

THE DOOR IS OPEN

TRANSFER GUIDE FOR ORANGE COUNTY COMMUNITY COLLEGE STUDENTS



S U N Y N E W P A L T Z

Effective Fall 2002 through Fall 2005

THIRD REVISION

This agreement is subject to review at the request of either party.

All information contained herein is accurate as of the time this publication went to press. However, changes in program and other details may have occurred since that time, current information may be obtained from the office of the department concerned.

SUNY New Paltz supports affirmative action and equal opportunity and does not discriminate in educational programs or employment.

STATE UNIVERSITY OF NEW YORK
AT NEW PALTZ

Dear Student,

This booklet, THE DOOR IS OPEN, is the culmination of extensive consultations between the faculty and administration of Orange County Community College and SUNY New Paltz to develop a comprehensive transfer agreement between the two institutions.

Many programs at two-year colleges can and should lead into those at four-year institutions, especially within SUNY. For example, students who receive A.A., A.S., and in many instances an A.A.S. degree from Orange County Community College, should be able to complete their undergraduate study at New Paltz and earn a baccalaureate degree within a reasonable period of time. This transfer guide is designed to facilitate such an arrangement.

The DOOR IS OPEN was originally published in 1980 as the first comprehensive articulation agreement between Orange County Community College and SUNY New Paltz. We are very proud of the continued cooperative spirit in which the work has been undertaken, and we believe that this ongoing agreement will be of great benefit to Orange County Community College students who are considering transferring to SUNY New Paltz to complete a baccalaureate degree.

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QUESTIONS ABOUT TRANSFERRING TO NEW PALTZ, AND THE USE OF THIS TRANSFER GUIDE

Q. Does New Paltz offer the major I want?

A. New Paltz offers a wide variety of majors in both liberal arts and pre-professional programs, fine and performing arts, and education. Each major currently offered at New Paltz is listed in this Transfer Guide with Orange equivalent coursework. The full list of required coursework for each major appears in the New Paltz undergraduate catalog. This guide is designed for use in conjunction with the New Paltz catalog.

Q. Which of my Orange courses will transfer to New Paltz?

A. New Paltz accepts up to 70 credits from each Orange student, including up to 30 credits in non-liberal arts courses.

A.A. or A.S. degree holders from Orange, when transferring directly after receiving the degree, are guaranteed admission to SUNY New Paltz with full junior standing. These students are considered to have met SUNY New Paltz's native general education requirement, but not necessarily the SUNY Mandated General Education requirement. An individual transfer credit evaluation will be provided to determine credits completed and credits still needed to meet the SUNY Mandated General Education requirement. Those A.A. and A.S. degree holders who complete courses in all ten knowledge and skill areas will be considered as having met the SUNY Mandated requirement. Prospective engineering majors must meet a different set of liberal arts requirements as part of the engineering curriculum in order to meet the ABET Accreditation Standards.

A.A.S. degree holders are not guaranteed admission to SUNY New Paltz and are admitted on a competitive basis. A.A.S holders generally have a larger number of non-liberal arts courses in their Orange program than A.A. or A.S. students. However, each applicant also receives an individual transfer credit evaluation with an assessment of credits completed and credits still needed to meet general education requirements.

Q. Does this mean that an A.A.S. student can transfer to New Paltz? I thought that only A.A. and A.S. students could transfer?

A. A.A.S. degree holders can and do continue their studies at four-year colleges and universities, including New Paltz. Many liberal arts programs have strong career components, such as journalism, electronic media, and accounting.

In addition, many Orange A.A.S. programs fit well with the last two years of a New Paltz degree program. For example, students in criminal justice can pursue a political science or sociology major at New Paltz and complete requirements for a New Paltz degree within two additional years.

Q. Are transfer students required to meet special criteria for entrance into the major of their choice?

A. Although admission to the university is guaranteed for A.A. and A.S. degree holders, all transfer students must meet the same requirements for entrance into the curriculum/major of choice as are required of native students. It should be noted that proficiency at some level of mathematics is required for a select group of majors and a placement test may be required.

Q. Which of my Orange courses will count toward my New Paltz major?

A. Using a current New Paltz catalog and this transfer guide this question can be easily answered. The Guide lists those courses required for each New Paltz major that can be taken at Orange. These courses will apply toward the requirements of each specific major as listed.

Q. How many of my Orange courses will count toward my New Paltz major?

A. As a general rule, one-half of the credits in the major must be completed at New Paltz.

Q. Can field service, independent study, and special topics courses taken at Orange be counted toward my major at New Paltz?

A. Field Service, Independent Study, and Special Topics may be acceptable toward a major pending review of appropriate documentation by the chairperson of the major department at SUNY New Paltz.

Q. Are all the courses I could take at Orange listed in this booklet?

A. No. This guide only lists those courses which are equivalent to courses required of a specific major at New Paltz. Courses at Orange that do not meet a major requirement are still transferable as "free" electives. The guide does not list major courses which are offered only at SUNY New Paltz.

Q. How can I be sure of which courses I still need to complete my major at New Paltz?

A. Each major, with the full list of courses required, is described in the most recent edition of the New Paltz undergraduate catalog.

Q. What is the total number of credits required for a New Paltz degree?

A. New Paltz requires 120 academic credits for most of its degree programs. Among the 120 academic credits, a number of liberal arts credits are required for each specific degree.

90 for the Bachelor of Arts (B.A.)
60 for the Bachelor of Science (B.S.)
30 for the Bachelor of Fine Arts (B.F.A.)
48 for the Bachelor of Science (B.S.) in Art Education

NOTE: The Electrical and Computer Engineering Programs have a different set of degree requirements and a greater number of credits are needed to complete the degree. Music Therapy also requires credits beyond the traditional 120. Students seeking a baccalaureate degree with certification under the new State Education Department requirements may need an extended time frame in which to complete the degree.

Liberal arts courses taken at Orange transfer towards this liberal arts requirement. Of the 120 academic credits, 45 must be upper-division level.

Q. What is the upper-division requirement?

A. Simply put, it is a requirement, common to many four-year colleges and universities, that a minimum number of credits be taken at an advanced level. At New Paltz, this consists of courses numbered at the 300, 400 and 500 levels. Each applicant to New Paltz receives a transfer credit evaluation which will summarize the number of credits, if any, which can transfer toward this requirement.

Q. What is the Writing Intensive requirement?

A. This requirement is separate from the General Education program. All students, including transfers with an A.A. or A.S. degree, must complete a three-credit New Paltz course, designated as Writing-Intensive, before graduation.

Q. How long will it take me to complete my program at New Paltz?

A. Normally, A.A. and A.S. degree holders from Orange when transferring to a parallel program, can complete their New Paltz degree in two additional years of full-time successful study. However, if a complete change of major is made, it may take longer to complete the degree. Certain specialized fields such as electrical engineering, education, and music therapy may require additional studies beyond the normal four semesters. Finally, due to budgetary restrictions and increased demand for certain select majors, both native students and transfer students may, in some instances, require additional time in which to complete degree requirements because of more limited availability of certain coursework.

Q. Is there any additional information or advice available to me as a student transferring to New Paltz?

A. Yes, there are many sources. First, to help you make a well-informed decision, New Paltz provides an "Advisor in Residence" on the Orange campus one day each month to assist in the process of program planning and transfer. In addition, the Undergraduate Admissions Office provides all accepted applicants with a transfer credit evaluation. This evaluation summarizes the total number of credits which will be accepted in transfer to New Paltz, and shows specifically how your credits will be applied to general degree requirements.

You should also discuss your plans with a Orange advisor and the transfer/career planning and placement office at Orange.

Q. How do I obtain financial aid?

A. Financial Aid is available to eligible transfer students to help defray the costs of tuition, fees, room, and board at New Paltz. Information on how and when to apply for each of the available financial aid programs is sent to each transfer student at the time of acceptance.

Q. Is housing available on the New Paltz campus?

A. Yes. There are thirteen residence halls on the New Paltz campus. Four residence halls maintain a 24-hour quiet policy, which is a good arrangement for those students who prefer to study in their rooms rather than in the library.

Housing on campus can be very limited, so it is recommended that transfer students apply early and adhere to all application deadlines.

Some off-campus housing is available in the Village of New Paltz, but off-campus space in apartments and private homes is usually very difficult to obtain.

SUNY NEW PALTZ: A BRIEF PERSPECTIVE

Character: Very competitive, four year regional university; co-educational; residential; publicly assisted; liberal arts/sciences/professional/technical studies.

Founded: 1828 as the New Paltz Academy.

Location: New Paltz, New York; small, historic village (pop. 8,600) in mid-Hudson region; midway between Albany and New York City.

Main Campus: 216 acres; 59 major buildings including residence halls.

Ashokan Field Campus: 376 acre environmental and historical education center located on the Ashokan Reservoir.

University Calendar: Two, 14 week semesters, three summer sessions. Scheduled university closings: all university offices closed for state/federal holidays and weekends. Class schedule published each semester in the Schedule of Classes and on the university web site "www.newpaltz.edu". Bad weather delays and/or class cancellations posted with local/regional media.

University Enrollment (2001–2002): Undergraduate: Full-time 5,172, Part-time 910
Graduate: Full-time 438, Part-time 1,348.

Student Geographic Distribution: 91% from New York State, 5% Out-of-State, 4% International, 45% from mid-Hudson Valley.

Student Diversity: 19.7% under-represented students (7.7% African-American, 8.4% Latino, 3.4% Asian-Pacific, .2% Native American).

Residence Life: 13 residence halls (2,500 capacity); several residence halls contractual study halls; Residence life program cited for excellence nationally twice in the 1990's.

University Activities: Over 130 recognized student organizations, 23 fraternities/sororities. Year round schedule of artistic, cultural, educational, and athletic events.

University Athletics: NCAA Division III, ECAC, SUNYAC, NYSWCAA

Baseball (M)	Softball (W)
Basketball (M/W)	Swimming/Diving (M/W)
Cross Country (M/W)	Tennis (M/W)
Field Hockey (W)	Indoor Track & Field (M/W)
Lacrosse (W)	Outdoor Track & Field (M/W)
Soccer (M/W)	Volleyball (M/W)

Intercollegiate club men's Ice Hockey—member of Metropolitan Collegiate Hockey Conference.

University Staff: Faculty: Full-time 288
87% have Ph.D. or terminal degree in their discipline
34 Faculty - SUNY Chancellor's Award for Excellence in Teaching
3 Faculty - SUNY Distinguished Professors
2 Faculty - SUNY Distinguished University Faculty
Part-time 270

Professional Staff: 187
Support Staff: 356
College Auxiliary Services: 145
SUNY Research Foundation: 100
Total University Staff: 1,346

Undergraduate Programs Offered: Over 100 programs within: College of Liberal Arts & Sciences, School of Physical Sciences & Engineering, School of Business Administration, School of Fine & Performing Arts, School of Education. Unique offerings: Seven year medical program; seven year doctor of optometry program, university Honors program, extensive international education program (overseas study) including Freshmen Semester In England program. Degrees offered: BA, BS, BFA, BSN, BSEE.

