9 credits**

63201 Introduction to Linguistics (3)

AND

*Any two of the following:*

41226 Practical Grammar (3)

63493 Selected Topics (3)

80402 Psychology of Language (3)

88260 Sign Language I (3)

88302 Phonetics (3)

90413 Sociolinguistics (3)

**Electives..... 9 credits**

*Any of the courses listed above or any of the following courses may be taken as electives. Twelve of the eighteen credits should be from courses outside the student's major department.*

17396 Black English: Language and Culture (3)

71336 Philosophy of Language (3)

88306 Language Development in Children (3)

88310 Anatomy & Physiology of the Speech and Hearing Mechanism (4)

88361 Sign Language II (3)

88462 Sign Language III (3)

90355 Non-verbal Communication (3)

90359 Communication Among Culture (3)

90452 Communication and Gender (3)

Students wishing to declare and pursue the minor should contact the Director of the Linguistics Program for advisement.

**Native American Studies**

The interdepartmental, interfaculty minor in Native American studies is designed to promote cultural awareness of the unique heritage and significant contributions of the first Americans.

A minimum of 21 credits is required, to be selected from Native American courses listed below; up to 6 credits may be taken in courses listed under related areas below.

**Minor in Native American Studies**

**21 credits**

07303 Indians of North America (3)

07304 Ancient Mesoamerica (3)

07305 South American Indians (3)

07312 North American Archaeology (3)

07314 New York State Archaeology (3)

07434 Archaeological Field School (9)

11389 Art of Pre-Columbian America (3)

58308 Indians of New York State (3)

- 58309 Indians of the United States (3)
- 58310 Indians of the Eastern Woodlands (3)

### **Related Areas**

- 07315 Historical Archaeology (3)
- 33418 Economics of Development (3)
- 48301 Geography of the United States and Canada (3)
- 48307 Understanding Latin America (3)
- 48393 Geography Selected Topic (Land & People of Brazil) (3)
- 58303 The Empire State (3)
- 58321 Colonial America (3)
- 58393 History Selected Topic (Mexico) (3)
- 87220 Social Inequality in the United States (3)
- 87315 Race and Ethnicity (3)

## **Nursing**

***Phone: (845) 257-2922***

***Location: Wooster Science Building, Room 03F***

***Web address: [www.newpaltz.edu/nursing](http://www.newpaltz.edu/nursing)***

The upper-division baccalaureate program in nursing provides an opportunity for registered nurses who wish to change or expand their educational and/or career goals. The program confers an understanding of the human health-illness experience and the theoretical underpinnings needed for professional practice. It strives for a synthesis of learnings from the liberal arts and sciences with the discipline's body of knowledge. The practice of nursing is operationalized in this curriculum by the enactment of five interrelated roles: clinician, educator, leader, advocate and researcher from an appropriate theoretical perspective.

At the baccalaureate level, nursing education prepares professional nurse generalists who can deliver health care to individuals, families, communities, and societal groups. The program is designed to cultivate professional nursing practice and to provide nurses with a sound academic foundation for pursuing graduate study in nursing. At the graduate level, nursing education prepares professional nurses for advanced practice.

Faculty guide and collaborate with the adult learner for the attainment of educational goals through directed and self-directed learning experiences. They seek to expand in the learner the commitment for continued learning and contributions to professional practice. Selected clinical assignments afford the student the opportunity to deliver direct nursing care to clients in a variety of settings.

### **Acceptance into the Nursing Major**

Students seeking admission to the baccalaureate program in nursing for registered nurses must satisfy the following requirements:

1. Graduation from an accredited or a state-approved associate degree or diploma program in nursing.
  2. Current licensure as a registered nurse in New York State and professional liability coverage. (Applicants awaiting the results of the licensing examination, who meet all other admission requirements, may be offered provisional admission to the nursing major. Failure to achieve licensure by the end of the first semester will result in the student being limited to non-nursing courses until licensure is granted).
  3. Ability to meet both college and clinical agency health requirements.
  4. Three letters of reference from individuals who can attest to the applicant's potential for upper-division nursing education.
  5. Completion of the following lower-division prerequisite course work with a grade of "C" or better in each course:

English Composition	6 credits	Introductory Sociology	3 credits
General Psychology	3 credits	Developmental Psychology	3 credits
Elementary Statistics*	3 credits	General Chemistry	3-4 credits
Anatomy & Physiology	7-8 credits	Microbiology	3-4 credits
- \* *NOTE: Statistics is a prerequisite for senior year courses. It may be taken prior to entry into the program, but must be taken prior to entry into 70400, Research in Nursing.*
6. The National League for Nursing Mobility Profile II is used to validate 30 semester hours of lower division nursing credits. Students must achieve at the 40<sup>th</sup> percentile or above in all four sections of the exam within three tries. Students may be exempted from this test if they graduated from an NLN accredited associate degree program.

Effective Spring 2002, the following students are required to sit for the NLN Mobility Profile Exam:

- 1) ADN graduates from community colleges without NLN accreditation or articulation agreement/joint arrangement with the Department of Nursing at SUNY New Paltz.
- 2) Diploma graduates from a Hospital School of Nursing. Students must obtain scores no less than at the 40<sup>th</sup> percentile in all four tests of the Mobility Profile II Exam within three attempts prior to entry into the BSN clinical sequence, starting with 70320—Individual Health.

*NOTE: The following criteria must be met before entrance into the upper-division Nursing Clinical Sequence:*

- Official acceptance to the State University of New York at New Paltz as a matriculated student for the BSN degree. Contact the Office of Admissions (845) 257-3200 for information.
- Official acceptance into the Nursing Major. Contact the Department of Nursing (845) 257-2922 for information.
- Completed Departmental Health Form documenting immunization history, Rubella and Hepatitis B status, and annual physical examination by the student's health care provider (available for reviewing instructors).
- Verification of current liability insurance, annual training in blood borne pathogens and universal precaution, and current licensure as a registered nurse in New York State.
- If required, successful completion of all sections of the NLN Mobility Profile II exams.
- Successful completion of all lower-division prerequisite course work with the exception of Statistics that must be completed prior to enrollment in 70400, Research in Nursing.
- Successful completion of, or concurrent registration in, the following courses:

- 70300 Perspectives in Professional Socialization
- 70340 Contemporary Health Education Issues
- 70445 Pathophysiology

Registration in nursing courses is by instructor's permission and will generally not be open to non-majors.

**Major in Nursing**

**45 credits**

**Required Nursing Courses.....36 credits**

- 70300 Perspectives in Professional Socialization (2)
- 70310 Leadership & Management (3)
- 70315 Business Environment of Nursing (3)
- 70320 Professional Nursing Practice in Individual Health (4)
- 70340 Contemporary Health Education Issues (3)
- 70400 Research in Nursing (3)
- 70421 Professional Nursing Practice in Family Health (6)
- 70422 Professional Nursing Practice in Community Health (6)
- 70430 Professional Nursing Practice in Societal Health (6)
- 70443 Pharmacology
- 70445 Pathophysiology
- 07481 Transcultural Health (3)

**General Education Requirements**

Students graduating from the State University of New York at New Paltz must fulfill a liberal arts general education requirement. This requirement is designed to encourage students to develop an appreciation of the value of learning for its own sake and to pursue the broader goals of self-understanding and comprehension of their world. Nursing majors are allowed to waive certain requirements in General Education and to substitute specified nursing courses for certain General Education requirements. Students will be assigned a nursing advisor in the initial semester of matriculation for individualized program planning.

One hundred and twenty academic credits are required for graduation. All prerequisite and required upper-division course work must be successfully completed with a grade of "C" or higher for progression in the curriculum and graduation from the major.

**Liberal Arts Designation:**

The following courses may not be counted toward the liberal arts requirement: 70320, 70421, 70422, 70430.

**Philosophy**

*Phone: (845) 257-2980*

*Location: Jacobson Faculty Tower, Room 916*

*Web address: [www.newpaltz.edu/philosophy/](http://www.newpaltz.edu/philosophy/)*

The Department offers a major and a minor. Students should plan their programs in consultation with the department chair or another member of the Philosophy faculty as soon as they decide to major or minor in philosophy. Philosophy students are urged to complete a minimum of 15 credits in a foreign language, and to gain as broad an education in other subject areas as possible.

### **Major in Philosophy**

**36 credits**

**Required Courses.....21 credits**

- 71201 Symbolic Logic (3)
- 71304 Ethics (3)
- 71211 Ancient Greek Philosophy (3)
- 71312 Modern Philosophy (3)
- 71471 Theory of Knowledge (3)
- 71474 Metaphysics (3)
- 71490 Philosophy Proseminar (3)

**Electives.....15 credits**

### **Minor in Philosophy**

**18 credits**

18 credits in philosophy, 9 of which must be in upper-division courses.

### **Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

## **Political Science and International Relations**

*Phone: (845) 257-3540*

*Location: Jacobson Faculty Tower Room 814*

*Web address: [www.newpaltz.edu/polisci\\_intrela](http://www.newpaltz.edu/polisci_intrela)*

The Political Science/International Relations program at New Paltz is designed to be both academically sound and responsive to student desires for practical experience and career preparation.

A wide range of courses is offered in American government, international relations, political theory, comparative politics, law and law-related fields. In addition to the regular offerings, a number of "topics" courses may be given to serve student and community interest in current domestic and international issues.

An innovative aspect of the program is a full semester internship in the New York State Legislature.

In the Albany semester internship, offered in the spring semester during the legislature session, students are placed in the office of a State Senator or Assemblyman or advocacy organizations where they work full time while attending a seminar directed by a professor of the Political Science faculty. This 15-credit program, widely recognized as one of the best of its type in the state, allows New Paltz undergraduates to gain responsible experience in the real world of politics, experience

that serves them well in finding employment or gaining entry to graduate or professional school after the completion of their college work.

Another experience-based program is an internship in journalism and politics. This one-semester, 15-credit program publishes the Legislative Gazette, the official weekly newspaper of the State Legislature. Graduates of this program readily find jobs in journalism in the Hudson Valley.

Interest in pre-law training, in preparation for law school admissions, and advanced graduate work in law, legal process, and judicial behavior is met with an extensive range of courses within Political Science. A pre-law advisor works with students to prepare them for law school admission.

The undergraduate major in International Relations is one of the few of its kind in New York State, reflecting New Paltz's long history of concern with international issues. While taking courses in political science, history, economics, anthropology, and geography and black studies, students work with a diverse and highly qualified faculty, virtually all of whom have lived and worked overseas. The College's library holdings and other resource materials give students the opportunity to pursue study of a rich variety of topics and concerns.

