

FALL
2009

RUTGERS

School of Environmental
and Biological Sciences



For Incoming Transfer Students

The Scarlet Guide

A Comprehensive Guide for Incoming Transfer Students



Welcome to the Rutgers School of Environmental and Biological Sciences!

You are about to embark on a wonderful adventure—one that will introduce you to new friends from all walks of life and expose you to a world of opportunities. At the School of Environmental and Biological Sciences, we are dedicated to upholding our proud legacy of research, teaching, and outreach. I encourage you to take advantage of all we have to offer at the school and throughout Rutgers. Make each and every living and learning experience count.

As students, you will find your time here one of community, collaboration, and service. Get to know your fellow students, your professors, and your administration. My door is always open and I invite you to feel free to visit with me. I want to hear about your successes and, if I can be of service, I want to help when you are not able to find a good solution to your problems. You may also contact me through my website: execdeanagriculture.rutgers.edu.

I encourage you to work hard, lead a balanced life, and to make the most of your time as a School of Environmental and Biological Sciences student. I wish you a safe and productive year.

Best regards,

A handwritten signature in black ink, appearing to read "R. Goodman". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert M. Goodman
Executive Dean of Agriculture and Natural Resources
Executive Dean, School of Environmental and Biological Sciences
Executive Director of the New Jersey Agricultural Station

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Transfer Students

Welcome to the Rutgers School of Environmental and Biological Sciences! In preparation for beginning your Rutgers education, we ask that you join us on campus to complete the Rutgers placement tests (if applicable), meet with an academic advisor, and select tentative courses for the fall semester.

This booklet is designed to assist you in your transition into the School of Environmental and Biological Sciences and Rutgers, The State University of New Jersey, and serves as a supplement to the online Rutgers, New Brunswick Undergraduate catalog 2007-2009 found at catalogs.rutgers.edu/current.shtml. **PLEASE READ THIS BOOKLET CAREFULLY AND BRING IT WITH YOU TO YOUR ADVISING SESSIONS.** It is designed for use by new transfer students. It includes information on placement tests and advising; academic information, including school requirements; registration and schedule information; and student life programs, including housing, financial aid, parking and transportation, and computing services.

FIRST THINGS FIRST

The checklist below will help guide you through the important first steps to complete before arriving on campus this fall.

- Apply for Financial Aid**
For more information visit studentaid.rutgers.edu.
- Create a NetID**
You should have created your NetID on the Enrollment Pathway, <https://www.ugadmissions.rutgers.edu/pathway>. You can also find information at nbc.rutgers.edu/newstudent.
- Learn Your RUID**
Your RUID is a unique 9-digit number that Rutgers assigns to you as your identification number. The number was included in your acceptance letter and can be accessed on the Enrollment Pathway, <https://www.ugadmissions.rutgers.edu/pathway>.
- Take Placement Tests**
oirap.rutgers.edu/testplace.html
The Rutgers Placement Tests determine the courses that you are eligible to take in English, math, and foreign languages. Transfer students may have to take placement tests, depending on your previous coursework. Students will take tests in English language and mathematics. Multiple test dates are offered in the spring. If you have a choice of dates, we recommend that you attend an early date to determine what courses you may register for. You should bring your RUID number, photo ID, #2 pencils, and a blue or black pen. No calculators will be allowed.
- Special Accommodations**
disabilityservices.rutgers.edu
To request accommodations under ADA/Section 504, submit a copy of your IEP to the Office of Disability Services, Kreeger Learning Center, 151 College Avenue, Suite 123, New Brunswick, NJ 08901, or phone 732-932-2848, fax 732-932-2849. After submitting your IEP, contact Testing & Placement at 732-932-8445 to arrange a test time.