Graduate School Programs Offered: Over 50 programs leading to masters degree, 4 programs leading to pre-doctoral degree, one doctoral degree. Degrees offered: MA, MS, MFA, MST, MAT, MS in Education, Certificate of Advance Study, Ed.D with SUNY Albany.

Accreditations: Middle States, New York State Education Department, Art, Art Education, Art History, Communication Disorders, Computer Science, Engineering, Jazz Studies, Music, Music Therapy, Nursing, and Theatre.

Computer Availability: Hundreds of microcomputers in academic buildings and residence halls; all residence hall rooms have computer & Internet access.

Library: Sojourner Truth Library

- 525,000 volumes in open stack
- 1.4 Million items in all varieties of microform and CD-Rom
- 1,477 periodical subscriptions
- Online catalog system
- Subscribes to a variety of online research services
- Specialized collection in international studies, art and education
- Seating for 1,100

Faculty/Student Ratio: 1/17

Undergraduate Class Size: 80% of classes average between 20–35 students.

Annual Expenses: Undergraduate Tuition:	Graduate Tuition:
\$3,400 in-state (full-time)	\$5,450 in-state (full-time)
\$8,300 out-of-state (full-time)	\$8,770 out-of-state (full-time)
\$137 per credit (part-time)	\$351 per credit (part-time)
Fees: \$600 (full-time)	
Room: \$3,300	
Board: \$2,300	

Undergraduate Admission: Freshmen: Competitive +
Listed in 1998,1999, 2000, 2001 US News & World Report College Guide as one of most selective regional universities in the northeast. Listed in Time/Princeton Review-College Guide 2000 as among 500 best colleges/universities across the nation.

Class of 2004:	High School Average:	Middle 50%: 85–92.5, Mean: 88.0%
	SAT I Composite:	Middle 50%: 1050–1250 Mean: 1140
	Rank in Class:	Top 10%: 13%, Top 25%: 47.0%, Top 50%: 91.0%
	Acceptance Rate:	41.0% 9,617 applied, 3,406 accepted 923 paid enrollment deposit 100% of target class (925)

(Class of 2004:) Transfer: Mean GPA: 3.08,
Acceptance Rate: 49.0%
2,466 applied
1,106 accepted
717 paid enrollment deposit
108% of target class (600)

WHAT'S NEW

Newly Constructed and Open:	Faculty Office Building Samuel Dorsky Museum of Art Esopus Residence Hall Charles Cook Child Care Center
Completed Renovations:	Hopfer Alumni and Admissions Center University Bookstore Sojourner Truth Library School of Business Building
Under Renovation:	Student Wellness Center
Planned Construction:	Lenape Residence Hall Performance Gym Outdoor track and turf field with lights
Planned Renovation:	Kirk Planetarium VandenBerg Learning Center Smiley Fine Arts Building

UNDERGRADUATE PROGRAMS

COLLEGE OF LIBERAL ARTS & SCIENCES

Anthropology
Asian Studies
Biology
Organismal & Environmental
Biology*
Cell/Molecular Biology &
Biotechnology*
Pre-Health Sciences Advising
Seven-Year Medical Program
Seven-Year Optometry Program
2+2 Environmental Science Program
with SUNY ESF
BS/MS Environmental Science
Program with SUNY ESF
Black Studies
Communication
Public Communication*
Organizational Communication*
Interpersonal/Intercultural
Communication
Public Relations*
Communication Disorders
Economics
Business Economics*
International Economics*
Electronic Media
English
Creative Writing*
Foreign Languages
French
German
Spanish
Geography
History
Jewish Studies*
International Relations
Journalism
Latin American Studies
Nursing (Upper division transfer
program—RN required)
Philosophy
Religious Studies*
Political Science
Psychology
Psychobiology*
Sociology
Direct Care*
Women's Studies

SCHOOL OF EDUCATION

Early Childhood Education (B-2)
Childhood Education (1-6)
Special Education & Childhood
Education (BS/MS) (1-6)
Adolescence Education (7-12)
Biology
Chemistry
Earth Science
English
Foreign Languages
Mathematics
Physics
Social Studies

SCHOOL OF FINE AND PERFORMING ARTS

Art
Ceramics (BFA)
Graphic Design (BFA)
Metals (BFA)
Painting (BFA)
Photography (BFA)
Printmaking (BFA)
Sculpture (BFA)
Art Education
Art History
Music
Performance*
Theory & Composition*
Jazz Studies*
Music Therapy
Scenography (BFA)
Theatre Arts
Performance*
Design/Technical Studies*
Visual Arts

SCHOOL OF BUSINESS ADMINISTRATION

Accounting
Business Administration
Finance*
General Business*
International Business*
Marketing*
Management*

SCHOOL OF PHYSICAL SCIENCES AND ENGINEERING

Chemistry
Biochemistry*
Biotechnology*
Computer Engineering
Computer Science
Electrical Engineering
Geology
Environmental Geoscience*
Environmental Earth Science*
Mathematics
Physics

MINORS

Art
Arts Administration
Asian Studies
Astronomy
Catskill Mountain &
Hudson River Studies
Environmental Science
Italian Studies
Jewish Studies
Law and Politics
Linguistics
Native American Studies
Religious Studies
Russian Language & Literature
Russian Studies
Urban Studies

*Concentration within the major

MAJOR PROGRAMS

The major programs listed in the sections that follow show the courses a student may take at Orange County Community College and which may also be applied to the major at New Paltz. In addition, most of the Orange courses not listed here will be accepted in transfer by New Paltz as general elective credit toward the degree. Remedial/developmental courses do not transfer.

Within existing majors a number of emphases further extend student choices. For example, within the English major a student may select the comparative literature or creative writing track. The communications major may select a concentration in public communication, organizational communication, interpersonal-intercultural communication, or electronic media. Music majors may concentrate in applied music, music history and literature, music theory and composition, or music therapy. Geological sciences offer an applied/environmental geology option. Within chemistry a biochemistry emphasis is available, and in the business program concentrations in management, marketing, finance, or international business are available, as well as a CPA approved accounting major. Students should consult the New Paltz catalog for details of other major programs.

ANTHROPOLOGY

The New Paltz Anthropology Department offers a range of coursework dealing with the evolution of humans, the development and diversity of human cultures, as well as the study of family and social organizations, political systems, and religious systems. The department also sponsors a seven-week field study for students to participate in an actual archaeological excavation.

Students may pursue a major or minor in Anthropology in the College of Liberal Arts & Science. They may also select Anthropology courses to be used towards the adolescence (7-12) education social studies major. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
27208 Human Evolution	07301 Human Evolution
27209 Archaeology and Prehistory	07213 Introduction to Archaeology
27220 Cultural and Social Anthropology	07214 Cultural Anthropology

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

ART EDUCATION

The Art Education Department offers a program leading to the Bachelors of Science degree. Upon completion of the program, students are eligible for initial New York State certification to teach art in the public schools, grades K-12.

The Art Education program provides a concentration, which includes work in studio art and art history, child and adolescent psychology, curriculum development, philosophical and theoretical approaches to art education, and critical and evaluative analysis in art education. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
41101 History of Art I	11201 Art of the Western World I
41102 History of Art II	11202 Art of the Western World II
41103 Drawing I	09100 Drawing I: Visual Thinking I

41111 Figure Drawing I	09101 Drawing II: Visual Thinking II
41105 Design I	} _____ 09102 Integrated Design I: Space and Form
AND	
41106 Design II	

09103 Integrated Design II: Forces must be taken at New Paltz to complete the required introductory courses.

A grade of 'B' is required for each course in the foundation sequence (Drawing I: Visual Thinking I, Drawing II: Visual Thinking II, Integrated Design I: Space and Form, Integrated Design II: Force).

In addition, art education students must complete a series of courses in education, art education, and a specialization in art. See New Paltz catalog for details. Art Education courses are not available at Orange, and must be taken at New Paltz. Some of the art studio courses which comprise the specialization in art may be taken at Orange. See section on ART STUDIO for details.

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

ART HISTORY

The Department of Art History offers courses in the history of painting, sculpture, architecture, graphic and decorative arts, design, photography and film. A major in this department requires 33 credits of Art History courses and leads to the B.A. degree. Students contemplating advanced study in art history are strongly urged to take a foreign language, preferably French or German.

Students in the B-2 Early Childhood and 1-6 Childhood Education programs may select an Art History concentration as part of the education curriculum. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
41101 History of Art I	11201 Art of the Western World I
41102 History of Art II	11202 Art of the Western World II
41109 Modern Art in the 20th Century	11358 Early Twentieth-Century Art
41120 Women in Art History*	No corresponding course*
41100 American Art 1700 to 1945	11382 American Art
37221 Architecture through the 18th Century*	No corresponding course*
37222 Architecture through the 19th Century	11372 Introduction to 20th Century Architecture

**May be used as elective credit toward the New Paltz Art History major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

ART STUDIO

Students seeking an undergraduate degree in art may pursue one of the following programs:

- (1) Bachelor of Fine Arts (B.F.A.) in Art Studio, with a concentration in either ceramics, metal, painting, printmaking, graphic design, photography, or sculpture.
- (2) Bachelor of Arts (BA) or Bachelor of Science (B.S.) in Visual Arts. The program is served by a large staff of practicing artists.

SUNY New Paltz courses numbering 09100, 09101, 09102 and 09103 are requirements common to all of the above programs. The remaining courses listed here are required or electives depending upon the concentration the student selects. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
<i>Required courses for all art majors:</i>	
41103 Drawing I	09100 Drawing I: Visual Thinking I
41111 Figure Drawing I	09101 Drawing II: Visual Thinking II
41105 Design I	09102 Integrated Design I: Space and Form
AND	
41106 Design II	
41101 History of Art I	11201 Art of the Western World I
41102 History of Art II	11202 Art of the Western World II
41109 Modern Art in the 20th Century	11358 Early Twentieth-Century Art

09103 Integrated Design II: Forces must be taken at New Paltz to complete the required introductory courses.

A grade of 'B' is required for each course in the foundation sequence (Drawing I: Visual Thinking I, Drawing II: Visual Thinking II, Integrated Design I: Space and Form, Integrated Design II: Force)

Select courses based on a specific art concentration:

41104 Drawing II*	No corresponding course*
41107 Painting I*	09240 Basic Painting*
41108 Painting II*	09343 Intermediate Painting*
41110 Color*	No corresponding course*
41112 Figure Drawing II*	09301 Advanced Drawing*
41115 Visual Communications & Graphics Design I*	No corresponding course*
41116 Visual Communications & Graphics Design II*	No corresponding course*
41117 Visual Communications & Graphic Design III*	09205 Computer Aided Graphic Design*
41131 Photography I*	09250 Basic Photography*
41132 Photography II*	No corresponding course*
41200 Portrait Painting*	No corresponding course*
41207 Painting III*	No corresponding course*
41208 Painting IV*	No corresponding course*

*REVIEW REQUIRED: All courses taken beyond the freshman year sequence must be reviewed by appropriate option faculty through portfolio submission prior to equivalency credit being granted. Coursework not so credited will be considered art electives or general elective credit toward the degree. See Transfer Art Portfolio information.