International Relations and Political Science majors regularly take advantage of the College's location near New York City, a world center for international commerce and politics and the headquarters of United Nations. In 1997 the department re-established its United Nations semester course that combines classroom study with weekly trips to the UN.

A new concentration in Political Science is that in Political Economy. A recognized sub-field in political science, economics and sociology, the Political Economy concentration gives students an opportunity to study the relationship between governmental organization and policy on the one hand and the domestic and international economy on the other. Study of Political Economy will enable students to prepare for careers in government, public administration and the private economy.

### **Honors**

A departmental honors program allows the department to recognize student excellence. Student majors who maintain an average of B or better are eligible in their senior year for selection for the Honors Seminar (77402). Successful completion of this seminar may lead to a recommendation that the student be graduated with honors. In semesters in which the seminar is not offered, seniors may apply to do individual Honors Research (77491) that, again, could lead to a recommendation for departmental honors.

A chapter of Pi Sigma Alpha, the national political science honor society, was established in 1979 and charter members inducted in that year. Each year, outstanding eligible undergraduates at New Paltz are invited to join the society.

### **Majors in Political Science**

**36 credits**

**Required Courses.....18-19 credits**

77216 American Government and Politics (3)

77227 Introduction to International Politics (3)

- 77229 Introduction to Comparative Politics (3)
- 77300 Scope and Methods of Political Science (3)
- 77323 Modern Political Theory (4)
- OR
- 77327 Classics of Political Thought (3)
- 774XX Senior Seminar (3)

**Political Science Electives.....17-18 credits**

Majors are required to complete 17-18 credits of electives. Twelve credits are to come from courses in one of the following sub-fields: American government, political theory, comparative politics, international politics or law. The other five-six credits are to be in courses from the remaining four sub-fields. Only nine credits of internship may be applied to the major.

Students must earn a grade of C- or better in courses used for the Political Science major.

**International Relations**

**36 credits**

**Required Courses.....15 credits**

- 77227 Introduction to International Politics (3)
- 77404 Seminar in International Relations (3)

*One of the following:*

- 07214 Cultural Anthropology (3)
- 48274 Environment and Culture (3)

*One of the following in foreign policy:*

- 77366 Contemporary American Foreign Policy (3)
- 58469 U.S. Foreign Policy Since 1900 (3)

*One of the following in international economics:\**

- 33302 Comparative Economic Systems (3)
- 33401 International Trade and Finance (3)
- 33418 Economics of Developments (3)

*\* Or other international economics courses approved by the chair.*

**Elective Courses.....21 credits**

Fifteen credits by advisement, selected from among those courses accepted for credit in the International Relations major/minor program. No more than three credits are to be at the 200 level.

Six credits by advisement of courses concerned with a single world area selected from among those courses accepted for credit in the International Relations major/minor program.

Students must earn a grade of "C-" or better in courses used for the International Relations major.

**Minors in Political Science**

**18 credits**

**Required Course..... 3 credits**

- 77216 American Government and Politics (3)

**Electives.....15 credits**

A total of 15 credits in political science courses, of which at least 12 credits must be at the 300 level or above. Only 9 credits of internship or fieldwork may be applied to the minor.

Students must earn a grade of C- or better in courses used for the Political Science minor.



**Minor in International Relations**

**18 credits**

**Required Courses..... 9 credits**

77227 Introduction to International Politics (3)

*One of the following:*

07214 Cultural Anthropology (3)

48274 Environment and Culture (3)

*One of the following:*

77366 Contemporary American Foreign Policy (3)

58469 U.S. Foreign Policy Since 1900 (3)

**Elective Courses..... 9 credits**

By advisement selected from among those courses accepted for credit in the International Relations major/minor program. No more than three credits can be at the 200 level.

Students must earn a grade of C- or better in courses used for the International Relations minor.

**Minor in Law and Politics**

**18 credits**

Designed to introduce the student to the nature and significance of law in Western society.

Required and elective courses examine (a) the role of law in America, (b) the history, organization, and dynamics of legal institutions, (c) the relationship of law to contemporary social questions, (d) legal principles governing business, commerce, and labor, and (e) law in the contemporary international system.

**Required Courses..... 9 credits**

77350 Introduction to Law (3)

77317 Courts and Judges (3)

*One of the following courses:*

77351 Constitutional Law: National Government (3)

77352 Constitutional Law: Civil Liberties (3)

**Electives..... 9 credits**

*Three of the following courses:*

07507 Anthropology and Law (3)

17435 Blacks and American Law (3)

20271 Business Law I (3)\*

20272 Business Law II (3)\*

71375 Philosophy of Law (3)

77351 Constitutional Law: National Government (3)\*\*

77352 Constitutional Law: Civil Liberties (3)\*\*

77416 Administrative Law (3)

77417 Judicial Process (3)

77443 Sex Discrimination and the Law (3)

77444 Legal Theory and Ideology (3)

77453 International Law (3)

Up to three credits of a law-related internship taken under 77480. Any law-related course numbered 293, 393, or 493, by prior approval of the chair of the department of political science.

Students must earn a grade of C- or better in courses used for the Law and Politics minor.

\* A maximum of three credits of Business Law may be credited toward the minor.

\*\* The Constitutional Law course not taken as a required course may be taken as an elective.

### **Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

## **Pre-Health Professional Programs**

### **Pre-Medical, Pre-Dental and Pre-Veterinary Medical Programs**

The State University of New York at New Paltz offers courses required for students planning careers in medicine, dentistry or veterinary medicine. These same requirements will also provide the needed courses for post-graduate training in osteopathic medicine (see Cooperative Program in Osteopathic Medicine with New York College of Osteopathic Medicine), Podiatry, Physician Assistant, Optometry (see Cooperative Program in Optometry with SUNY College of Optometry), Physical Therapy and Chiropractic. All of these post-graduate health programs require completion of an undergraduate major in any discipline plus the following two-semester laboratory courses: General Biology; General Chemistry; Organic Chemistry; Physics. In addition to these curriculum requirements, most of these post-graduate health science programs require that students pass a national normative examination such as the MCAT. These pre-health profession programs are open to any student; there is no separate admission. Since these programs are lengthy it is advisable to contact the Pre-Health Professions Advisor, (845) 257-3770, as soon as possible after a decision to attend SUNY at New Paltz has been made.

In addition to these pre-health programs, SUNY at New Paltz has established cooperative programs with New York College of Osteopathic Medicine and SUNY College of Optometry that require special applications.

### **Cooperative 3/4 B.A.(B.S.)/D.O. program with New York College of Osteopathic Medicine (NYCOM)**

The program requires admission both to SUNY at New Paltz and NYCOM. Students accepted into the program are assured admission to the New York College of Osteopathic Medicine provided that they maintain a minimum 3.30 grade point average and provide adequate scores on the Medical College Admission Test (MCAT). Students must also complete the regular pre-medical science courses within the first two years. Matriculation at NYCOM will occur in the fourth post-high school year. Students in the program will receive their B.A. or B.S. after one year in medical school and their D.O. after completing the normal 4-year medical school curriculum. The regular pre-medical course requirements, in addition to major program requirements, GE requirements, and Freshman English, include two semesters each of General Biology, General Chemistry, Organic Chemistry, Calculus and Physics as well as a course in statistics. The program is designed for students entering SUNY New Paltz from high school. However, transfer into the program within the freshman year is possible if openings exist and applicants meet the initial continuing requirements.

**Cooperative 3/4 B.A.(B.S.)/O.D. program with SUNY College of Optometry (SUNYCO)**

The program requires admission both to SUNY at New Paltz and SUNYCO. Students accepted into the program will be admitted to SUNY College of Optometry after completion of a normal 3-year program with a major in Biology provided they maintain a 3.20 grade point average (B); pass the national Optometry Admission Test (OAT); and pass General Psychology and Statistics as undergraduates.

**2/3 Articulation Program with SUNY Upstate Health Science Center, Syracuse, Physical Therapy Program**

SUNY at New Paltz has established a Pre-Physical Therapy program with SUNY Upstate Health Science Center in Syracuse. The program requires two years of undergraduate study at SUNY New Paltz including: 2 semesters each of General Biology, General Chemistry, and either General Physics (calculus co-requisite) or Fundamental Physics, plus 1 semester each of General Psychology, Psychology of Infants and Children, and a Psychology elective course. Volunteer or work experience with a licensed Physical Therapist is also required. Students who complete the Pre-Physical Therapy program in their second year can apply to SUNY Upstate Health Science Center during their third semester at SUNY New Paltz. This transfer application is competitive. Maintenance of a very high grade point average in the required lower-division courses at SUNY New Paltz will be necessary. Students who complete the Pre-Physical Therapy program can also apply to other Physical Therapy programs throughout the United States.

For further information on any of these Pre-Health Professional Programs, contact the Pre-Health Professions Advisor at (845) 257-3770. For the special application materials for the cooperative programs with NYCOM or with SUNYCO, contact the Admissions Office, (845) 257-3200.

## **Psychology**

***Phone: (845) 257-3470***

***Location: Jacobson Faculty Tower Room 314***

***Web address: [www.newpaltz.edu/psychology](http://www.newpaltz.edu/psychology)***

The psychology program at New Paltz has been designed to reflect the varying needs and interests of undergraduate psychology majors. Since psychology is an empirically based science, it is desirable for psychology majors to have the skills to both interpret and generate new information. To that end, courses in statistics and research methodology are required (category I). The remaining courses for completion of a major in psychology are drawn from three categories, with a minimum of two courses from the second and third categories. The category II includes courses from the clinical-child-social areas of psychology, while the category III encompasses the general-experimental areas. The category IV contains more specialized courses. This flexibility has been built into the program so that students can pursue a line of study that reflects their interests and vocational goals. The interests of students generally fall into one of three categories: (1) those who want a general background in psychology, but don't intend to seek employment in the field of psychology; (2) those who want to apply some principles and techniques of psychology in an

employment situation; and (3) those who want to pursue a career in psychology with a graduate degree. Students majoring in psychology are advised to acquire a broad range of training in the Liberal Arts. Elective courses in anthropology, biology, computer science, history, philosophy, political science, and sociology are strongly recommended.

Students must have a 2.50 cumulative grade point average to declare a major in Psychology. Students must also have completed General Psychology.

### **Majors**

In order to meet the varied needs and interests of our many majors, there are two options for completing the major requirements. Both options are equivalent in terms of course credits, lab experiences, and writing-intensive requirements. Students are encouraged to consult with their advisors in deciding which option is best for them.