Take your photo for your RUconnection ID Card

ruconnection.rutgers.edu/nbp

You can take your ID pictures when you come to campus for placement testing or academic advising days, or contact the RUconnection Card Office. You will need to bring a current government issued photo ID with you when getting your picture taken. If you do not have a photo ID, you can bring another two forms of identification, like a Social Security card and birth certificate. For more information, refer to the RUconnection website at **ruconnection.rutgers.edu** or call 732-445-6949.

The official photo identification card of Rutgers University is the mechanism for accessing your account(s) or privileges such as library checkout, entry to athletic events, access to recreation centers and computer labs, use of meal plans and RU Express, housing, etc. Access to University facilities or account(s) may be denied if your account has been suspended by the University for violating the terms and conditions of use or invalid University status. If you deactivate your Rutgers University ID card, or if the card's magnetic strip is damaged, the card will not scan.

The Rutgers University ID card is the property of Rutgers University and is non-transferable. Only the cardholder may present the Rutgers University ID card for purchases and other privileges. Rutgers University cards will be confiscated if presented by someone other than the cardholder or if the card is involved in inappropriate or illegal use. Fraudulent use of the card will result in disciplinary action or penalties.

Apply for On-campus Housing

housing.rutgers.edu/ie

You should have received an email with details about how to complete the online housing agreement. Information can also be found on the Enrollment Pathway, **<https://www.ugadmissions.rutgers.edu/pathway>**. You should apply for housing as soon as possible.

Select a Meal Plan

food.rutgers.edu

As part of your online housing agreement, you will select a Meal Plan.

Commuter Parking Permit

rudots.rutgers.edu

On-campus parking is limited; only commuter and certain resident students may have a vehicle on campus. For further information and to register your vehicle go to **rudots.rutgers.edu/permits.shtml**.

Send your final high school and/or college transcripts to the Admissions Office

Refer to the Enrollment Pathway, **<https://www.ugadmissions.rutgers.edu/pathway>**, for more information.

Submit Health Immunization records

health.rutgers.edu

Submit the immunization form to ensure that you are able to move into university housing and/or register for classes.

Find Off-campus Housing

ruoffcampus.rutgers.edu

The Off-Campus Housing Service may be of interest specifically to transfer students who do not want to live on campus. For more information, call 732-932-7766.

Pay your Term Bill

studentabc.rutgers.edu

To view charges online, go to **studentabc.rutgers.edu**.

Questions and Answers About Testing

1. **Q. Who needs to take the Rutgers Placement Exam(s)?**

A. **MATH** - You will be required to take a Rutgers Math Department Placement Test unless you have completed a 4-credit Calculus I course (grade C or better) or have completed an approved prerequisite math course at an accredited college or university.

ENGLISH - Students who have not completed at least one semester of a writing course (i.e., English Composition I) will have to complete a written placement test administered by the Rutgers Writing Program.

***Note: If an approved writing course has not been completed, students with a verbal SAT score of 600 or higher will automatically be placed in Expository Writing I (01:355:101) and are not required to complete the English placement test.**

It is extremely important that you take these placement tests seriously because the results can have a major impact on your registration for some courses (i.e., Biology and Chemistry). Because these tests are used to determine your classes, you should prepare for them carefully.

A Placement Testing Information Bulletin is available online at oirap.rutgers.edu/testplace.html. This resource contains examples of strong and weak essay responses and sample math problems. It is essential to review the math formulas because **NO CALCULATORS** will be allowed in the math exam. Other than that, get a good night's sleep, eat a good breakfast, bring money for lunch, and dress comfortably!

2. **Q. Who should take the Foreign Language Placement Exams?**

A. All Rutgers students intending to continue studies in a foreign language they have prior knowledge of are required to complete a placement exam in their language area. **It is recommended that all students intending to become New Jersey state certified teachers take the foreign language placement exam as well.** Rutgers School of Environmental and Biological Sciences has no foreign language requirement. Foreign language courses (excluding literature and arts) may be used to fulfill the Multicultural and International Studies Requirement.