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

ASIAN STUDIES

Although Orange does not offer Asian Studies courses, an Asian Studies major is available at New Paltz for those transfer students who wish to pursue one.

The major and minor in Asian Studies is designed to provide students with a broad working knowledge of the region's history, geography, language and culture. Students pursuing this major will embark on 36 credits of

interdisciplinary courses offered through the following departments: Anthropology, English, Foreign Language, Geography, History, Philosophy, and Political Science. Students are also required to complete at least two years of Chinese or Japanese language.

The minor consists of 18 credits and at least one year of either language, along with courses selected through advisement.

One-half of the credits in the major must be completed at New Paltz.

BIOLOGY

Biology encompasses a number of fields that range from molecular and cell biology on one hand to environmental studies and animal behavior on the other. In addition to extensive classroom and laboratory facilities, the Biology Department maintains both scanning and transmission electron microscope facilities. The surrounding area provides an excellent setting for field biology courses.

Students may major in liberal arts Biology with concentrations in (1) Organismal/Environmental Biology, (2) Cell/Molecular Biology and Biotechnology, or they may select a biology major in childhood or adolescence education programs. Any of the liberal arts biology major concentrations provide the necessary course work for entrance into the pre-medical professions. (See PRE-MEDICAL PROFESSIONS section of this booklet).

The New Paltz courses numbered 15201 and 15202 are required for any of the above major programs. The other courses listed are electives or required for the major, depending upon the specific program. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
31101 General Biology I	15201 General Biology I
31102 General Biology II	15202 General Biology II
33201 Comparative Vertebrate Anatomy	15307 Comparative Vertebrate Anatomy
31212 Genetics	15320 Genetics
63209 General Microbiology	15350 General Microbiology
32203 Plant Structure and Function	15311 Developmental Plant Anatomy
32204 Plant Diversity	15305 Plant Morphology
34105 General Chemistry I	22201 General Chemistry I
34106 General Chemistry II	22202 General Chemistry II
34201 Organic Chemistry I	22318 Organic Chemistry I
34202 Organic Chemistry II	22319 Organic Chemistry II
35105 General Physics I with Calculus	75201 General Physics I
38112 Introduction to Statistics	64241 Introductory Statistics
38205 Calculus I	64251 Calculus I
<i>Electives:</i>	
31112 Avian Biology	15381 Introduction to Ornithology
31115 Environmental Conservation	15513 Conservation of Natural Resources
31120 Field Biology	15302 Field Biology Fall or Spring
31201 Study of Biological Habitats*	No corresponding course
32201 Animal Structure and Function	15315 Vertebrate Zoology
32202 Zoology*	No corresponding course*
63106 Microbiology for Health Professionals*	No corresponding course*
63212 Clinical Microbiology*	No corresponding course*
63216 Microtechnique and Microanatomy*	No corresponding course*
63303 Serology/Immunology*	No corresponding course*

**May be used as elective credit toward the New Paltz Biology major where applicable.*

EARLY CHILDHOOD (B-2)/CHILDHOOD (1-6) BIOLOGY

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
31101 General Biology I	15201 General Biology I
31102 General Biology II	15202 General Biology II
31212 Genetics	15320 Genetics
31120 Field Biology	15302 Field Biology Fall or Spring
<i>Select one:</i>	
33201 Comparative Vertebrate Anatomy	15307 Comparative Vertebrate Anatomy
32204 Plant Diversity	15305 Plant Morphology
<i>Select one elective:</i>	
63209 General Microbiology	15350 General Microbiology
31115 Environmental Conservation	15513 Conservation of Natural Resources
31112 Avian Biology	15381 Introduction to Ornithology
32201 Animal Structure and Function	15315 Vertebrate Zoology
32203 Plant Structure and Function	15311 Developmental Plant Anatomy

ADOLESCENCE (7-12) BIOLOGY

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
31101 General Biology I	15201 General Biology I
31102 General Biology II	15202 General Biology II
31212 Genetics	15320 Genetics
34105 General Chemistry I	22201 General Chemistry I
34106 General Chemistry II	22202 General Chemistry II
34201 Organic Chemistry I	22318 Organic Chemistry I
34202 Organic Chemistry II	22319 Organic Chemistry II
38205 Calculus I	64251 Calculus I
36110 Physical Geology	50220 Physical Geology
<i>Select one:</i>	
38112 Introduction to Statistics	64241 Introductory Statistics
38206 Calculus II	64252 Calculus II
38210 Computer Science I	25210 Computer Science I: Foundations
AND	
38211 Computer Science II	
<i>Select one:</i>	
33201 Comparative Vertebrate Anatomy	15307 Comparative Vertebrate Anatomy
32204 Plant Diversity	15305 Plant Morphology

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

BLACK STUDIES

The Black Studies Department seeks to provide a more thorough and accurate treatment of the history of Black people in America. It examines the impact of current economic, social and political forces that shape the Black experience and contributes to a basic understanding of the special problems faced by Black people

in contemporary American life. The major provides an opportunity to study the artistic expressions of Black people, for research and creative activity in Black studies, both on campus and in the community. In its comprehensive approach, and as a complement to more traditional majors, the Department of Black Studies seeks to prepare students for most professional careers outside the science fields.

Students in the B-2 Early Childhood and 1-6 Childhood Education programs may select a Black Studies history or literature concentration as part of the education curriculum. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
23130 History of the African American	17202 Black History II
11230 African-American Literature*	17267 Survey of Black American Literature*
23120 Africa Past and Present*	17200 Introduction to Africa*

**May be used as elective credit toward the New Paltz Black Studies major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

BUSINESS ADMINISTRATION

The School of Business at SUNY New Paltz offers a B.S. in Business Administration, which is designed to effectively prepare students for today's dynamic, global business environment by providing a strong foundation in theory and practice. We continually encourage students to develop their skills in written and oral communication, political and social issues, ethics and quantitative problem solving and group dynamics. A student majoring in Business Administration must select a concentration area in finance, international business, general business, management, or marketing.

The School of Business also offers a B.S. in Accounting which is designed to prepare students to enter the field of public accounting or to assume accounting positions in government, industry, and other organizations. Graduates of this program will have to meet the educational requirements to sit for the NYS CPA exam, CMA, CIA and NYS Civil Service examinations. The Accounting program consists of 63 credits. It includes 39 credits in the business core and 24 credits in accounting and business law. Accounting students must also complete College Algebra as a minimum mathematics requirement.

Admission to the Business Administration program (all concentrations) is restricted to students who have met a grade point average requirement and have completed certain core courses with specified minimum grades in those courses. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

BACHELOR OF SCIENCE IN ACCOUNTING

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
21201 Introduction to Macroeconomics	33207 Macroeconomics
21202 Introduction to Microeconomics	33206 Microeconomics
55133 Financial Accounting OR 55131 Accounting Principles I AND 55132 Accounting Principles II 55134 Managerial Accounting 55231 Intermediate Accounting I	20201 Financial Accounting 20202 Managerial Accounting 20368 Intermediate Accounting I (with a grade of B- or better)

55216 Principles of Management
 55122 Principles of Marketing
 55221 Business Law I
 55222 Business Law II

20250 Principles of Management
 20325 Marketing
 20271 Legal Environment of Business
 20272 Business Law for Accountants

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

FINANCE

21201 Introduction to Macroeconomics
 21202 Introduction to Microeconomics
 55133 Financial Accounting
 OR
 55131 Accounting Principles I
 AND
 55132 Accounting Principles II
 55134 Managerial Accounting
 55231 Intermediate Accounting I

33207 Macroeconomics
 33206 Microeconomics

20201 Financial Accounting

20202 Managerial Accounting
 20368 Intermediate Accounting I
 (with a grade of B- or better)

55216 Principles of Management
 55122 Principles of Marketing
 55221 Business Law I

20250 Principles of Management
 20325 Marketing
 20271 Legal Environment of Business

GENERAL BUSINESS

21201 Introduction to Macroeconomics
 21202 Introduction to Microeconomics
 55133 Financial Accounting
 OR
 55131 Accounting Principles I
 AND
 55132 Accounting Principles II
 55134 Managerial Accounting
 55216 Principles of Management
 55122 Principles of Marketing
 55221 Business Law I
 55121 Introduction to International Business
 55246 Human Resource Management

33207 Macroeconomics
 33206 Microeconomics

20201 Financial Accounting

20202 Managerial Accounting
 20250 Principles of Management
 20325 Marketing
 20271 Legal Environment of Business
 20346 International Business
 20345 Human Resource Management

INTERNATIONAL BUSINESS

21201 Introduction to Macroeconomics
 21202 Introduction to Microeconomics
 55133 Financial Accounting
 OR
 55131 Accounting Principles I
 AND
 55132 Accounting Principles II
 55134 Managerial Accounting
 55216 Principles of Management
 55122 Principles of Marketing
 55221 Business Law I
 55121 Introduction to International Business
 55246 Human Resource Management

33207 Macroeconomics
 33206 Microeconomics

20201 Financial Accounting

20202 Managerial Accounting
 20250 Principles of Management
 20325 Marketing
 20271 Legal Environment of Business
 20346 International Business
 20345 Human Resource Management

NOTE: Language proficiency through the Intermediate II Level in one language is required in this concentration. Orange offers a four semester sequence in the following languages: French and Spanish.

Students in the International Business concentration must select three courses in a given region of the world to meet the Area Studies Elective category. As much as is possible, the courses in this category should be consistent with the foreign language selected to meet International Business concentration requirements. See the New Paltz catalog for a complete listing of Area Studies courses.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
MANAGEMENT	
21201 Introduction to Macroeconomics	33207 Macroeconomics
21202 Introduction to Microeconomics	33206 Microeconomics
55133 Financial Accounting	20201 Financial Accounting
OR	
55131 Accounting Principles I	
AND	
55132 Accounting Principles II	
55134 Managerial Accounting	20202 Managerial Accounting
55216 Principles of Management	20250 Principles of Management
55122 Principles of Marketing	20325 Marketing
55221 Business Law I	20271 Legal Environment of Business
55121 Introduction to International Business	20346 International Business
55246 Human Resource Management	20345 Human Resource Management
MARKETING	
21201 Introduction to Macroeconomics	33207 Macroeconomics
21202 Introduction to Microeconomics	33206 Microeconomics
55133 Financial Accounting	20201 Financial Accounting
OR	
55131 Accounting Principles I	
AND	
55132 Accounting Principles II	
55134 Managerial Accounting	20202 Managerial Accounting
55216 Principles of Management	20250 Principles of Management
55122 Principles of Marketing	20325 Marketing
55221 Business Law I	20271 Legal Environment of Business
55121 Introduction to International Business	20346 International Business

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

CHEMISTRY

The Chemistry Department at New Paltz offers many advantages to the student interested in majoring in this field. It provides a strong background in general, organic, physical, and analytical chemistry, and offers a variety of courses not generally available at four-year colleges. New Paltz upper-division undergraduates are able to enroll in advanced courses in biochemistry, materials science, and instrumentation. High quality modern equipment is used for instruction and research in student laboratories. The small size of upper-division courses encourages close interaction between faculty and students. In addition, the chemistry faculty sponsor student research.