## **Psychology**

**32 credits**

### **Category I**

**Required Courses.....11 credits**

80272 General Psychology (3)

80275 Psychological Statistics (4)

*Choose one of the following options:*

A) 80301 Experimental Psychology (4)\*

OR

B)\*\* 80311 Research Methods (3)

80312 Research Methods Lab (1)

\* *Writing Intensive.*

\*\* *Students choosing Option IB (Research Methods plus lab) are required to take a Senior Seminar as one of these three courses to meet the writing intensive requirement in psychology.*

### **Category II**

*Choose two of the following:*

80273 Psychology of Adjustment (3)

80304 Industrial Psychology (3)

80306 Social Psychology (3)

80343 Psychology of Infancy and Childhood(3)

80344 Psychology of Adolescence and Adulthood (3)

80412 Abnormal Psychology (3)

80440 Personality and Psychotherapy (3)

80458 Introduction to Psychological Testing (3)

### **Category III**

*Choose two of the following:*

80302 History and Systems of Psychology (3)

80303 Introduction to Psychology of Learning (3)

80305 Psychology of Perception (3)

80308 Psychology of Motivation (3)

80310 Psychology of Memory and Thinking (3)

- 80402 Psychology of Language (3)
- 80436 Physiological Psychology (3)

*Choose three additional courses to be selected from among the courses listed above or from the following:*

**Category IV**

- 80315 Basics of Organizational Psychology (3)
- 80318 Group Behavior (3)
- 80320 Behavior Modification(3)
- 80330 Crisis Intervention (3)
- 80350 Psychology of Women (3)
- 80380 Practicum with Emotionally Disturbed Children (6)\*
- 80403 Health Psychology (3)
- 80433 Psychoanalysis, Behaviorism, and Humanism (3)
- 80438 Clinical Psychology (3)
- 80442 Psychology of Social Problems (3)
- 80493 Selected Topics (3)
- 80494 Fieldwork in Psychology (3)
- 80495 Independent Study (3)
- 80498 Senior Seminar (3)\*\*

\* Only three credits can be applied to the major.

\*\* Writing Intensive.

**Psychology Concentration in Psychobiology**

**55-66 credits**

Many graduate programs in psychology regard a broad undergraduate background in natural, physical, and social sciences as the best preparation for graduate study. For those students interested in pursuing graduate training in physiological psychology, psychobiology, or animal behavior, or in preparing for professional school while combining an interest in these areas, a concentration in psychobiology is available.

**Required Psychology Courses.....32 credits**

*Completion of Major in Psychology with at least 3 of the following:*

- 80303 Introduction to Psychology of Learning (3)
- 80305 Psychology of Perception (3)
- 80308 Psychology of Motivation (3)
- 80343 Psychology of Infancy and Childhood (3)
- 80436 Physiological Psychology (3)
- 80493 Selected topics (3) (In consultation with psychobiology advisor)

**Required Biology Courses.....11-16 credits**

- 15205 General Biology I (4)
- 15206 General Biology II (4)
- 15210 Introductory Biology (4)  
(May substitute for General Biology I and II)
- 15320 Genetics (4)
- 154XX (400-level course to be selected in consultation with psychobiology advisor) (3-4)

**Required Research..... 3-6 credits**

*A total of 3-6 credits chosen from the following:*

- 80495 Independent Study in Psychology (2-4)

80558 Seminar in Contemporary Research (3)

15490 Senior Seminar in Biology (3)

**Electives..... 9-12 credits**

A total of 9-12 credits in anthropology, biology, chemistry or physics chosen by advisement.

## **Psychology**

### **Concentration in Industrial and Organizational Psychology      53-56 credits**

#### **Category I**

**Required Psychology Courses.....32-35 credits**

*All of the following:*

80272 General Psychology (3)

80275 Psychological Statistics (4)

80302 History and Systems of Psychology (3)

80304 Industrial Psychology (3)

80315 Basics of Organizational Psychology (3)

80458 Introduction to Psychological Testing (3)

80495 Independent Study (1-3)\*

*Choose one of the following options(4-7 credits):*

#### **Option A**

80301 Experimental Psychology (4)

#### **Option B**

80311 Research Methods (3)

*AND*

80312 Research Methods Lab (1)

*PLUS*

80498 Senior Seminar (3)\*\*

*Two of the following (6 credits):*

80303 Introduction to the Psychology of Learning (3)

80306 Social Psychology (3)

80308 Psychology of Motivation (3)

80310 Psychology of Memory and Thinking (3)

#### **Category II**

**Other Required Courses.....12 credits**

*One of the following (Philosophy):*

71110 Reason and Argument (3)

71201 Logic (3)

*Three of the following (Business Administration):*

20250 Principles of Management (3)

20312 Operations Management (3)\*\*\*

20322 Organization Theory (3)

20325 Marketing (3)

20326 Consumer Behavior (3)\*\*\*\*

20345 Human Resources Management (3)

20355 Motivation and Work Behavior (3)\*\*\*\*\*

### Category III

Electives..... 9 credits

A total of 9 credits, which may be courses taken from Category I or II beyond the requirement, or other relevant courses taken by advisement.

\* Students must complete a total of three credits of independent study (in any combination).

\*\* Students choosing Option B must take Senior Seminar to meet the writing intensive requirement in psychology.

\*\*\* Prerequisite: C- or better in 20309 (Statistics for Business and Economics I).

\*\*\*\* Prerequisite: C- or better in 20325 (Marketing).

\*\*\*\*\* Prerequisite: C- or better in 20250 (Principles of Management).

### Minors in Psychology

18 credits

Required Courses..... 9 credits

80272 General Psychology (3)

One course selected from Category II (3)

One course selected from Category III (3)

Elective Courses..... 9 credits

### Psychology Industrial and Organizational Psychology

18 credits

Required Courses..... 9 credits

80272 General Psychology (3)

80304 Industrial Psychology (3)

80315 Basics of Organizational Psychology (3)\*

Required Elective Courses in Psychology..... 9 credits

Select three of the following:

80275 Psychological Statistics (4)

80301 Experimental Psychology (4)\*\*

80302 History and Systems of Psychology (3)

80303 Introduction to Psychology of Learning (3)

80306 Social Psychology (3)

80308 Psychology of Motivation (3)

80310 Psychology of Memory and Thinking (3)

80311 Research Methods (3)

80320 Behavior Modification (3)

80458 Psychological Testing (3)

80493 Selected Topics in Psychology (3)\*\*\*

80498 Senior Seminar (3)\*\*\*

\* Students cannot receive credit for both Organizational Behavior (20321) and Basics of Organizational Psychology (80315). Students who have received credit for Organizational Behavior (20321) must substitute an additional elective course under advisement.

\*\* Students cannot receive credit toward the minor for both Experimental Psychology (80301) and Research Methods (80311).

\*\*\* By advisement.

### Liberal Arts Designation:

All courses count toward the liberal arts requirement.

## **Religious Studies**

**Phone: (845) 257-2621**

**Location: Jacobson Faculty Tower Room 916**

**Web address: [www.newpaltz.edu/religiousstudies](http://www.newpaltz.edu/religiousstudies)**

The interdisciplinary minor in religious studies gives students the opportunity to engage in the study of religion from the perspective of a number of different disciplines, including anthropology, philosophy, history, literature and sociology. Religions of the World is an introductory survey of the principal world religions. Courses in Group I concern religion in general, while those in Group II examine particular religious traditions, texts, practices, and other phenomena.

The coordinator may in individual cases allow credit for appropriate cognate courses or independent study.

### **Minor in Religious Studies**

**18 credits**

**Required Course..... 3 credits**

71270 Religions of the World (3)

**Two of the Courses in Group I..... 6 credits**

#### **Group I**

07403 Religion and Culture (3)

71320 God, World and Soul (3)

71321 Religion, Ethics and Society (3)

87304 Sociology of Religion (3)

**Electives..... 9 credits**

These may be selected from Group I (above), Group II, or from selected topics courses which are listed in the Religious Studies section of the Schedule of Classes.

#### **Group II**

07461 Seminar in Magic, Witchcraft and Sorcery (3)

11340 The Arts of Early China (3)

11342 The Arts of Japan (3)

11360 Arts of Asia I: The Formative Periods (3)

11362 Northern European Painting from Van Eyck to Bruegel (3)

11363 Early Medieval Art (3)

11364 Later Medieval Art: Gothic (3)

11381 Arts of Asia II: The Continuing Tradition (3)

11387 Art of the Islamic World (3)

11410 Art of the Byzantine Empire (3)

41355 The Bible (3)

56401 Jewish Philosophy (3)

58205 The Jewish Experience (3)

58207 Medieval Europe (4)

58243 History of the Middle East Since 570 (3)



- 58313 Women in Medieval Europe (3)
- 58349 Renaissance and Reformation (3)
- 58369 Ancient Israel (3)
- 58370 Bible: Myth and History (3)
- 58371 Jews in the Middle Ages (3)
- 58382 Roman Catholics in the United States (3)
- 58383 Religion in the United States (3)
- 71213 Medieval and Renaissance Philosophy (3)
- 71251 Indian Philosophy (3)
- 71252 Chinese and Japanese Philosophy (3)
- 77336 Middle Eastern Politics and Institutions (3)

**Sociology**

*Phone: (845) 257-3505*

*Fax: (845) 257-2970*

*Location: Jacobson Faculty Tower Room 516*

*Web address: [www.newpaltz.edu/sociology](http://www.newpaltz.edu/sociology)*

The following programs and concentrations focus on the analysis of human beings and their relationship to society. Sociology explores a range of social phenomena from individual interactions to broad social and cultural forces in the United States and throughout the world. Students will be educated in the methods of sociological research and will gain an understanding of the underlying theoretical perspectives utilized in the discipline. The Sociology Department offers a variety of courses in the following areas: Social welfare, social inequality, social change, social institutions and socialization through the life course.

**Majors in Sociology**

**33 credits**

**Required Courses.....15 credits**

- 87100 Introduction to Sociology (3)
- 87220 Social Inequality (3)
- 87303 Sociological Theory (3)
- 87306 Research Methods (3)
- 87307 Social Statistics (3)

**Electives.....18 credits**

Each major candidate is expected to complete, by advisement, 6 additional courses in sociology. A student also may apply to the major a total of 3 independent study credits.

**Sociology Concentration in Human Services**

**59-60 credits**

The Concentration in Human Services is a comprehensive educational program that prepares students to work in human services. Graduates work with children, youth and adults who are disadvantaged and/or have special needs. They work in e.g., children’s homes, criminal justice agencies, runaway and domestic violence shelters, day treatment centers, and community residences. Graduates can also work in preventative settings. Many graduates have gone on to graduate schools

in fields such as social work, special education, guidance counseling and humanistic education. Some of the main features of the Concentration in Human Services are three supervised field education internships, staying together as a group throughout the educational process, and an emphasis on arts and recreation.