Two undergraduate programs leading to liberal arts degrees are available: the American Chemical Society (ACS) approved major and a general chemistry major. There are also concentrations in biochemistry and biotechnology. In addition, students in the adolescence (7-12) teacher certification program may select a chemistry major as part of the education curriculum. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
34105 General Chemistry I	22201 General Chemistry I
34106 General Chemistry II	22202 General Chemistry II
34201 Organic Chemistry I	22318 Organic Chemistry I
34202 Organic Chemistry II	22319 Organic Chemistry II
35105 General Physics I with Calculus	75201 General Physics I
35106 General Physics II with Calculus	75202 General Physics II
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II
<i>Biochemistry Emphasis only:</i>	
31101 General Biology I	15201 General Biology I
31102 General Biology II	15202 General Biology II
31212 Genetics	15320 Genetics
<i>Biotechnology Emphasis only:</i>	
31101 General Biology I	15201 General Biology I
31212 Genetics	15320 Genetics
63209 General Microbiology	15350 General Microbiology

**May be used as an elective credit toward the New Paltz Chemistry major where applicable.*

ADOLESCENCE (7-12) CHEMISTRY

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
34105 General Chemistry I	22201 General Chemistry I
34106 General Chemistry II	22202 General Chemistry II
34201 Organic Chemistry I	22318 Organic Chemistry I
34202 Organic Chemistry II	22319 Organic Chemistry II
31101 General Biology I	15201 General Biology I
36110 Physical Geology	50220 Physical Geology
35105 General Physics I with Calculus	75201 General Physics I
35106 General Physics II with Calculus	75202 General Physics II
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

COMMUNICATION DISORDERS

The Department of Communication Disorders offers two major programs: a liberal arts major and a speech education major. The liberal arts major (588) requires 48 credits and prepares students for graduate study in speech-language pathology, audiology, and related areas. The speech education major (788) has just been re-registered to meet the new New York State requirements for the Initial Certificate as a Teacher of Students with Speech and Language Disabilities. This unique program is linked to the graduate program in Speech-Language Pathology. Please see the New Paltz catalog for details.

All students must enter the liberal arts major (588) initially, usually in the fall semester of the junior year. The minimum GPA for declaration of the major is 2.8. (If the GPA is between 2.5 and 2.8, the student may request

permission from the Department Chair to take the fall core courses). Admission to the Certification track major (788) is by application only during the spring of the junior year.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
25121 Child Psychology	80343 Psychology of Infancy & Childhood (required course in the 788 major only)
<i>Select one:</i>	
13110 Fundamentals of Speech Communication	90202 Interpersonal Communication
13111 Oral Interpretation	90213 Performance of Literature
13210 Public Speaking	90104 Public Speaking

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

COMMUNICATION AND MEDIA

The Department of Communication and Media offer several major programs with special tracks within each: Communication Studies includes emphases in Interpersonal /Intercultural Communication, Organizational Communication, Public Communication and Public Relations.

The Journalism major offers students theoretical understanding and the practical skills necessary to succeed in today's news media (See the JOURNALISM section of this booklet).

The Electronic Media major 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.

Students electing the ELECTRONIC MEDIA PRODUCTION SEQUENCE must complete a minimum of two production courses within the New Paltz program. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
COMMUNICATION STUDIES	
13210 Public Speaking	90104 Public Speaking
13115 Intercultural Communication*	90359 Communication Among Cultures*
55115 Principles of Advertising*	90221 Introduction to Advertising*
<i>Select two electives:</i>	
13110 Fundamentals of Speech Communication	90202 Interpersonal Communication
13111 Oral Interpretation	90213 Performance of Literature
13112 Debate	90357 Argumentation

**May be used as elective credit toward the New Paltz Communication Studies major where applicable*

ELECTRONIC MEDIA	
13116 Introduction to Radio and Television*	No corresponding course*
13201 Television Production I	90340 Studio Video Production

13202 Television Production II*
55115 Principles of Advertising*

No corresponding course*
90221 Introduction to Advertising*

Select one:

13112 Debate
13210 Public Speaking

90357 Argumentation
90104 Public Speaking

**May be used as elective credit toward the New Paltz Electronic Media major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

COMPUTER SCIENCE

The Department of Computer Science at New Paltz offers a liberal arts major in computer science and the Math Department offers a major in Mathematics with a concentration in Computer Science.

Transfer students from a two-year degree program in Computer Science which includes several semesters of college-level mathematics (calculus or above) and at least three courses in Computer Science can usually complete the major in Computer Science in two years. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
38210 Computer Science I AND 38211 Computer Science II 38212 Data Structures 38231 Computer Organization and Assembly Language 38205 Calculus I 38206 Calculus II	25210 Computer Science I: Foundations 25310 Computer Science II: Data Structures 25325 Computer Organization and Assembly Language Programming 64251 Calculus I 64252 Calculus II
<i>Select one science sequence:</i> 34105 General Chemistry I 34106 General Chemistry II OR 35105 General Physics I with Calculus 35106 General Physics II with Calculus	22201 General Chemistry I 22202 General Chemistry II OR 75201 General Physics I 75202 General Physics II

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

ECONOMICS

New Paltz offers a B.A. and a B.S. in Economics which is designed to incorporate a liberal arts education with a strong background in economics. In addition to the core requirements of the Economics program, students have the option of concentrating in Business Economics, International Economics or they may choose a general Economics program. The Economics program requires 42–43 credits. A minimum of College Algebra is required in the Economics program. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

21201 Macro-Economics	33207 Macroeconomics
21202 Micro-Economics	33206 Microeconomics
21206 Economic Development*	No corresponding course*

*May be used as elective credit toward the New Paltz Economics major.

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

EDUCATION

SUNY New Paltz offers undergraduate programs leading to certification in the following fields:

- *Early Childhood (B–2), Childhood (1–6) and Special/Childhood Education (1–6)
- * Adolescence (7–12)
- *Art (K–12) (See ART EDUCATION)
- *Speech and Hearing Handicapped (See COMMUNICATION DISORDERS section)

All of the above programs include intensive fieldwork in public schools and/or specialized institutions depending on the certification area selected.

EARLY CHILDHOOD (B–2) AND CHILDHOOD EDUCATION (1–6)

Students electing either childhood education certification programs must, in addition to, or as part of, the A.A. or A.S. degree, complete specific liberal arts coursework prerequisite to the curriculum, as well as choosing a liberal arts major.

Prerequisite liberal arts coursework includes:

- * 64140 Math for Elementary School Teachers
- * 64240 Geometry: A Modern Introduction
- * 48273 Basic Physical Geography
- * Two semesters of college level foreign language
- * 38371 Child Psychology and Development
- * 38340 Social and Philosophical Foundations of Education
- * 35370 Introduction to the Education of Diverse Populations in Early Childhood and Elementary School Settings.

* A Liberal Arts major selected from:

Art History (30 credits)	Geography (30 credits)
Biology (31–35 credits)	History (30 credits)
Black Studies—History/Lit. (30 credits)	Mathematics (34 credits)
Earth Science (36 credits)	Political Science (36 credits)
English (30 credits)	Spanish (30–36 credits)
French (30–36 credits)	Women's Studies—Literature (31 credits)

One half of the credits in the liberal art major/concentration must be completed at New Paltz. After meeting all criteria as listed above, as well as maintaining the grade point average required, students may enter the Professional Semester, and subsequently Student Teaching (See New Paltz catalog for details).

JOINTLY REGISTERED TEACHER EDUCATION PROGRAM

Students entering Orange County Community College may elect to be part of the Jointly Registered Teacher Education Program with SUNY New Paltz. This program is designed to facilitate the transfer of students preparing to become certified teachers in B-2 and 1-6 from Orange County Community College to SUNY New Paltz. The advantages of this program include the fact that transfer students can complete the childhood education program in four years (two at Orange and two at New Paltz) and are also eligible for scholarships designated for education majors.

Students admitted to the jointly registered program are simultaneously admitted to SUNY New Paltz. Beginning Fall 2002 all JRTEP students must complete the A.S./A.A degree, achieve a 2.75 grade point average and complete a separate application/interview with the School of Education advisor, to be admitted to SUNY New Paltz. Students must also maintain a grade point average of 2.75 their first semester at New Paltz to be admitted to the Professional Semester.

Students interested in this program must meet with the designated Orange Community College advisor before initial registration.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
22120 Elements of Physical Geography	48273 Basic Physical Geography
25121 Child Psychology	38371 Child Psychology & Development
38111 Foundations of Elementary School Mathematics	64140 Mathematics for Elementary School Teachers
71103 Introduction to Early Childhood Education	35370 Introduction to the Education of Diverse Populations in Early Childhood and Elementary School Settings

NOTE:

1. All childhood (B-2/1-6) education students must complete one year of college-level study of a language other than English. See the FOREIGN LANGUAGE section of this booklet for Orange/New Paltz equivalencies. Sign Language I and II for AA/AS holders is acceptable in meeting this requirement.
2. For equivalent coursework in the various liberal arts majors see the appropriate sections of this booklet and the New Paltz catalog.

Students must successfully pass the Liberal Arts and Sciences test (LAST), the Assessment of Teaching Skills—Written (ATS-W) and the Content Specialty Test (CST) of the New York State Teacher Certification Examination in order to be eligible for initial certification. Additional testing in the Assessment of Teaching Skills—Performance (ATS-P) is required for professional certification. These regulations are changing based on the new standards. Check with your education advisor for NYSTCE requirements.

ADOLESCENCE EDUCATION (7-12)

The Adolescence Education department requires a 2.75 grade point average and achievement of a “B” or better in both Freshman English I and Freshman English II. Students seeking 7-12 certification must also major in one of the following disciplines:

Biology (65-72 credits)	French (36-48 credits)
Chemistry (56-59 credits)	Mathematics (47-48 credits)
Earth Science (59-65 credits)	Social Studies (45 credits)
English (42 credits)	Spanish (36-48 credits)

In addition to coursework required in the academic discipline (See appropriate sections of this booklet for equivalencies), one year of college level study of a language other than English, and a series of education courses is also required. Orange offers the following equivalent coursework.

25122 Psychology of Adolescence

38372 The Developing Adolescent

NOTE:

1. All adolescence (7–12) students must complete one year of college level study of a language other than English. See the FOREIGN LANGUAGE section of this booklet for Orange/New Paltz equivalencies. Sign Language I and II for AA/AS holders is acceptable in meeting this requirement.

2. For equivalent coursework in the various liberal arts majors see the appropriate sections of this booklet and the New Paltz catalog.

Students must successfully pass the Liberal Arts and Sciences test (LAST), the Assessment of Teaching Skills—Written (ATS-W) and the Content Specialty Test (CST) of the New York State Teacher Certification Examination in order to be eligible for initial certification. Additional testing in the Assessment of Teaching Skills—Performance (ATS-P) is required for professional certification. These regulations are changing based on the new standards. Check with your education advisor for NYSTCE requirements.

ELECTRICAL AND COMPUTER ENGINEERING

The Department offers comprehensive programs in Electrical Engineering and Computer Engineering. The Electrical Engineering program is accredited by the Engineering Accreditation Commission (E.A.C.) of the Accreditation Board for Engineering and Technology (A.B.E.T.). The Computer Engineering program will be eligible for accreditation by the E.A.C. of A.B.E.T. once the first computer engineering major is graduated.

Electrical and Computer Engineering continue to be the growth programs in the field of engineering due to a rapidly changing technological society and expanding industrial needs. The program at SUNY New Paltz is designed to meet these needs generally, and more specifically the needs of the Mid-Hudson Valley. Engineering students graduate with a high level of technical competence combined with a liberal arts education that helps to develop managerial or research potential. Demonstrating its commitment to the liberal arts and sciences, the university has designed a curriculum to insure that engineering students will have a solid background in the humanities and social sciences to complement their professional studies, and to provide them with the knowledge and skill necessary to adapt to a changing world.

A key feature of engineering at New Paltz is the close working relationship the university enjoys with local high technology industry. The interest and support of industry inspired the development of the program and now ensure that it continues to be relevant to expanding and changing industrial needs.

The flexible engineering curriculum is designed to serve full and part-time students, both traditional and non-traditional. The curriculum serves students new to the engineering field as well as those who have had some experience in technical areas.

Engineering students are educated in mathematics and the sciences under the direction of faculty from appropriate departments, while engineering courses are taught by engineering faculty. Students are prepared for research, development, and management positions or for further study of engineering at the graduate level in a research oriented atmosphere.

The Electrical Engineering and Computer Engineering curriculums consist of a humanities/social sciences component, a pre-engineering phase and upper division engineering coursework. It should be noted that because of A.B.E.T. accreditation, the engineering program requires a different, and more specific, liberal arts component than is required by other programs. For details of credits required in each component mentioned above, refer to the New Paltz catalog. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
11101 Freshman English I	41160 Freshman Composition 1
11102 Freshman English II	41180 Freshman Composition 2
34105 General Chemistry 1	22201 General Chemistry
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II
38206 Calculus III	64353 Calculus III
38208 Differential Equations and Series	64359 Ordinary Differential Equations
35103 Physics for Science & Engineering I AND	75201 General Physics I AND 75202 General Physics II
35104 Physics for Science & Engineering II AND	
35203 Physics for Science & Engineering III	
38210 Computer Science I AND	25210 Computer Science I: Foundations
38211 Computer Science II	
53101 Introduction to Engineering I AND	47101 Introduction to Engineering Science
53102 Introduction to Engineering II	
53205 Mechanics I AND	75315 Engineering Mechanics
53206 Mechanics II	
51101 Electricity I AND	40209 Circuits Laboratory
51102 Electricity II	
51104 Digital Electronics I	45208 Digital Logic Laboratory
53212 Circuit Theory	40210 Circuit Analysis
51201 Electronics I	40322 Electronics Laboratory I
51202 Electronics II	40323 Electronics Laboratory II
53214 Thermodynamics	75422 Thermodynamics
53218 Materials Science*	No corresponding course*

**May be used as elective credit toward the New Paltz Engineering major where applicable.*

NOTE: A year of a foreign language or equivalent in humanity is required in the engineering program and may be taken at Orange.

Engineering students must complete three liberal art courses, two of which must be considered upper-division. The New Paltz “advisor in residence” should be consulted on coursework that can be taken at Orange to meet the liberal arts requirement.

ENGLISH

The Department of English offers programs designed to give students a knowledge of literary heritage and to develop skills as writers and critics. Within the English major at New Paltz, a student may select one of four options: general liberal arts, graduate preparatory, creative writing, or creative writing for the theater. In addition, students in the childhood (B-2/1-6), or adolescence (7-12) teacher certification programs may select an English major. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
11207 English Literature: 14th Through 18th Century	41301 English Literature I: From Beowulf to 1600
11208 English Literature: 19th and Early 20th Century	41302 English Literature III: 1789 to the Present

11209 American Literature: To The Civil War	41331 American Literature I
11210 American Literature : 1865 to the Present	41332 American Literature II
<i>Select three electives:</i>	
11120 Introduction to Mythology*	No corresponding course*
11203 World Literature: Ancient World Through the Renaissance*	No corresponding course*
11204 World Literature: Enlightenment to the Modern Age*	No corresponding course*
11205 Drama: Ibsen to O'Neill*	No corresponding course*
11206 Drama: Contemporary*	41310 Studies in Modern Drama*
11211 Creative Writing: Fiction* OR	41345 Creative Writing Workshop I*
11212 Creative Writing: Poetry* }	
11215 Shakespeare*	No corresponding course*
11216 Children's Literature*	No corresponding course*
11217 Film and Literature*	41443 Fiction into Film*
11220 Women Writers*	41323 Women in Literature: A Contemporary View*
11221 Contemporary Short Story*	41308 Studies in the Short Story*
11222 Contemporary Novel*	41307 The Novel*
11223 Contemporary Poetry*	No corresponding course*
11225 International Literature: Non-European*	No corresponding course*
11226 Fantasy Fiction*	41306 Modern Fantasy*
11230 African-American Literature*	No corresponding course*
11297A Special Studies in Literature Science Fiction*	41305 Science Fiction*

**May be used as elective credit toward the New Paltz English major where applicable.*

EARLY CHILDHOOD (B-2)/CHILDHOOD (1-6) ENGLISH

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
11207 English Literature: 14th Through 18th Century OR	41301 English Literature I: From Beowulf to 1600
11208 English Literature: 19th and Early 20th Century	41302 English Literature III: 1789 to the Present
11209 American Literature: To The Civil War OR	41331 American Literature I
11210 American Literature : 1865 to the Present	41332 American Literature II
11211 Creative Writing: Fiction OR	41345 Creative Writing Workshop I
11212 Creative Writing: Poetry }	
<i>Select two electives:</i>	
11120 Introduction to Mythology*	No corresponding course*
11203 World Literature: Ancient World Through the Renaissance*	No corresponding course*
11204 World Literature: Enlightenment to the Modern Age*	No corresponding course*
11205 Drama: Ibsen to O'Neill*	No corresponding course*
11206 Drama: Contemporary*	41310 Studies in Modern Drama*
11215 Shakespeare*	No corresponding course*
11216 Children's Literature*	No corresponding course*
11217 Film and Literature*	41443 Fiction into Film*
11220 Women Writers*	41323 Women in Literature: A Contemporary View*

11221 Contemporary Short Story*	41308 Studies in the Short Story*
11222 Contemporary Novel*	41307 The Novel*
11223 Contemporary Poetry*	No corresponding course*
11225 International Literature: Non-European*	No corresponding course*
11226 Fantasy Fiction*	41306 Modern Fantasy*
11230 African-American Literature*	No corresponding course*
11297A Special Studies in Literature Science Fiction*	41305 Science Fiction*

**May be used as elective course toward New Paltz English major/concentration where applicable.*

ADOLESCENCE (7-12) ENGLISH

One-half of the credits in the liberal arts major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
11207 English Literature: 14th Through 18th Century	41301 English Literature I: From Beowulf to 1600
11208 English Literature: 19th and Early 20th Century	41302 English Literature III: 1789 to the Present
11209 American Literature: To The Civil War	41331 American Literature I
11210 American Literature : 1865 to the Present	41332 American Literature II
<i>Select three electives:</i>	
11120 Introduction to Mythology*	No corresponding course*
11203 World Literature: Ancient World Through the Renaissance*	No corresponding course*
11204 World Literature: Enlightenment to the Modern Age*	No corresponding course*
11205 Drama: Ibsen to O'Neill*	No corresponding course*
11206 Drama: Contemporary*	41310 Studies in Modern Drama*
11211 Creative Writing: Fiction* OR	41345 Creative Writing Workshop I*
11212 Creative Writing: Poetry*	
11215 Shakespeare*	No corresponding course*
11216 Children's Literature*	No corresponding course*
11217 Film and Literature*	41443 Fiction into Film*
11220 Women Writers*	41323 Women in Literature: A Contemporary View*
11221 Contemporary Short Story*	41308 Studies in the Short Story*
11222 Contemporary Novel*	41307 The Novel*
11223 Contemporary Poetry*	No corresponding course*
11225 International Literature: Non-European*	No corresponding course*
11226 Fantasy Fiction*	41306 Modern Fantasy*
11230 African-American Literature*	No corresponding course*
11297A Special Studies in Literature Science Fiction*	41305 Science Fiction*

**May be used as elective course toward New Paltz English major/concentration where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

FOREIGN LANGUAGES

Orange students who have taken French, Spanish, or German may continue that study at New Paltz, either as elective courses or as a major in one of those languages. Students in the childhood (B-2/1-6) education programs may select a French or Spanish major, while those in the adolescence (7-12) education program may select a French, Spanish, or German major.

New Paltz also offers language instruction in Chinese, Hebrew, Italian, Japanese, Kiswahili, Latin, and Russian. Other languages, such as Arabic, Polish, Portuguese, Swedish, and Yiddish are offered under the auspices of the Weekend and Summer Language Immersion Programs.

New Paltz regularly offers overseas programs of varying lengths in China, Ecuador, France, Italy, Spain, Russia, and Germany, giving students an excellent opportunity to develop language skills and to learn directly about the target cultures. See New Paltz catalog for details.