Students interested in the Concentration in Human Services must take Introduction to Human Services (87350) prior to or as a co-requisite to Human Services I (87443) and Field Education I (87480), which are both offered in the spring semester of their junior year.

**Required Courses.....15 credits**

- 87100 Introduction to Sociology (3)
- 87220 Social Inequality (3)
- 87303 Sociological Theory (3)
- 87306 Research Methods (3)
- 87350 Introduction to Human Services (3)

**Electives.....12 credits**

Each major candidate must complete, by advisement, 4 additional courses in sociology.

**Concentration Core..... 9 credits**

Each major candidate must complete 3 courses in Human Services Practice, taken consecutively.

**Field Work..... 9 credits**

Each major candidate must complete 3 courses in field education, taken in conjunction with the three courses in Human Services Practice.

**Cognates..... 9 credits**

Each major candidate must complete, by advisement, 3 courses in disciplines other than sociology that relate to the theory and practice of human services work.

**Art and Recreation Skills.....5-6 credits**

Each major candidate must complete, by advisement, 2 courses in art and recreational skills.

**Sociology Concentration in Criminology 42 credits**

A program designed for students with a special interest in crime related issues or who plan to pursue a career within the criminal justice system.

**Required Courses.....21 credits**

- 87100 Introduction to Sociology (3)
- 87220 Social Inequality (3)
- 87250 Crime and Society (3)
- 87303 Sociological Theory (3)
- 87306 Research Methods (3)
- 87307 Social Statistics (3)
- 87332 Criminology (3)

**Electives.....15 credits**

Students must take 6 credits of criminology electives and 9 credits of electives within sociology (87 prefix), which are not included among the criminology electives.

**Criminology Electives:**

- 87305 Juvenile Delinquency (3)
- 87333 Deviant Behavior (3)
- 87376 Social Problems (3)

- 87409 Law and Social Issues (3)
- 87425 Drugs in American Society (3)
- 87432 Social Policy (3)
- 87452 Seminar in Criminal Behavior (3)

**Cognates..... 6 credits**

Students are required to take 6 credits of classes in disciplines other than sociology that relate to crime or the criminal justice system. A list of allowable cognates is available in the Sociology Department.

**Minors in Sociology**

**18 credits**

**Required Courses..... 9 credits**

*Three of the following:*

- 87100 Introduction to Sociology (3)
- 87220 Social Inequality (3)
- 87303 Sociological Theory (3)
- 87306 Research Methods (3)

**Electives..... 9 credits**

Three additional courses within the Department of Sociology.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Urban Studies**

An interdisciplinary minor in urban studies is available to students interested in advanced work in urban, regional, or community planning; to students seeking teacher certification who expect to enter an urban area; and to liberal arts students who wish to add an urban affairs emphasis to their academic major.

The minor program seeks, through careful advising, to integrate the work of the various academic disciplines into a broad approach to the nature of urban life. The program is of particular interest to students majoring in anthropology, Black studies, economics, English, geography, geology, history, political science, psychology, sociology, or Spanish. Each faculty member involved is also available to advise students interested only in specific courses to strengthen their competence in a given area, such as economics, geography, or education.

Students interested in urban planning may also be interested in the major in geography with emphasis in planning. See the listing under "Geography".

**Minor in Urban Studies**

**18 credits**

Each candidate for a minor in Urban Studies must complete 18 credits selected from among the

following courses. At least 12 credits must be taken in core courses outside the student's major department. The remainder may be taken from core courses or supplementary courses listed below.

**Core Courses.....12-18 credits**

- 07510 Urban Anthropology (3)
- 17350 Contemporary Social Issues in the Black Community (3)
- 33422 Urban Economic Problems (3)
- 48526 Urban Planning (3)
- 58304 Development of the American City (3)
- 77301 State Politics (3)
- 77318 Local Politics (3)
- 87345 Cities and Suburbs (3)

**Supplementary Courses..... 0-6 credits**

- 17202 Black History II (3)
- 17355 The Black Family (3)
- 17370 Education in the Black Community (3)
- 48382 Air-Photo Interpretation and Remote Sensing (5)
- 48560 Problems of Population (3)
- 58302 American Immigration (3)
- 58328 American Social and Cultural History: 1877-Present (3)

## **Women's Studies**

***Phone: (845) 257-2975***

***Location: Southside House***

***Web address: [www.newpaltz.edu/wmnstudies](http://www.newpaltz.edu/wmnstudies)***

Women's Studies is an interdisciplinary academic program offering a Bachelor of Arts degree, a liberal arts and sciences minor, and a Women's Studies/Elementary Education major. The foundation of the program is the study of women, past and present, in various fields of inquiry. The courses examine the presuppositions of academic disciplines from a feminist, multicultural perspective. They explore aspects of women's social, cultural and political experience in the United States and throughout the world. Some courses are offered through Women's Studies, and others are offered through other college departments. An interdisciplinary course, "Women: Images and Realities" provides the introduction to the program. The Practicum in Women's Studies offers students an opportunity to work in organizations concerned with women's issues. In the senior seminar students do an in-depth research project in a topic of their choosing.

The Women's Studies program supports a variety of campus activities. It often presents lectures and films in conjunction with other organizations and hosts an annual conference about current issues affecting women. A colloquium series provides a forum for students and faculty to discuss their research in Women's Studies. Because the Women's Studies Program at SUNY New Paltz is committed to improving the position of women on the campus and in the community, the

program concerns itself with discrimination against women students and faculty, with affirmative action, and with the general expansion of campus services for women.

### **Majors in Women's Studies**

**34 credits**

**Required Courses.....19 credits**

- 94220 Women: Images and Realities (4)
- 94420 Practicum in Women's Studies (3)
- 94490 Seminar in Women's Studies (3)

#### **“Women in History and Society”**

*One of the following:*

- 17221 The Black Woman (3)\*
- 94311 Women and Work (3)
- 94316 History of Women in the United States to 1880 (3)
- 94317 History of Women in the United States from 1880 (3)

#### **“Women as Individuals in Society”**

*One of the following:*

- 38351 Education of Self (3)
- 41230 Women in Literature (3)
- 80350 Psychology of Women (3)

#### **“Theoretical Perspectives”**

*One of the following:*

- 07421 Gender and Anthropology (3)\*
- 94393 Women’s Studies Selected Topics (3)
- 94423 Feminism in the United States (3)

### **Option I or Option II.....15 credits**

For each Option, students must take at least one course designated "Gender Across Cultures", indicated with an asterisk. (These may include some selected topics courses also.)

#### **Option I**

(Single Major in Women's Studies) Three courses (9 credits) from one of the following fields of emphasis (courses counted toward the required courses, above, may not also be counted toward the field of emphasis).

### **Literature, Communication Arts, Visual Arts & Theatre**

#### **Undergraduate Courses**

- 41230 Women in Literature (3)
- 41231 American Women Writers of the 20<sup>th</sup> Century (3)
- 41471 Gender and Literature (3)
- 41493 Women’s Studies Selected Topics (Women Writers of the 18<sup>th</sup> Century) (3)
- 52319 Women in German Literature and Film (3)\*
- 90356 Communication and Dissenting Voices (3)

- 90452 Communication and Gender (3)
- 94393 Women's Studies Selected Topics (3)

Graduate Courses

- 41513 Female Heroes of Literature: Nineteenth Century (3)
- 41514 Female Heroes of Fiction: Twentieth Century (3)

**Theoretical Perspectives**

Undergraduate Courses

- 07421 Gender and Anthropology (3)\*
- 87360 Sociology of Women (3)
- 94423 Feminism in the United States (3)

Graduate Courses

- 38581 Racism and Sexism in Education (3)\*
- 87533 Women in Society (3)

**Human Services and Social Change**

Undergraduate Courses

- 17221 The Black Woman (3)\*
- 38351 Education of Self (3)
- 77356 Sex Discrimination and the Law (3)
- 80350 Psychology of Women (3)
- 87360 Sociology of Women (3)
- 94311 Women and Work (3)
- 94314 Violence Against Women (3)
- 94315 Women with Women (3)
- 94423 Feminism in the United States (3)
- 94415 Women and Health (3)

Graduate Course

- 38581 Racism and Sexism in Education (3)

**History, Politics and Work**

- 17221 The Black Woman (3)\*
- 58305 Women In European History (3)
- 58313 Women in Medieval Europe(3)
- 58480 Women in China (3)
- 77356 Sex Discrimination and the Law (3)
- 94311 Women and Work (3)
- 94316 History of Women in the United States to 1880 (3)
- 94317 History of Women in the United States from 1880 (3)

**Electives..... 6 credits**

Each candidate under option I must complete two additional courses (6 credits) under advisement.

**Option II**

(Double major in Women's Studies and another discipline.) Five Women's Studies courses must be chosen to complement the student's other major. Because careful planning is required, the student should select a Women's Studies advisor before planning the program of study.

In either option, at least one half of the courses taken for the Women's Studies major must be upper-division courses.

**Minor in Women's Studies**

**19 credits**

**Required Courses.....13 credits**

94220 Women: Images and Realities (4)

**“Women and Society”**

*One of the following:*

**Undergraduate Courses**

- 07421 Gender and Anthropology (3)
- 17221 The Black Woman (3)
- 94316 History of Women in the United States to 1880 (3)
- 94317 History of Women in the United States from 1880 (3)
- 77356 Sex Discrimination and the Law (3)
- 87360 Sociology of Women (3)
- 94311 Women and Work (3)
- 94314 Violence Against Women (3)
- 94315 Women with Women (3)

**Graduate Course**

38581 Racism and Sexism in Education (3)

**“Women as Individuals”**

*One of the following:*

- 38351 Education of Self (Women) (3)
- 80350 Psychology of Women (3)

**“Theoretical Perspectives”**

*One of the following:*

- 07421 Gender and Anthropology (3)
- 77356 Sex Discrimination and the Law (3)
- 94423 Feminism in the United States (3)

Under advisement, certain selected topics courses may be substituted for courses in the above three groups.

**Electives..... 6 credits**

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

# School of Science and Engineering

John Harrington, Dean

*Phone: (845) 257-3728*

*Location: Resnick Engineering Hall, Room 115*

*Web: [www.newpaltz.edu/sse](http://www.newpaltz.edu/sse)*

## Chemistry

*Phone: (845) 257-3790*

*Location: Coykendall Science Building Room 105*

*Web address: [www.newpaltz.edu/chemistry](http://www.newpaltz.edu/chemistry)*

The Department of Chemistry at New Paltz offers both undergraduate and masters degree programs. Three undergraduate programs leading to liberal arts degrees are available: the chemistry major, the American Chemical Society (ACS) approved chemistry major, and the chemistry major with biochemistry emphasis.

A student who obtains an ACS-approved degree is eligible for employment as a chemist in industry or government. The ACS-approved program also prepares students for graduate study and for professional training in medicine, dentistry, and veterinary medicine. Course offerings allow chemistry majors to obtain a broad background in several areas of chemistry.

The biochemistry emphasis is designed for the student interested in biochemistry or health-related sciences requiring a substantial background in chemistry. This program provides excellent preparation for health professional training, as well as for graduate study in clinical chemistry, physiology, and medicinal chemistry. Students take core courses in chemistry and biology and complete the year-long biochemistry sequence.

The chemistry major requires fewer advanced courses than the ACS approved program. However, students take, with advisement, the same core courses that provide theoretical and hands-on education in the major areas of chemistry. Students are able to combine a chemistry major with pre-law, business, or teaching programs. This degree with selected courses in biology can prepare students for medical school entrance requirements. Preparation for a non-laboratory career in chemistry could include management or marketing courses offered by the business program at New Paltz.

Recent national surveys have identified trends in the evolving growth areas of businesses that use chemistry. These suggest that combining chemistry courses with experience in related areas provides a good background for future career choices. The Chemistry Department can identify courses that provide the chemistry major with knowledge of small business operations,



environmental monitoring and materials development. Check cross listings in the schedule of classes and speak with your major advisor for further information.

The American Chemical Society's Committee on Professional Training includes the New Paltz Chemistry Department on its list of approved departments. This is the equivalent to professional accreditation of the liberal arts curriculum.

Prospective chemistry majors should consult with the department chair as soon as possible after admission to the College and should take 64251 and 22201 in the fall semester of their freshman year.

### **Major in Chemistry (General Degree)**

**48-49 credits**

**Required chemistry courses.....35-36 credits**

- 22201 General Chemistry I (4)
- 22202 General Chemistry II (4)
- 22303 Introduction to Analytical Chemistry (4)
- 22314 Inorganic Chemistry (3)
- 22318 Organic Chemistry I (4)
- 22319 Organic Chemistry II (4)
- 22321 Physical Chemistry I (3)
- 22322 Physical Chemistry II (3)
- 22323 Experimental Physical Chemistry (3)
- 22461 Biochemistry I (4) or a Chemistry course at 400 or 500 level approved by the Chair.

**Required cognate courses.....16 credits**

- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 75201 General Physics I (4)
- 75202 General Physics II (4)

Though not required, 22407—Instrumental Techniques, is strongly recommended.

### **Chemistry (ACS approved degree)**

**67 credits**

In addition to the courses required by the general degree in chemistry, the following are required:

- 22315 Inorganic Chemistry Lab (1)
- 22407 Instrumental Techniques (4)
- 22461 Biochemistry I (4)
- 22490 Senior Research in Chemistry (3)

**Elective chemistry course..... 3 credits**

One additional semester of advanced work selected from 400- and 500-level courses in chemistry. (22495, Independent Study, and 22494, Fieldwork, do not meet this requirement.)

**Required cognate courses.....20 credits**

- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 64353 Calculus III (4) or 75300 Mathematical Physics I (3)
- 75201 General Physics I (4)
- 75202 General Physics II (4)

### **Chemistry (Biochemistry Emphasis)**

**75 credits**

In addition to the courses required by the general degree in chemistry, the following courses are required:

22314	Inorganic Chemistry (3)
22407	Instrumental Techniques (4)
22461	Biochemistry I (4)
22462	Biochemistry II (4)
22490	Senior Research in Chemistry (3)
<b>Required cognate courses.....28 credits</b>	
64251	Calculus I (4)
64252	Calculus II (4)
75201	General Physics I (4)
75202	General Physics II (4)
15201	General Biology I (4)
15202	General Biology II (4)
15320	Genetics (4)

### **Minor in Chemistry**

**17-20 credits**

**Required Chemistry courses..... 8 credits**

22201	General Chemistry I (4)
22202	General Chemistry II (4)

**Required Elective courses.....9-12 credits**

*Choose three from the following:*

22303	Introduction to Analytical Chemistry (4)
22314	Inorganic Chemistry (3)
22318	Organic Chemistry I (4)
22319	Organic Chemistry II (4)
22321	Physical Chemistry I (3)
22322	Physical Chemistry II (3)
22XXX	Course in Chemistry not having Physical Chemistry as prerequisite (3-4)

The college also offers an Interdisciplinary minor in Environmental Science. See index.

### **Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

## **Computer Science**

**Phone: (845) 257-3990**

**Location: Faculty Office Building Room N12**

**Web address: [www.newpaltz.edu/compsci](http://www.newpaltz.edu/compsci)**

The Computer Science Department offers both undergraduate and masters degree programs. The major, which is accredited by the Computing Sciences Accreditation Board, prepares students for

graduate study or high-level professional employment in the computer and information technology industries. The department also offers a minor in Computer Science that gives students the background to use the computer in other disciplines.

SUNY New Paltz has a fully networked campus and a multi-user computer system that provides e-mail, Internet access, and software to the campus community. Additionally, the Department of Computer Science maintains several specialized computer laboratories. Computer science students use these resources and gain experience working with current hardware, operating systems, and programming languages.

*NOTE: No course (including transfer courses) in which a student receives a grade below C- or a pass/fail grade, may be used to satisfy a major requirement.*

*NOTE: Some Computer Science courses have a Math Placement Level prerequisite. Consult the Department of Mathematics for information concerning Math Placement Levels.*

## **Major in Computer Science**

**40 credits**

### **1. Computer Science**

#### **1. A. Required .....31 credits**

- 25210 Computer Science I: Foundations (4)
- 25310 Computer Science II: Data Structures (3)
- 25325 Computer Organization and Assembly Language (3)
- 25340 Operating Systems I (3)
- 25352 Object Oriented Programming (3)
- 25353 Software Engineering (3)
- 25410 Design and Analysis of Algorithms (3)
- 25420 Languages and Machines (3)
- 25450 Design of Programming Languages (3)
- 25480 Senior Seminar (3)

#### **1. B. Electives..... 3 credits**

*One of the following:*

- 25341 Operating Systems II (3)
- 25430 Compiler Construction (3)

#### **1. C. Electives..... 6 credits**

Any two 3-credit upper-division computer science courses.

### **2. Mathematics**

**18 credits**

#### **2. A. Required..... 4 credits**

- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 64320 Discrete Mathematics for Computing (3)
- 64382 Probability and Statistics (3)

#### **2. B. Elective..... 4 credits**

*One of the following:*

- 64353 Calculus III (4)
- 64375 Numerical Methods (3)

**3. Engineering**

**4 credits**

- 45230 Digital Logic Design (3)
- 45208 Digital Logic Lab (1)

**4. Science**

**12 credits**

**4. A. Elective..... 4 credits**

*One of the following one-year sequences:*

- 75201 General Physics I (4)
- 75202 General Physics II (4)

OR

- 22201 General Chemistry I (4)
- 22202 General Chemistry II (4)

**4. B. Elective..... 4 credits**

*One of the following courses:*

- 15201 General Biology I (4)
- 22201 General Chemistry I (4) *(if not used in 4. A.)*
- 50220 Physical Geology (4)
- 75201 General Physics I (4) *(if not used in 4. A.)*

**5. Philosophy**

**3 credits**

- 71308 Philosophy and Technology (3)

**Minor in Computer Science**

**16 credits**

**Required Computer Science Course..... 4 credits**

- 25210 Computer Science I: Foundations (4)

**Elective Computer Science Courses..... 9 credits**

Each minor candidate is required to complete at least three 300-level-or-above computer science courses with the prior approval of an advisor from the department. Elective computer science courses must include at least two that are not required in the student's major.

**Elective Mathematics Course..... 3 credits**

Each minor candidate is required to complete at least one 200-level-or-above mathematics course (except 64240).

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Electrical and Computer Engineering**

*Phone: (845) 257-3720*

*Location: Resnick Engineering Hall Room 103*

*Web address: [www.engr.newpaltz.edu](http://www.engr.newpaltz.edu)*

## **Electrical Engineering**

The Department of Electrical and Computer Engineering offers both undergraduate and masters degree programs. The undergraduate major in Electrical Engineering is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). Students may choose electives in microelectronics, communications, signal processing, control, robotics, energy conversion, microwaves, electromagnetics and computer engineering.

Electrical Engineering continues to be a growth program in the field of engineering due to a rapidly changing technological society and expanding industrial needs. The New Paltz program is designed to meet these needs generally and those of the mid-Hudson valley specifically.

The curriculum consists of a humanities and social sciences component, a pre-engineering phase (pre-engineering major code 516), and upper-division engineering course work (electrical engineering major code 517). Electrical engineering students must meet a modified General Education Requirement. This includes the pre-engineering courses in mathematics and science and the humanities/social science sequence. The pre-engineering and humanities/social sciences requirements are exactly the same for the electrical engineering and computer engineering programs.

### **Electrical Engineering Curriculum**

**129-130 credits**

Humanities and Social Sciences .....	18 credits
Pre-Engineering .....	37 credits
Electrical Engineering Core .....	51-52 credits
Technical Electives .....	23 credits

Although it is possible for a dedicated student who begins the math sequence with Calculus I to complete all degree requirements in four years, our students, like those at most engineering schools in the United States, typically require an additional semester to complete the program.

#### **Humanities and Social Sciences Component                      18 credits**

Choose one (1) course from each of the following six categories:

- |                         |                   |
|-------------------------|-------------------|
| 1. American History     | 4. Humanities     |
| 2. World Civilization   | 5. Social Science |
| 3. Western Civilization | 6. Art            |

### **Pre-Engineering Requirement**

**37 credits**

The pre-engineering course of study consists of 37 credits in mathematics, computer science, physics, chemistry, introductory engineering, and English. The required courses are:

#### **Mathematics**

64251	Calculus I (4)
64252	Calculus II (4)
64353	Calculus III (4)

#### **Computer Science**

25210	Computer Science I: Foundations (4)
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### **Physics**

- 75201 General Physics I (4)  
75202 General Physics II (4)

### **Chemistry**

- 22201 General Chemistry I (4)

### **Engineering**

- 47101 Introduction to Engineering Science (3)

### **English**

- 41160 Freshman Composition I (3)  
41180 Freshman Composition II (3)  
OR  
41205 General Honors English I (3)  
41206 General Honors English II (3)

### **Admission to the Electrical Engineering Major**

Students completing the pre-engineering sequence with a grade point average of 2.50 or above are eligible for admission to the Electrical Engineering program (major code 517).