NOTE: Students seeking certification in childhood education or adolescence education must complete one year of college level foreign language.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
FRENCH	
44101 Elementary French I	46101 Elementary French I
44102 Elementary French II	46102 Elementary French II
44201 Intermediate French I	46201 Intermediate French I
44202 Intermediate French II	46202 Intermediate French II
44203 Advanced French I	46301 French Composition & Conversation I
44204 Advanced French II	46302 French Composition & Conversation II
GERMAN	
45101 Elementary German I	52101 Elementary German I
45102 Elementary German II	52102 Elementary German II
ITALIAN	
46101-102 Elementary Italian I	59101 Elementary Italian I
46201 Intermediate Italian I	59201 Intermediate Italian I
46202 Intermediate Italian II	59202 Intermediate Italian II
SPANISH	
48101 Elementary Spanish I	89101 Elementary Spanish I
48102 Elementary Spanish II	89102 Elementary Spanish II
48201 Intermediate Spanish I	89201 Intermediate Spanish I
48202 Intermediate Spanish II	89202 Intermediate Spanish II
48203 Spanish Conversation and Composition	89301 Spanish Composition/Conversation I
48204 Introduction to Spanish Literature	89361 Spanish Composition/Conversation II

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

GEOGRAPHY

The department offers a comprehensive liberal arts major to prepare students for graduate study in geography or for employment in fields actively seeking geographers. Students in the childhood (B-2/1-6) programs may select a geography major, while those in the adolescence (7-12) program may select geography courses as part of the social studies major in the education curriculum. Additionally, the department offers a standard minor in geography. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

22110 Human Geography
 22120 Elements of Physical Geography
 38112 Introduction to Statistics

48274 Environment and Culture
 48273 Basic Physical Geography
 64241 Introductory Statistics

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

GEOLOGICAL SCIENCES

Students may pursue a liberal arts major in geology with an optional emphasis in environmental geoscience or environmental geology. In addition, students in the childhood (B-2/1-6) or adolescence (7-12) teacher certification programs may select a geology major as part of the education curriculum.

The department has excellent laboratory and equipment facilities, including a full array of petrographic microscopes, a petrographic thin section preparation facility, complete survey equipment for field geology studies, x-ray diffraction and fluorescence equipment, a microcomputer laboratory, and access to an electron microscope facility. Members of the department encourage capable students to make maximum use of equipment, both in class and in supervised independent research. The department also sponsors field study classes which are important to the study of geology. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

36110 Physical Geology
 36112 Historical Geology
 34105 General Chemistry I
 34106 General Chemistry II
 38205 Calculus I
 35105 General Physics I with Calculus
 35106 General Physics II with Calculus
 38112 Introduction to Statistics

50220 Physical Geology
 50301 Historical Geology
 22201 General Chemistry I
 22202 General Chemistry II
 64251 Calculus I
 75201 General Physics I
 75202 General Physics II
 64241 Introductory Statistics

OR

38206 Calculus II

64252 Calculus II

Environmental Earth Science emphasis only:

36120 Environmental Geology

50205 Environmental Geology

EARLY CHILDHOOD (B-2)/CHILDHOOD (1-6) EARTH SCIENCE

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

37120 Astronomy

12201 Exploring the Solar System
 OR
 12202 Exploring the Universe
 50220 Physical Geology
 50301 Historical Geology
 22201 General Chemistry I

36110 Physical Geology
 36112 Historical Geology
 34105 General Chemistry I

ADOLESCENCE (7-12) EARTH SCIENCE

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

37120 Astronomy	}	12201 Exploring the Solar System
		OR
36110 Physical Geology	}	12202 Exploring the Universe
36112 Historical Geology		50220 Physical Geology
34105 General Chemistry I	}	50301 Historical Geology
34106 General Chemistry II		22201 General Chemistry I
38112 Introduction to Statistics	}	22202 General Chemistry II
OR		64241 Introductory Statistics
38205 Calculus I		64251 Calculus I
<i>Earth Science (7-12) Geology emphasis only:</i>		
35105 General Physics I with Calculus		75201 General Physics I
35106 General Physics II with Calculus		75202 General Physics II
<i>Earth Science (7-12) Environmental Geology emphasis only:</i>		
35105 General Physics I with Calculus		75201 General Physics I

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

HISTORY/SOCIAL STUDIES

SUNY New Paltz offers a liberal arts major in history. In addition, education students in the childhood (B-2/1-6) teacher certification programs may select a history major, and those in the adolescence education (7-12) program, may select a social studies major.

The liberal arts history major requires 33 credits of history coursework including an upper-division seminar. Courses must be selected from European and United States History as well as from regions and cultures outside of these areas. See the History section of the New Paltz catalog for details. The adolescence education (7-12) certification curriculum requires a social studies major which consists of selected coursework in economics, political science and geography, as well as in history. See the Adolescence Education section of the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

23103 U.S. History to 1865		58221 United States History to 1865
23104 U.S. History Since 1865		58222 United States History Since 1865
23105 World History to 1500 AD		58200 Ancient World
23112 Latin American Heritage and History*		May be used to satisfy the NON WESTERN category*.
23120 Africa: Past & Present*		No corresponding course*
23130 History of African-Americans*		No corresponding course*
23150 The Greek and Roman World	}	58203 History of Ancient Greece
		OR
	}	58204 History of Ancient Rome
		58207 Medieval Europe
23160 Medieval and Renaissance Europe		OR
		58349 Renaissance and Reformation
23165 Science, Technology and Society*		No corresponding course*
23170 The Age of Revolutions*		No corresponding course*

23180 Modern Europe	58214 Modern Europe 1500 – Present
23193 The American Civil War and Reconstruction	58324 American Civil war
23201 Modern China and Japan	58316 Modern China OR
23202 Modern India and Southeast Asia*	58335 Modern Japan
23203 The Middle East	No corresponding course* 58343 History of Islam and the Middle East

**May be used as elective credit toward the New Paltz History major where applicable.*

EARLY CHILDHOOD (B-2)/CHILDHOOD (1-6) HISTORY

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
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Required courses:

23103 U.S. History to 1865	58221 United States History to 1865
23104 U.S. History Since 1865	58222 United States History Since 1865
23160 Medieval and Renaissance Europe	58207 Medieval Europe
23180 Modern Europe	58214 Modern Europe 1500 – Present
24101 U.S. Government – National	77216 American Government and Politics

Select one:

23112 Latin American Heritage and History*	May be used to satisfy the GENDER, RACE AND ETHNICITY category*.
23201 Modern China and Japan	58316 Modern China OR
23202 Modern India and Southeast Asia*	58335 Modern Japan
23203 The Middle East	No corresponding course* 58343 History of Islam and the Middle East

**May be used as elective credit toward the New Paltz History major where applicable.*

ADOLESCENCE (7-12) SOCIAL STUDIES

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
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23103 U.S. History to 1865	58221 United States History to 1865
23104 U.S. History Since 1865	58222 United States History Since 1865
23160 Medieval and Renaissance Europe	58207 Medieval Europe OR
22110 Human Geography	58349 Renaissance and Reformation
21201 Introduction to Macroeconomics	48274 Environment and Culture
21202 Introduction to Microeconomics	33207 Macroeconomics 33206 Microeconomics

Select one:

23112 Latin American Heritage and History*	May be used to satisfy the NON WESTERN category*.
23202 Modern India and Southeast Asia*	No corresponding course*
23203 The Middle East	58343 History of Islam and the Middle East
24101 U.S. Government—National	77216 American Government and Politics
24102 U.S. Government—State & Local	77318 Local Politics OR
24120 International Relations	77301 State Politics 77227 International Politics

**May be used as elective credit toward the New Paltz Social Studies major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

INTERNATIONAL RELATIONS

SUNY New Paltz is the only Liberal Arts and Sciences unit in the SUNY System to offer the International Relations major. The major and minor in International Relations offer students the opportunity to acquire an in-depth introduction to the field of international relations. The core disciplines of this field of study are Political Science, History and Economics. Courses are also drawn from the Departments of Anthropology, Black Studies, Geography, and Sociology and accepted for credit in the program. Students majoring in International Relations can, usually after further training at the graduate level, go on to occupations in the business world, government service and education. Since students will be working in a number of departments while at New Paltz, the International Relations major is also a good choice for those looking for a broadly-based field of study even if they will not be pursuing a career in the International area.

International Relations can be combined in creative ways with offerings of other major and minor programs. For example, a major in International Relations can be combined with minors in Business, Political Science, History, Economics or any of the other departments which offer courses in the program. Alternatively, students can minor in International Relations while majoring in one of the other departments. Such combinations will often enhance a student's record as he or she applies for employment after graduation or for admission to graduate programs. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
<i>Economics-International Relations major only:</i>	
21201 Introduction to Macroeconomics	33207 Macroeconomics
21202 Introduction to Microeconomics	33206 Microeconomics
<i>Political Science-International Relations major only:</i>	
24120 International Relations	77227 International Politics
24130 Comparative Governments*	77229 Introduction to Comparative Politics*
<i>Select one:</i>	
22110 Human Geography	48274 Environment and Culture
27220 Cultural and Social Anthropology	07214 Cultural Anthropology
<i>Select two courses concerned with a single world area:</i>	
23201 Modern China and Japan*	58316 Modern China* OR 58335 Modern Japan* No corresponding course* No corresponding course* No corresponding course* 58214 Modern Europe 1500–Present*
23202 Modern India and SE Asia*	
23203 The Middle East*	
23120 Africa: Past and Present*	
23180 Modern Europe*	

**May be used as elective credit toward the New Paltz Political Science-International Relations major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

JOURNALISM

The Journalism program at SUNY New Paltz, housed in the Department of Communication and Media, offers a course of study that students will absolutely need if they are to succeed in today's news media. At New Paltz, students will have the chance to obtain a bachelor's degree in journalism, a degree that is only available at two publicly funded universities in New York State.

Students will be trained in the essentials of journalism in order to prepare them for a professional internship. Students take a range of practical news writing and news gathering courses and combine them with theoretical classes that introduce the role of the mass media in America's democracy. Courses dealing with the history, ethics and law of the press are taught by a faculty of former reporters and editors who have not only worked in newsrooms, but who have also written books and articles about journalism.

In the practical journalism classes, students do all their writing in a computer laboratory that simulates a newsroom. For prospective editors, there is a desktop publishing system that teaches page design and graphics. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
11130 Journalism – Writing	53230 Journalism I
13116 Introduction to Radio and Television*	No corresponding course*

**May be used as elective credit toward the New Paltz Journalism major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

LATIN AMERICAN STUDIES

Although Orange does not offer Latin American Studies courses, a Latin American Studies major is available at New Paltz for those transfer students who wish to pursue one.

The major and minor in Latin American Studies are designed to provide students with a broad working knowledge of the region's history, geography, languages and cultures, as well as understanding of the diverse perspectives and value of its people. Students pursuing the major must take a required introductory course and a senior seminar, plus courses selected from a number of different departments, including Anthropology, History, Black Studies, Spanish, Geography, Political Science and Women's Studies. The major is designed to provide students with Spanish speaking skills sufficient for them to pursue some coursework in Latin American cultures and literature taught in Spanish. The Latin American Studies minor does not require proficiency in a foreign language. Students choose appropriate courses from at least three different departments and take a required introductory course.