Note that the general education and pre-engineering requirements are identical for both electrical and computer engineering majors. Therefore, a student who has successfully completed the pre-engineering requirement may declare either the electrical engineering (major code 517) or the computer engineering (major code 518) upper division major.

Students are strongly advised to complete at least six credits of humanities and social sciences courses before applying for admission to an engineering major.

The admission of transfer students will be based on a detailed comparison of their transcript with the New Paltz pre-engineering requirements and consultation with an advisor from the Department of Electrical and Computer Engineering.

### **Departmental Academic Policies**

Pre-engineering students may not enroll in engineering or engineering-related courses other than Introduction to Engineering Science (47101) and Technical Communications(47309). Exceptions are frequently granted for Circuits Laboratory (40209), Circuit Analysis (40210), Digital Logic Laboratory (45208), Digital Logic Fundamentals (45230), Ordinary Differential Equations [ODE] (64359), and Linear Algebra (64362). Permission to register in any of these courses must be obtained from the department before registration.

Students may not enroll in any engineering course unless all prerequisites have been met with a grade of C- or better. Courses taken on a satisfactory/unsatisfactory basis cannot be applied to meet the engineering degree requirements.

### Upper-Division Electrical Engineering Requirement

The upper-division electrical engineering course work, which leads to the Bachelor of Science degree in Electrical Engineering, consists of the electrical engineering core and a series of technical electives.

### Electrical Engineering Core Curriculum

**51-52 credits**

The following courses constitute the electrical engineering core:

	<u>Total Credits</u>	<u>Design Credits</u>	<u>Eng/Sci Credits</u>
40209 Circuits Laboratory	1	0.5	0.5
40210 Circuit Analysis	4	0.5	3.5
40311 Signals and Systems	3	0.5	2.5
40320 Electronics I	3	1.0	2.0
40321 Electronics II	3	1.0	2.0
40322 Electronics I Lab	1	1.0	0
40323 Electronics II Lab	1	1.0	0
40340 Engineering Electromagnetics I	3	0.5	2.5
40341 Engineering Electromagnetics II	3	0.5	2.5
40408 Senior Design Project I <sup>1</sup>	3	3.0	0
40409 Senior Design Project II <sup>1</sup>	3	3.0	0
45208 Digital Logic Laboratory	1	0.5	0.5
45230 Digital Logic Fundamentals	3	1.0	2.0
45308 Microprocessor Laboratory	1	0.5	0.5
45331 Microprocessor System Design	3	1.0	2.0
47309 Technical Communications	3	0	0
64359 Ordinary Differential Equations	3	0	0
40XXX Engineering Statistics	3	0	0
64362 Linear Algebra	3	0	0
75XXX Mechanical Engineering <sup>2</sup>	<u>3 or 4</u> 51-52	1.0	2.0

### Electrical Engineering Technical Electives

**23 credits**

Twenty-three credits of technical electives are required which must include at least three electrical and/or computer engineering (40XXX and/or 45XXX) lecture courses (9 credits) and two engineering (40XXX and/or 45XXX) laboratories (2 credits). Students must obtain the advice of their advisor about their choice of electives before registering. (Engineering graduate courses can be used as undergraduate technical electives.)

#### *Lecture Group:*

	<u>Total Credits</u>	<u>Design Credits</u>	<u>Eng/Sci Credits</u>
25310 Computer Science II: Data Structure	3	0.5	2.5
25340 Operating Systems I	3	1.0	2.0
25341 Operating Systems II	3	1.0	2.0
25410 Design and Analysis of Algorithms	3	0	1.0
25420 Languages and Machines	3	1.0	1.0
25450 Design of Programming Languages	3	0	1.0
40312 Communication Systems	3	1.0	2.0
40316 Control Systems I	3	1.0	2.0
40317 Digital Control Systems	3	1.0	2.0
40342 Microwave Fundamentals	3	1.0	2.0
40436 Microelectronic Technology	3	1.0	2.0
40444 Engineering Optics	3	1.0	2.0
40451 Electromechanical Energy Conversion	3	1.0	2.0
40452 Electric Power Systems	3	1.0	2.0
404XX Solid State Devices	3	1.0	2.0

<b>Lecture Group:</b>		<b>Total Credits</b>	<b>Design Credits</b>	<b>Eng/Sci Credits</b>
45423	Digital Integrated Circuits	3	1.0	2.0
45435	VLSI Design	3	0.5	1.5
454XX	Embedded Systems	3	1.5	1.5
454XX	Computer Communication	3	1.0	2.0
64375	Numerical Methods	3	0	1.0
64382	Probability and Statistics II	3	0	1.0
75309	Modern Physics II	3	0	0

<b>Laboratory Group:</b>		<b>Total Credits</b>	<b>Design Credits</b>	<b>Eng/Sci Credits</b>
40302	Antennas	1	0	1.0
40303	Microwave Fundamentals	1	0.5	0.5
40304	Control	1	0	1.0
40305	Communication	1	0	1.0
40306	Microwave Circuits	1	0.5	0.5
404XX	Microelectronics Technology	1	0	1.0
404XX	Digital Signal Processing	1	0	1.0
40XXX	Digital Control Lab	1	0	1.0
40XXX	Electromechanical Energy Conversion Lab	1	0	1.0
45401	VLSI Design	1	0.5	0.5

**Footnotes:**

<sup>1</sup> *Senior Design Project (40408 and 40409) - 6 cr. Seniors must register during each of the last two semesters preceding their graduation for Senior Design Project. A single project under the direction of a single faculty member will be spread over two semesters. This project should provide a meaningful engineering design experience and should draw on the cumulative technical background of the student.*

<sup>2</sup> *Choose one of the following two courses:*

75315 *Engineering Mechanics (4)*

75422 *Thermodynamics (3)*

## **Computer Engineering**

The Department of Electrical and Computer Engineering offers both undergraduate and masters degree programs. The undergraduate major in Computer Engineering is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET). Students may choose electives in computer hardware, software engineering, computer and information engineering and communication and networking. The Computer Engineering program has been accredited from 2000.

The computer revolution has changed the way in which we live, work and play. Computer engineers are at the heart of this rapid development. Career opportunities for computer engineering graduates continue to be plentiful.

The curriculum consists of a humanities and social sciences component, a pre-engineering phase (pre-engineering major code 516) and upper-division engineering course work (computer engineering major code 518). Computer engineering students must meet a modified General Education Requirement. This includes the pre-engineering courses in mathematics and science and the humanities/social science sequence. The pre-engineering and humanities/social science requirements are exactly the same for the electrical engineering and computer engineering programs.



**Computer Engineering Curriculum****129-130 credits**

Humanities and Social Sciences .....	18 credits
Pre-Engineering .....	37 credits
Computer Engineering Core .....	61-62 credits
Technical Electives .....	13 credits

Although it is possible for a dedicated student who begins the math sequence with Calculus I to complete all degree requirements in four years, our students, like those at most engineering schools in the United States, typically require an additional semester to complete the program.

**Humanities and Social Sciences Component                      18 credits**

Choose one (1) course from each of the following six categories:

- |                         |                   |
|-------------------------|-------------------|
| 1. American History     | 4. Humanities     |
| 2. World Civilization   | 5. Social Science |
| 3. Western Civilization | 6. Art            |

**Pre-Engineering Requirement****37 credits**

The pre-engineering course of study consists of 37 credits in mathematics, computer science, physics, chemistry, introductory engineering, and English. The required courses are:

**Mathematics**

64251	Calculus I (4)
64252	Calculus II (4)
64353	Calculus III (4)

**Computer Science**

25210	Computer Science I: Foundations (4)
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**Physics**

75201	General Physics I (4)
75202	General Physics II (4)

**Chemistry**

22201	General Chemistry I (4)
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**Engineering**

47101	Introduction to Engineering Science (3)
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**English**

41160	Freshman Composition I (3)
41180	Freshman Composition II (3)
	OR
41205	General Honors English I (3)
41206	General Honors English II (3)

### **Admission to the Computer Engineering Major**

Students completing the pre-engineering sequence with a grade point average of 2.50 or above are eligible for admission to the computer engineering program (major code 518).

Note that the general education and pre-engineering requirements are identical for both electrical and computer engineering majors. Therefore, a student who has successfully completed the pre-engineering requirement may declare either the electrical engineering (major code 517) or the computer engineering (major code 518) upper division major.

Students are strongly advised to complete at least six credits of humanities and social science courses before applying for admission to an engineering major.

The admission of transfer students will be based on a detailed comparison of their transcript with the New Paltz pre-engineering requirements and consultation with an advisor from the Department of Electrical and Computer Engineering.

### **Departmental Academic Policies**

Pre-engineering students may not enroll in engineering or engineering-related courses other than Introduction to Engineering Science (47101), and Technical Communications(47309). Exceptions are frequently granted for Circuits Laboratory (40209), Circuit Analysis (40210), Digital Logic Laboratory (45208), Digital Logic Fundamentals (45230), Ordinary Differential Equations [ODE] (64359), Discrete Mathematics (64320) and Computer Science II: Data Structures (25310).

Permission to register in any of these courses must be obtained from the Department of Electrical and Computer Engineering before registration.

Students may not enroll in any engineering course unless all prerequisites have been met with a grade of C- or better. Courses taken on a Satisfactory/Unsatisfactory basis cannot be applied toward the engineering degree requirements.

### **Upper-Division Computer Engineering Requirements**

The upper-division engineering course work, which leads to the Bachelor of Science degree in Computer Engineering, consists of the computer engineering core and a series of technical electives.

### **Computer Engineering Core Curriculum**

**60-61 credits**

The following courses constitute the computer engineering core:

		<b><u>Total Credits</u></b>	<b><u>Design Credits</u></b>	<b><u>Eng/Sci Credits</u></b>
25310	Computer Science II: Data Structures	3	1	3
25353	Software Engineering	3	2	1
40209	Circuits Laboratory	1	0.5	0.5
40210	Circuit Analysis	4	0.5	3.5
40311	Signals and Systems	3	0.5	2.5
40320	Electronics I	3	1.0	2.0
40321	Electronics II	3	1.0	2.0
40322	Electronics I Lab	1	1	0
40323	Electronics II Lab	1	1	0
40408	Senior Design Project I <sup>1</sup>	3	3.0	0

		<b><u>Total Credits</u></b>	<b><u>Design Credits</u></b>	<b><u>Eng/Sci Credits</u></b>
40409	Senior Design Project II <sup>1</sup>	3	3.0	0
40340	Engineering Electromagnetics I	3	.5	2.5
40XXX	Engineering Statistics	3	0	0
45208	Digital Logic Laboratory	1	0.5	0.5
45230	Digital Logic Fundamentals	3	1.0	2.0
45308	Microprocessor Laboratory	1	0.5	0.5
45331	Microprocessor System Design	3	1.5	1.5
45432	Introduction to Computer Architecture	3	1.0	2.0
45433	Computer System Design II	3	3.0	0
47309	Technical Communications	3	0	0
64320	Discrete Mathematics for Computing	3	0	0
64359	Ordinary Differential Equations	3	0	0
75XXX	Mechanical Engineering <sup>2</sup>	<u>3 or 4</u>	1	2
		60-61		

### **Computer Engineering Technical Electives**

**13 credits**

Seventeen credits of technical electives are required which must include at least one electrical engineering (40XXX) lecture course (3 credits) and one electrical engineering (40XXX) laboratory (1 credit). Students must obtain the advice of their advisor about their choice of electives before registering. (Engineering Graduate Courses can be used as undergraduate Technical Electives.)

#### ***Lecture Group:***

		<b><u>Total Credits</u></b>	<b><u>Design Credits</u></b>	<b><u>Eng/Sci Credits</u></b>
25340	Operating Systems I	3	1.0	2.0
25341	Operating Systems II	3	1.0	2.0
25410	Design and Analysis of Algorithms	3	0	1.0
25420	Languages and Machines	3	1.0	1.0
25450	Design of Programming Languages	3	0	1.0
40312	Communication Systems	3	1.0	2.0
40316	Control Systems I	3	1.0	2.0
40317	Digital Control Systems	3	1.0	2.0
40342	Microwave Fundamentals	3	1.0	2.0
45423	Digital Integrated Circuits	3	1.0	2.0
40436	Microelectronics Technology	3	1.0	2.0
40444	Engineering Optics	3	1.0	2.0
40451	Electromechanical Energy Conversion	3	1.0	2.0
40452	Electric Power Systems	3	1.0	2.0
404XX	Solid State Devices	3	1.0	2.0
45435	VLSI Design	3	1.5	1.5
45XXX	Embedded Systems	3	1.5	1.5
45XXX	Computer Communications	3	1.0	2.0
64375	Numerical Methods	3	0	1.0
64382	Probability and Statistics II	3	0	1.0
75308	Modern Physics I	3	0	0

#### ***Laboratory Group:***

		<b><u>Total Credits</u></b>	<b><u>Design Credits</u></b>	<b><u>Eng/Sci Credits</u></b>
40302	Antennas	1	0	1.0
40303	Microwave Fundamentals	1	0.5	0.5
40304	Control	1	0	1.0
40305	Communication	1	0	1.0
40306	Microwave Circuits	1	0.5	0.5
404XX	Microelectronics Technology	1	0	1.0
404XX	Electromechanical Energy Conversion	1	0	1.0
40XXX	Digital Signal Processing	1	0	1.0

**Laboratory Group:**

	<b>Total Credits</b>	<b>Design Credits</b>	<b>Eng/Sci Credits</b>
40XXX Digital Control	1	0	1.0
45401 VLSI Design	1	1.0	0

**Footnotes:**

<sup>1</sup> Senior Design Project (40408 and 40409) - 6 cr. Seniors must register during each of the last two semesters preceding their graduation for Senior Design Project. A single project under the direction of a single faculty member will be spread over two semesters. This project should provide a meaningful engineering design experience and should draw on the cumulative technical background of the student.

<sup>2</sup> Choose one of the following two courses:

75315 Engineering Mechanics (4)

75422 Thermodynamics (3)

**Environmental Geochemical Science**

**Phone: (845) 257-3760**

**Location: Wooster Science Building, Room 202**

**Web address: [www.newpaltz.edu/sse](http://www.newpaltz.edu/sse)**

Environmental Geochemical Science is an interdisciplinary undergraduate degree program administered by the Department of Geological Sciences, focusing on the environmental aspects of Geology and Chemistry. Through formal courses, laboratories, and research projects, students develop an awareness of the geological and chemical processes that impact society and the environment. Both a major in Environmental Geochemical Science and a minor in Environmental Science are offered.

In the major program, a sophomore level Introduction to Environmental Science and Engineering, will draw on the foundation courses to bring together a truly interdisciplinary view of environmental science. Students will see how the different sciences must be combined to understand and address environmental problems. Particular emphasis will be placed on the roles of chemistry, geology, and environmental engineering. In the senior year, students will engage in a full year Senior Research Project under the supervision of a faculty mentor or an experienced regional scientist. During the spring term of the senior year, oral presentations of student research projects will be made in a Senior Seminar. This seminar will also feature guest scientists who will relate their own work in environmental science.

This major program is a rigorous four year sequence in science and mathematics, so it is essential that interested students seek advising early in their college studies. First year students should take Physical Geology (50220), General Chemistry 1 (22201), and Calculus 1 (64251) in their first semester, followed by General Chemistry 2 (22202), Calculus 2 (64252), and Introductory Biology (15210) in their second semester.

Transfer students should complete the above first year requirements before entering SUNY New Paltz, and should additionally take one year of calculus-based physics, a course in statistics, a laboratory course in historical geology, and organic chemistry.

This information is provided as a resource for students to aid in selecting a major or degree track. Students should, however, obtain a current plan of study form and consult with an advisor before selecting a program or enrolling in coursework. Complete advising guidelines may be obtained from the Department of Geological Sciences Office or by consultation with the Director of the Environmental Science program.

**Environmental Geochemical Science**

**76-77 credits**

**Mathematics and Physics.....19 credits**

- 64241 Introduction to Statistics (3)
- 64251 Calculus 1 (4)
- 64252 Calculus 2 (4)
- 75201 General Physics 1 (4)
- 75202 General Physics 2 (4)

**Biology.....8 credits**

- 15210 Introductory Biology (4)
- 15340 Ecology (4)

**Chemistry .....20 credits**

- 22201 General Chemistry 1 (4)
- 22202 General Chemistry 2 (4)
- 22318 Organic Chemistry 1 (4)
- 22303 Introduction to Analytical Chemistry (4)
- 22407 Instrumental Techniques (4)

**Geology.....12 credits**

- 50220 Physical Geology (4)
- 50301 Historical Geology (4)
- 50507 Introduction to Hydrology (4)

**Environmental Science.....17-18 credits**

- 50370 Introduction to Environmental Science (4)
- One of the following two Regulatory Elective courses:*
- 50346 Conservation & Environmental Impact (3)
- 48406 Natural Resources: Utilization & Management (3)
- 15475/6, 22475/6 or 50475/6 Senior Research Project (6)
- 50477 Senior Seminar in Environmental Science (1)

*One Environmental Science Elective:*

- 50xxx (3-4)

The Department of Geological Sciences also offers a minor in Environmental Science. It provides students with the opportunity to broaden their knowledge in areas of natural science and social science germane to environmental issues.

**Minor in Environmental Science:**

**Introductory Science and Math..... 11-12 credits**

*Two of the following:*

- 15201 General Biology I or 15210 Introductory Biology (4)
- 22201 General Chemistry I (4)
- 50220 Physical Geology (4)

*One of the following:*

- 64241 Introduction to Statistics (3)

- 64245      Basic Calculus (4)  
 64251      Calculus I (4)

A total of 6 courses must be completed from the following two categories by all students:

**Science/Technical .....12-16 credits**

*Select four courses, at least two of which will **NOT** be used to satisfy a major requirement:*

- 15340      Ecology (4)  
 15561      Endangered Species (3)  
 15593      Biology Selected Topics (4)  
 22303      Introduction to Analytical Chemistry (4)  
 22318      Organic Chemistry I (4)  
 22319      Organic Chemistry II (4)  
 22509      Spectrometric Identification of Organic Compounds (3)  
 48381      Cartography (4)  
 48382      Remote Sensing (4)  
 48383      Introduction to Geographic Information Systems (3)  
 50339      Natural Resources and Energy (3)  
 50346      Conservation and Environmental Impact (3)

**Policy/Politics/Planning .....6-7 credits**

*Select two courses:*

- 33304      Public Finance (4)  
 33305      State & Local Public Finance (3)  
 48526      Urban Planning (3)  
 77301      State Politics (3)  
 77310      Public Management (3)  
 77316      American Public Policies (3)  
 77318      Local Politics (3)  
 87317      Environmental Sociology (3)  
 87432      Social Policy (3)

It is strongly recommended that students consult with the Coordinator of Environmental Science and/or an advisor in their major department as early as possible in their course planning.

## Geological Sciences

**Phone: (845) 257-3760**

**Location: Wooster Science Building, Room 202**

**Web address: [www.newpaltz.edu/geology](http://www.newpaltz.edu/geology)**

The Department of Geological Sciences offers both undergraduate and masters degree programs. Through formal courses, field work, and research projects, the students develop an awareness of the geological processes that shape our planet, and their impact on society and the environment. The undergraduate major in geology offers concentrations in both General Geology and Environmental Geoscience.

Elementary education and secondary education degrees in Earth Science are offered at both the undergraduate and masters levels. These programs are described under the School of Education listings. An undergraduate degree in Environmental Geochemical Science, also offered by this department, has a separate listing. A minor in geology is available for those majoring in other fields.

Interdisciplinary in nature, the undergraduate degree in geology requires courses in geology and cognate areas. The General Geology option is recommended for those contemplating graduate work in the geological sciences. For any of the geology programs, Physical Geology (50220) should be taken in the fall semester of the freshman year, followed by Historical Geology (50301) in the spring. General Chemistry I (22201), General Chemistry II (22202) and Calculus I (64251) should also be taken in the freshman year. It is also possible to begin the major in the sophomore year with proper advising.

Transfer students should complete as many of the cognate requirements as possible before entering New Paltz. Ideally, one year each of college chemistry, physics, and calculus should be completed in addition to a one year laboratory sequence in geology (physical and historical geology).

It is important that all students seek advising early on, so they can complete the major on time. Students should get their advisor's approval of elective courses selected "by advisement" before taking the courses. It is the students' responsibility to become familiar with the program requirements, and to work out the details of their program with the aid of their advisors. Additional advising information is available in the department office (WSB 202).

Students must earn a grade of C- or better in all courses required for the geology major or minor.

For non-majors interested in geology, or those considering a geology minor, the recommended sequence is Physical Geology (50220) followed by Historical Geology (50301).