Either a major or minor in Latin American Studies complements many other fields of study. As examples, a student majoring in International Relations, History, Business Administration, Spanish, or Geography can broaden his or her preparation for either graduate school or employment after graduation by completing a second major or minor in Latin American Studies. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
23112 Latin American Heritage and History*	No corresponding course*
48101 Elementary Spanish I	89101 Elementary Spanish I
48102 Elementary Spanish II	89102 Elementary Spanish II
48201 Intermediate Spanish I	89201 Intermediate Spanish I

48202 Intermediate Spanish II
 48203 Spanish Conversation and Composition
 48204 Introduction to Spanish Literature

89202 Intermediate Spanish II
 89301 Spanish Composition/Conversation I
 89361 Spanish Composition/Conversation II

**May be used as elective credit toward the New Paltz Latin American Studies major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

MATHEMATICS

The Mathematics major 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. In addition, students in the Childhood (B-2/1-6) or Adolescence (7-12) teacher certification programs may select a mathematics major as part of the education curriculum.

Students develop a strong mathematical foundation applicable to many fields, the ability to think analytically and make sound judgements, and to organize, analyze and interpret numerical data. The department has adopted the Harvard calculus reform curriculum, which emphasizes that every topic be presented graphically, numerically and algebraically. The graphics calculator is an essential part of Calculus I and II, while Mathematica, a computer program utilized in performing mathematics, is used in more advanced courses. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
38107 College Algebra	64152 College Algebra
38108 College Trigonometry } OR	64181 Pre-calculus Mathematics
38109 Pre-calculus }	
38112 Introduction to Statistics	64241 Introductory Statistics
LIBERAL ARTS MATHEMATICS MAJOR	
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II
38207 Calculus III	64353 Calculus III
38208 Differential Equations and Series	64359 Ordinary Differential Equations
38209 Linear Algebra	64362 Linear Algebra
38210 Computer Science I } AND	25210 Computer Science I: Foundations
38211 Computer Science II }	
38212 Data Structures	25310 Computer Science II: Data Structures

EARLY CHILDHOOD (B-2)/CHILDHOOD (1-6) MATHEMATICS

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

38111 Foundations of Elementary School Mathematics	64140 Mathematics for Elementary School Teachers
38112 Introduction to Statistics	64241 Introductory Statistics
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II

Select one elective:

38207 Calculus III
38209 Linear Algebra

64353 Calculus III
64362 Linear Algebra

Select one:

38210 Computer Science I }
AND
38211 Computer Science II }

25210 Computer Science I: Foundations

OR
38130 Computers and Computing

25104 Visual Programming

ADOLESCENCE (7-12) MATHEMATICS

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

38205 Calculus I
38206 Calculus II
38207 Calculus III
38209 Linear Algebra
35105 General Physics I with Calculus
35106 General Physics II with Calculus
OR

64251 Calculus I
64252 Calculus II
64353 Calculus III
64362 Linear Algebra
75201 General Physics I
75202 General Physics II

35101 General Physics I
35102 General Physics II

75221 Fundamental Physics I
75222 Fundamental Physics II

Select one:

38210 Computer Science I }
AND
38211 Computer Science II }

25210 Computer Science I: Foundations

OR
38130 Computers and Computing

25104 Visual Programming

Recommended:

38212 Data Structures

25310 Computer Science II: Data Structures

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

MUSIC

Programs in music are designed to develop awareness of the beauty and meaning of the art as practiced in the past and present. Flexibility is encouraged in the planning of individual programs, both for those who wish to major in music and for those who wish to acquaint themselves with this facet of our culture. Most music courses reflect an integrated approach to the study of music.

Music majors will choose a concentration in performance (Classical or Jazz), music history and literature, or music theory and composition. A.B.S. degree in music therapy, with a separate set of requirements, is also available. SUNY New Paltz is fully accredited by the National Association of Schools of Music and the American Music Therapy Association. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

42103 History of Western Music to 1750
42104 History of Western Music from 1750

66331 Music of the Middle Ages and Renaissance
66332 Music of the Baroque and Classical Periods

42105 History of Jazz		66160 History of Jazz
42121 Elementary Piano I	} _____	66201 Piano I
AND		
42122 Elementary Piano II	} _____	66203 Theory I (Placement assessment required)
42131 Basic Musicianship I		
AND	} _____	66142 College-Community Chorale (May be repeated for elective credit)
42132 Basic Musicianship II		
42141 Mixed Chorus		66205 Voice I*
		66206 Voice II*
42145 Group Voice I		66146 Chamber Singers*
42146 Group Voice II		(May be repeated for elective credit)
42147 Madrigal Singers		66143 Symphonic Band*
		(May be repeated for elective credit)
42151 Band		66141 College-Community Orchestra (May be repeated for elective credit)
42153 Orchestra		66217 Guitar I*
42154 Jazz/Commercial Guitar I		
42155 Jazz Improvisation I	} _____	66210 Jazz Improvisation Workshop (4 credits granted)
AND		
42156 Jazz Improvisation II	} _____	66162 Chamber Jazz Ensembles: two Orange semesters equals one New Paltz requirement
42157 Chamber Ensemble		
42159 Jazz Ensemble		66147 Jazz Ensemble*
		(May be repeated for elective credit)
42170-42177 Private Instruction		66221 Applied Music*
		(May be repeated for elective credit)
42221 Intermediate Piano I	} _____	66202 Piano II*
AND		
42222 Intermediate Piano II	} _____	(Placement assessment required)
42223 Advanced Piano I		
AND	} _____	66301 Piano III*
42224 Advanced Piano II		
42231 Advanced Musicianship I	} _____	66204 Theory II (Placement assessment required)
AND		
42232 Advanced Musicianship II	} _____	66365 Instrumentation
42233 Elements of Arranging		

**May be used as elective credit toward the New Paltz Music major where applicable.*

MUSIC THERAPY

42103 History of Western Music to 1750		66331 Music of the Middle Ages and Renaissance
42104 History of Western Music from 1750		66332 Music of the Baroque and Classical Periods
42131 Basic Musicianship I	} _____	66203 Theory I (Placement assessment required)
AND		
42132 Basic Musicianship II	} _____	66205 Voice I*
42145 Group Voice I		
42146 Group Voice II		66206 Voice II*
42154 Jazz/Commercial Guitar I		66217 Guitar I*
42231 Advanced Musicianship I	} _____	66204 Theory II (Placement assessment required)
AND		
42232 Advanced Musicianship II		
25111 General Psychology I		80272 General Psychology
25205 Abnormal Psychology		80412 Abnormal Psychology

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

Placement Exams:

At the time of audition, all students take placement exams in theory, sight singing and ear training to determine their levels of proficiency. Students may choose to take placement exams in piano, voice and guitar in order to place into the advanced level or to waive a requirement.

NURSING

Students enrolled in the A.A.S. degree Nursing Program at Orange may wish to consider earning a Bachelor of Science degree in Nursing (BSN) at New Paltz. Additional courses taken at Orange will facilitate transfer to New Paltz so that upper division nursing degree requirements can be completed within two years. See the New Paltz catalog for details.

ORANGE 1ST SEMESTER

11101 Freshman English I (3)
63106 Microbiology for Health Prof (3)
31105 Anatomy & Physiology I (4)
57101 Nursing I: Fundamentals (7)

ORANGE 3RD SEMESTER

25110 Psych. Per. Development (3)
37110 Elem of Chemistry and Physics (3)
57201 Nursing III: Caring for the Growing
Family (7)
99__ Physical Education
__ Elective
99197-8 Concepts of Physical Wellness

NOTE: 38112 Introduction to Statistics is required for full acceptance into the program and is a prerequisite to senior level courses in the BSN program.

NEW PALTZ/SEMESTER V

70320 Professional Nursing
Practice in Individual Health (4)
70340 Contemporary Health Ed Issues (3)
70300 Perspectives in Professional Socialization (2)
15445 Pathophysiology (3)
70315 Business Environment of Nursing (3) **

NEW PALTZ/SEMESTER VII

70422 Professional Nursing Practice
in Community Health(6)
70400 Research in Nursing(3)
*Elective(s)

ORANGE 2ND SEMESTER

11102 Freshman English II (3)
31106 Anatomy & Physiology II (4)
57102 Nursing II: Fundamentals (10)

ORANGE 4TH SEMESTER

57202 Nursing IV: Physical & Mental Illness (9)
57203 Nursing V: Transition to Practice (1)
__ Social Science Elective
99__ Physical Education
__ Elective

NEW PALTZ/SEMESTER VI

70310 Leadership and Management (3)
70421 Professional Nursing Practice
in Family Health (6)
15443 Pharmacology(3)
07481 Transcultural Health (3)**

NEW PALTZ/SEMESTER VIII

70430 Professional Nursing Practice in
Societal Health(6)
*Elective(s)

*Electives to be chosen under advisement to fulfill general education requirement for the degree.

**These courses may be taken either junior or senior year, as available.

MOBILITY PROFILE VALIDATION OF NURSING CREDITS

The Mobility Profile II exam validates the currency of students' nursing knowledge prior to entry into the SUNY New Paltz BSN program. Upon passing all four sections of the exam, 30 lower division (AAS, AS and Diploma) nursing credits are accepted for transfer. Students are allowed up to three attempts to pass each section of the exam. The passing scores are valid for a period of five years, and students must begin the BSN clinical sequence, starting with 70320 Individual Health, within this time frame.

Exemption: Students who are graduates of an NLN accredited associate degree program in nursing, or from an associate degree in nursing program with which we have an articulation agreement, will be exempt from the Mobility Profile II exam provided that (1) they begin the first BSN clinical course 70320 Individual Health within five years of their associate degree graduation date and (2) their cumulative grade point average at graduation from their associate degree program is at least 2.5.

Students whose cumulative grade point average at graduation from their associate degree program is less than 2.5 and/or who have graduated more than five years prior to admittance to the BSN clinical sequence are required to take the Mobility Profile II examination.

PHILOSOPHY

The Department of Philosophy offers both a major leading to the B.A. degree and a minor. Our program is designed to acquaint students with the major divisions of philosophy (logic, theory of knowledge, metaphysics, ethics and political theory, and aesthetics), and with the principal historical and contemporary figures and schools.

Philosophy is inherently interdisciplinary, so many of our courses are connected with other disciplines and subjects such as the natural sciences, the social sciences, history, language, literature and the arts, religion, technology, business, and medicine. Philosophical study requires and enhances the ability to think and write critically and effectively, and is excellent preparation for graduate study in various professions, including medicine, law, government, business and journalism. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
49110 Ethics: Theory and Practice	71304 Ethics
49115 Old Testament*	No corresponding course*
49116 New Testament*	No corresponding course*
49201 Philosophy*	71203 Introduction to Philosophy*
49203 Religious Concepts*	71270 Religions of the World*

**May be used as elective credit toward the New Paltz Philosophy major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

PHYSICS

Physics is the study of the laws governing the natural universe. The great strength of a physics degree is its versatility; the problem solving skill of physicists is sought by a wide range of employers. There are career opportunities in university teaching/research, adolescence school teaching, government and industrial labs, medical technology, computer programming, management, and finance. Physics graduates also have a good base entry into the professional schools of law, medicine and dentistry, in addition to physics itself.

A dual degree program culmination in a B.S. in Physics and a B.S.E.E. in Electrical Engineering is also available. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
35103 Physics for Science & Engineering I AND	75201 General Physics I
35104 Physics for Science & Engineering II AND	
35203 Physics for Science & Engineering III OR	
35105 General Physics I with Calculus	75201 General Physics I
35106 General Physics II with Calculus	75202 General Physics II
35204 Physics for Science and Engineering IV	75308 Modern Physics I AND 75310 Modern Physics Lab
34105 General Chemistry I	22201 General Chemistry I
38210 Computer Science I AND	
38211 Computer Science II	25210 Computer Science I: Foundations
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II

ADOLESCENCE (7-12) PHYSICS

One-half of the credits in the liberal art major/concentration must be completed at New Paltz.

35105 General Physics I with Calculus	75201 General Physics I
35106 General Physics II with Calculus	75202 General Physics II
35204 Physics for Science and Engineering IV	75308 Modern Physics I AND 75310 Modern Physics Lab
34105 General Chemistry I	22201 General Chemistry I
34106 General Chemistry II	
38210 Computer Science I AND	25210 Computer Science I: Foundations
38211 Computer Science II	
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II
38207 Calculus III	64353 Calculus III
38208 Differential Equations and Series	64359 Ordinary Differential Equations

Select one:

37120 Astronomy	12201 Exploring the Solar System OR 12201 Exploring the Universe
31101 General Biology I	15201 General Biology I
36110 Physical Geology	50220 Physical Geology

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

POLITICAL SCIENCE

The department offers two separate liberal arts majors and three minors: majors in Political Science, and International Relations; minors in Political Science, International Relations, and Law and Politics. Education students in childhood (B-2/1-6) teacher certification programs may select a Political Science major as part of the education curriculum. Students majoring in Social Studies in the adolescence (7-12) teacher certification program may take political science courses as part of that major.

The Political Science program at New Paltz includes courses in American government and politics, comparative politics, political theory, international relations, and a variety of offerings in law and law-related fields. Students may participate annually for academic credit in a Model United Nations Program at Harvard University. The department also offers a full-semester internship program, with a wide variety of internship placements open to students in the New York State Legislature, public agencies of the Rockland, and New York City government. Internships are also available with the Legislative Gazette, which is the only weekly newspaper covering the N.Y.S. Legislature. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
24101 U.S. Government—National	77216 American Government & Politics
24102 U.S. Government—State & Local*	77318 Local Politics*
	OR
	77301 State Politics*
24120 International Relations	77227 International Politics
24130 Comparative Governments	77229 Introduction to Comparative Politics
67210 Criminal Law	77255 Criminal Law

**May be used as elective credit toward the New Paltz Political Science major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

PRE-MEDICAL PROFESSIONS

SUNY New Paltz does not offer a pre-medical degree. Students who wish to enter such fields as medicine, dentistry, optometry, podiatry, osteopathy, or veterinary medicine need to pursue a strong college program, emphasizing mathematics and laboratory science. It should be understood that few colleges offer a true 'pre-med' program leading to a degree. What all colleges offer is the opportunity to prepare for admission to a health professional school by taking selected courses guided by a knowledgeable faculty advisor.

There is also no specific major required by health profession schools, however most students, therefore, opt for a major in the sciences since the majority of health profession school course requirements also fulfill portions of a biology, chemistry or physics major. It is important to note that entrance exams include substantial material dealing with the sciences.

Students may select the Liberal Arts and Sciences-Mathematics and Natural Science A.S. degree program at Orange and major in a related discipline at New Paltz upon transfer.

What coursework is necessary for the Pre-Med Professions?

All health profession schools require students to have a strong math/science background. The minimum course of study should be:

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

31101 General Biology I	15201 General Biology I
31102 General Biology II	15202 General Biology II
34105 General Chemistry I	22201 General Chemistry I
34106 General Chemistry II	22202 General Chemistry II
34201 Organic Chemistry I	22318 Organic Chemistry I
34202 Organic Chemistry II	22319 Organic Chemistry II
35105 General Physics I with Calculus	75201 General Physics I
35106 General Physics II with Calculus	75202 General Physics II
38112 Introduction to Statistics	64241 Introductory Statistics
38205 Calculus I	64251 Calculus I
38206 Calculus II	64252 Calculus II

Many look for additional coursework in biology, chemistry or physics; consulting with the pre-med advisor will inform students of this information.

Where do New Paltz graduates go?

New Paltz graduates have found success in applying to professional schools; pre-medical students have been accepted at all four SUNY medical schools, as well as such schools as Albany Medical Center, Georgetown, Tufts, the University of Virginia, Mt. Sinai Medical Center, University of Buffalo, Rutgers University and others while pre-dental students have found equal success being accepted at such schools at NYU, Georgetown, University of Maryland, Northwestern and others. SUNY New Paltz also offers a pre-optometry/doctor of optometry program with the SUNY College of Optometry in NYC.

Advisement:

At both Orange Community College and SUNY New Paltz, a science faculty member serves as the Pre-Med Profession Advisor:

ORANGE

Department of Biological Science
Orange County Community College
115 South Road
Middletown, NY 10940
(845) 341-4124

NEW PALTZ

Biology Department
SUNY New Paltz
75 S. Manheim Blvd.
New Paltz, NY 12561-2499
(845) 257-3770

PSYCHOLOGY

New Paltz offers a general liberal arts Psychology major, and also a specialized psychology major with an emphasis on Psychobiology. A minor in General Psychology, and Management and Organizational Psychology are also available.

The Psychobiology concentration requires courses in general biology and genetics, between three and six credits in research, and several additional elective courses beyond the required psychology courses. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES

EQUIVALENT NEW PALTZ COURSE

Required:

25111 General Psychology I	80272 General Psychology
38112 Introduction to Statistics	80275 Psychological Statistics

Select three additional courses:

25110 Psychology of Personal Development
25112 General Psychology II*
25120 Developmental Psychology }
OR
25121 Child Psychology }
25122 Psychology of Adolescence }
25205 Abnormal Psychology }
25206 Psychology of Adulthood and Aging* }
25210 Social Psychology }

80273 Psychology of Adjustment
No corresponding course*
80343 Psychology of Infancy & Childhood
80344 Psychology of Adolescence & Adulthood
80412 Abnormal Psychology
No corresponding course*
80306 Social Psychology

**May be used as elective credit toward the New Paltz Psychology major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

SOCIOLOGY

The liberal arts major in Sociology studies human society and group life. Students may select a major in Sociology or a major in Sociology with an emphasis in Direct Care. Both majors require the same four core courses, one of which is offered at Orange, 27201 Introduction to Sociology as well as additional elective courses. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

<u>ORANGE COURSES</u>	<u>EQUIVALENT NEW PALTZ COURSE</u>
27201 Introduction to Sociology	87100 Introduction to Sociology
<i>Select three electives:</i>	
26110 Social Problems	87376 Social Problems
27203 The Family	87370 Sociology of the Family
28110 Criminology	87332 Criminology
27204 Race, Ethnicity & Society	87315 Racial and Ethnic Relations

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

THEATER ARTS

Students majoring in Theater Arts may specialize in either Performance or Design/Technical. The department also offers a Theatre Arts minor.

Acting training in the Performance track is supported by classes in directing and musical theatre. The Design/Technical track offers unique programs with the International Alliance of Theatrical Stage Employees, internships with professional companies, and the opportunity for a B.F.A. degree in Scenography. See the New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

<u>ORANGE COURSES</u>	<u>EQUIVALENT NEW PALTZ COURSE</u>
14107 Stage Movement	91337 Physical Technique for Actors
14108 Stage Make-Up*	91335 Stage Makeup I*
14111 Introduction to Theater*	91330 Introduction to Theatre*

14112 Theater Workshop*	912xx-914xx Rehearsal and Production: Students may earn up to 3 credits towards the major*.
14115 Acting Fundamentals	91231 Acting I
16101 Modern Dance I*	No corresponding course*
16102 Modern Dance II*	No corresponding course*
16201 Advanced Dance I*	No corresponding course*
16202 Advanced Dance II*	No corresponding course*
11205 Drama: Ibsen to O'Neill	91324 World Drama II
11206 Drama: Contemporary*	No corresponding course*

**May be used as elective credit toward the New Paltz Theater Arts major where applicable.*

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

WOMEN'S STUDIES

Women's Studies is an interdisciplinary academic program offering a Bachelor of Arts degree, a minor, and a Women's Studies Literature concentration for the (B-2/1-6) childhood education programs.

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 academic departments. An interdisciplinary course, Women: Images and Realities, provides the introduction to the program. There is a women's studies Practicum and a Senior Seminar for majors. See New Paltz catalog for details.

One-half of the credits in the major must be completed at New Paltz.

ORANGE COURSES	EQUIVALENT NEW PALTZ COURSE
11220 Women Writers	41323 Women in Literature: A Contemporary View

Orange courses not listed above may be accepted in transfer by New Paltz as general elective credit toward the degree with the exception of those courses which are remedial/developmental in nature.

DISCLAIMER

Notwithstanding anything contained in this guide, the State University of New York at New Paltz expressly reserves the right, whenever it deems advisable (1) to change or modify its schedule of tuition and fees, (2) to withdraw, cancel, reschedule or modify any course, program of study, degree, or any requirement or policy in connection with the foregoing, and (3) to change or modify any academic or other policy.

AFFIRMATIVE ACTION

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 or programs. All actions towards employees and students are based upon performance related criteria. Further, SUNY New Paltz will not tolerate sexual harassment of employees or students.

Any person alleging discrimination should contact the Affirmative Action Office at (845)257-3293.

ADMISSIONS INFORMATION

For additional information concerning admissions, financial aid, or if you wish to obtain a copy of the New Paltz catalog, please write or telephone:

Office of Undergraduate Admissions
State University of New York at New Paltz
75 South Manheim Boulevard
State University of New York
New Paltz, New York 12561-2499

(914) 257-3200

For additional information concerning admissions, financial aid, or if you wish to obtain a copy of the Orange County Community College catalog, please write or telephone:

Office of Admissions
Orange County Community College
115 South Street
Middletown, New York 10940

(845) 341-4030

STATE UNIVERSITY OF NEW YORK
NEW PALTZ