### **Honor's Research**

Honor's Research is for students who wish to conduct a specialized research project at the undergraduate level. Students who plan on obtaining an M.A. or Ph.D. are advised to enroll in this course if they satisfy the prerequisites. Honor's Research is a very good means of letting the student, as well as faculty at New Paltz and other schools, identify whether or not he or she is suited for graduate work.

In order to enroll in Honor's Research (50491) a student must maintain a cumulative average of at least 3.00, and be recommended by a geology faculty sponsor and the department chair. Guidelines for research projects are available in the department office, and should be carefully read prior to meeting with the department chair to discuss the program.

### **Track I – General Geology**

**58-63 credits**

<b>Geology Core .....</b>	<b>27 credits</b>
50220	Physical Geology (4)
50301	Historical Geology (4)
50311	Mineralogy-Crystallography (4)
50313	Optical Mineralogy (3)

50314	Petrology (4)
50331	Stratigraphy-Sedimentation (4)
50338	Structural Geology (4)
<b>Geological Science Courses ..... 8-12 credits</b>	
50305	Paleontology (4)
50492	Research in Geology (1-4)
<i>One 500-level geology course by advisement:</i>	
505XX	(3-4)
<b>Cognate Courses..... 23-24 credits</b>	
22201	General Chemistry I (4)
22202	General Chemistry II (4)
64251	Calculus I (4)
75201	General Physics I (4)
<i>One of the following by advisement:</i>	
64241	Introduction to Statistics (3)
64252	Calculus II (4)
<i>One of the following by advisement:</i>	
75202	General Physics II (4)
75222	Fundamental Physics II (4)

**Recommended Courses:**

15210	Introductory Biology (4)
25210	Computer Science I: Foundations (4)
48383	Introduction to Geographic Information Systems (3)

It is recommended that students who plan to do graduate or professional work in geology take a six-week field geology camp in the summer following their final semester at New Paltz.

**Track II – Environmental Geoscience**

**56-58 credits**

<b>Geology Core ..... 27 credits</b>	
50220	Physical Geology (4)
50301	Historical Geology (4)
50311	Mineralogy and Crystallography (4)
50313	Optical Mineralogy (3)
50314	Petrology (4)
50331	Stratigraphy-Sedimentation (4)
50338	Structural Geology (4)
<b>Geological Science Courses ..... 6-7 credits</b>	
<i>One of the following by advisement:</i>	
50339	Natural Resources and Energy (3)
50346	Conservation and Environmental Impact (3)
50434	Environmental Surveying Geology (3)
<i>One 500-level geology course by advisement:</i>	
505XX	(3-4)
<b>Cognate Courses..... 23-24 credits</b>	
22201	General Chemistry I (4)
22202	General Chemistry II (4)
64251	Calculus I (4)



- 75201        General Physics I (4)  
*One of the following by advisement:*  
 64241        Introduction to Statistics (3)  
 64252        Calculus II (4)  
*One of the following by advisement:*  
 75202        General Physics II (4)  
 75222        Fundamental Physics II (4)

**Recommended Courses**

- 15210        Introductory Biology (4)  
 25210        Computer Science I: Foundations (4)  
 48383        Introduction to Geographic Information Systems (3)

**Minor in Geology**

**18 credits**

- Required Courses ..... 8 credits**  
 50220        Physical Geology (4)  
 50301        Historical Geology (4)  
**Elective Courses ..... 10 credits**  
*A minimum of ten credits from any of the following:*

**Geology Courses**

- 50305        Paleontology (4)  
 50311        Mineralogy and Crystallography (4)  
 50313        Optical Mineralogy (3)  
 50314        Petrology (4)  
 50331        Stratigraphy-Sedimentation (4)  
 50338        Structural Geology (4)

**Environmental Geoscience Courses**

- 50120        Weather and Environment (4)  
 50205        Environmental Geology (4)  
 50339        Natural Resources and Energy (3)  
 50346        Conservation and Environmental Impact (3)  
 50434        Environmental Surveying Geology (3)

The college also offers an Interdisciplinary minor in Environmental Science. See index.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

## Mathematics

*Phone: (845) 257-3532*

*Location: Faculty Office Building Room E-2*

*Web address: [www.newpaltz.edu/math/](http://www.newpaltz.edu/math/)*

The Department of Mathematics offers both undergraduate and masters degree programs. The undergraduate major in Mathematics provides a strong theoretical background for graduate or industrial work in any area of mathematics. Three concentrations are available: Pure Mathematics, Actuarial Science, and Computer Science. Students develop a strong mathematical foundation applicable to many fields, the ability to think analytically and make sound judgments and the ability to organize, analyze and interpret numerical data. Undergraduate and masters degree programs in Elementary and Secondary Education are listed under the School of Education.

The department has adopted the Harvard calculus reform curriculum, which emphasizes that every topic be presented graphically, numerically and algebraically. The graphing calculator is an essential part of Calculus I and II, while Mathematica (a computer program for performing mathematics) is used in some more advanced courses.

The mathematics curriculum is specifically structured to enable students to establish a firm academic base in mathematical principles before proceeding to advanced study. No course (including a transfer course) in which a pass/fail or a grade of less than C- is received may be used to meet a prerequisite or to satisfy a requirement in any major offered by the Department of Mathematics.

### Majors in Mathematics

**52 credits**

**Required Mathematics Courses.....33 credits**

- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 64260 Foundations of Mathematics I (3)
- 64301 Foundations of Mathematics II (3)
- 64321 Intermediate Analysis I (3)
- 64353 Calculus III (4)
- 64359 Ordinary Differential Equations (3)
- 64362 Linear Algebra (3)
- 64364 Introduction to Abstract Algebra I (3)
- 64381 Probability and Statistics I (3)

**Elective Courses ..... 12 credits**

A total of 12 credits in mathematics or computer science courses at the 300 level or above.

**Required Computer Sciences Courses..... 7 credits**

- 25210 Computer Science I: Foundations (4)
- 25310 Computer Science II: Data Structures (3)

Mathematics majors who need to fulfill their GE Natural Sciences requirement (Category D), must do so with Laboratory Options. 75201, General Physics I, and 75202, General Physics II, are strongly recommended.

All first time undergraduate students entering the College receive a Math Placement Level (MPL) as part of the admissions process. The level is determined by previously taken mathematics courses and SAT Math scores. College courses express math prerequisites in terms of the MPL. Students can raise their MPL by taking specific math courses or by taking Mathematics Placement Exams offered by the Math Department. You are encouraged to review the material in the sample exams posted below before taking an exam.

**Summary of Math Placement Levels and What They Mean:**

MPL	Meaning	Courses that will raise level (a grade of C- or better will raise MPL to (x))	Or take this MP Exam
1	Deficiency in Fundamental Skills	64050 Basic Algebra (2) 64151 College Math (3) 64152 + 64093 College Algebra with Supplemental Workshop (4)	Basic Algebra
2	Deficiency in College Level Mathematics Skills	64151 College Math (3) 64152 College Algebra (4)	College Algebra
3	Ready for some General Education MATH courses, (see specific prerequisites)	64152 College Algebra (4)	College Algebra
4	Prepared for Precalculus or any General Education MATH course, MATH req. met for GE II and IIA but may still need ANSK course.	64181 Precalculus (5)	Precalculus
5	General Education MATH requirement met for GE III; MATH & ANSK met for GE II & IIA, ready for Calculus I (64251).	64251 Calculus I (6)	
6	Successfully completed Calculus I		

**Minor in Mathematics**

**20 credits**

**Required Courses\* ..... 11 credits**

64251 Calculus I (4)

64252 Calculus II (4)

64260 Foundations of Mathematics I (3)

**Electives\* ..... 9 credits**

Three upper-division mathematics electives.

*\* Among these six courses there must be at least two not required in the student's major.*

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.

**Physics**

*Phone: (845) 257-3740*

*Location: Wooster Science Building Room 102*

*Web address: [www.newpaltz.edu/physics](http://www.newpaltz.edu/physics)*

The Physics Department at New Paltz offers students three ways to earn an undergraduate degree in Physics. All students complete a three-year sequence consisting of core and cognate courses. Students can take a fourth year of physics electives, or opt for an approved second major to earn the degree in Physics. Those students in an approved external 3-2 engineering program get the Physics degree from New Paltz upon completion of the requirements for the engineering degree.

Freshmen ready to take Calculus must take 64251, 25210, and 22201 in their first semester in order to be on track for the major. Prospective physics majors are strongly urged to consult with their physics advisor immediately upon admission to the College. Failure to seek early advice can cause delay in completing the requirements. Physics minors, too, will benefit from early advice.

The Department also offers several general interest non-major courses. These courses do not require a background in high school physics, nor do they require knowledge of high level mathematics. However, some high school algebra is helpful.

**Major in Physics**

**46-58 credits**

**Required Physics Courses.....30 credits**

- 75201 General Physics I (4)
- 75202 General Physics II (4)
- 75300 Mathematical Physics I (3)
- 75301 Mathematical Physics II (3)
- 75305 Computational Physics (3)
- 75308 Modern Physics I (3)
- 75309 Modern Physics II (3)
- 75310 Modern Physics Laboratory (1)
- 75311 Classical Mechanics (3)
- 75313 Electricity and Magnetism (3)

**Required Cognate Courses ..... 16 credits**

- 22201 General Chemistry I (4)
- 25210 Computer Science I: Foundations (4)
- 64251 Calculus I (4)
- 64252 Calculus II (4)

**Required Option: A, B, or C:**

- A: Advanced Physics Courses: 75491 (Physics Senior Project) plus three approved electives.
- B: External/Internal 3-2 Engineering Program.
- C: Approved Second Major.

**Minor in Physics**

**18 credits**

Each minor candidate is expected to complete 18 credits in physics at the 200 level or above with a minimum cumulative average of 2.00 for the courses taken. At least 6 credits must be at the 300 level or above.

**Minor in Astronomy**

**36 credits**

The Physics Department also offers an astronomy minor consisting of science cognates, Astronomy 12301, and nine hours of upper-division electives relating to astronomy. The elective courses must be selected with the approval of the minor advisor in conjunction with the Physics Department chair.

**Required courses .....27 credits**

- 12301 Astronomy (4)
- 64251 Calculus I (4)
- 64252 Calculus II (4)
- 22201 General Chemistry I (4)
- 75201 General Physics I (4)
- 75202 General Physics II (4)
- 75308 Modern Physics I (3)

**Electives .....9 credits**

Three astronomy-related courses at the 300 or 400 level selected under advisement. Particular courses related to astronomy include: atomic and nuclear physics, optics, quantum physics, relativity and thermodynamics.

**Liberal Arts Designation:**

All courses count toward the liberal arts requirement.