3. **Q. When and where is testing held?**

A. The first available test dates are on the **College Avenue Campus**:

Math and English exams are offered on:

Saturdays, March 28, April 11, May 16, May 30, 2009
Milledoler 100, English 9:00 a.m., Math 11:45 a.m.

Foreign Language exams are offered on:

Friday, March 6, 2009
College Ave. Language Lab, Room 119, 3:00 p.m.

Friday, April 3, 2009
College Ave. Language Lab, Room 119, 3:00 p.m.

4. **Q. How do I register for a placement test?**

A. Math/English - oirap.rutgers.edu/testplace.html, link to transfer/continuing students.

Foreign Language - languageinstitute.rutgers.edu/placement.htm.

RESERVATIONS ARE REQUIRED.

5. **Q. What if I can't take the Placement Tests on the scheduled date?**
- A. You should make every effort to take the placement test during one of these early dates. Delays could adversely affect your schedule. Additional placement testing dates will be available; call the Office of Academic Programs and Research 732-932-3000, ext. 512, for details.
6. **Q. I live 200 miles or more away and can't attend the Placement Tests or Academic Advising. What should I do?**
- A. Contact Dean Carol Andrew in the Office of Academic Programs and Research (732-932-3000, ext. 512; andrew@aesop.rutgers.edu) about making up the advising session; then contact the Rutgers Placement Testing Coordinator April Pagano directly at 732-932-8445 or pagano@instlres.rutgers.edu to find out about possible testing arrangements. If you will be coming to campus at a time when a placement test is not available and can extend your stay, you can make special arrangements by contacting Ms. Pagano at the above number/address.
7. **Q. Who is exempt from Rutgers Placement Testing?**
- A. Transfer students entering Rutgers with an equivalent level I English writing course or who have an SAT verbal score of 600 or greater are exempt from the English placement test. Transfer students entering Rutgers with an equivalent 4 credit Calculus I course (grade of C or better) or have completed an approved prerequisite math course at an accredited college or university are exempt from the Math placement test.
8. **Q. What should I bring to the tests?**
- A. Rutgers ID number, #2 pencils, blue or black pen. **DO NOT BRING A CALCULATOR.**
9. **Q. When will I find out my Placement Test results?**
- A. A few weeks after you take the tests, your results will be posted on the Rutgers Admissions Enrollment Pathway and on your portal at my.rutgers.edu.

THESE TESTS MUST BE TAKEN SERIOUSLY BECAUSE THEY WILL HAVE A MAJOR IMPACT ON YOUR FALL COURSES. PLACEMENT TESTS CANNOT BE RETAKEN.

Questions and Answers About Advising

1. **Q. When and where is advising held?**
- A. Transfer Advising/Registration Day is June 4, 2009, at the Cook Campus Center, Biel Road, Multipurpose Room ABC.
2. **Q. Do I have to register to attend?**
- A. Yes. Register by calling 732-932-3000, ext. 512, or by returning the enclosed form.
3. **Q. What should I bring to Advising/Registration Day?**
- A. **Bring a laptop** if you have one, previous transcripts (official transcripts must not be opened), relevant course syllabi (refer to your evaluation), and your RUID.
4. **Q. Will I have an academic advisor? How will my advisor be assigned to me?**
- A. Yes. Transfer students will meet with the Undergraduate Program Director in their major on Advising/Registration Day. They will assign you a faculty advisor in your major. Students in majors requiring an additional application or prerequisites for entry will be assigned a pre-major advisor.

5. Q. How will I choose my courses?

A. You will be guided by the Undergraduate Program Directors during Advising/Registration Day. Students who have conflicts or live at a distance should contact Dean Carol Andrew at 732-932-3000, ext. 512 to discuss alternate arrangements. A list of courses that fulfill requirements are available via Degree Navigator at nbdn.rutgers.edu.

6. Q. I don't know what I want to major in. What should I do?

A. Making the decision to transfer without an academic major is a personal and difficult one. You may have already completed one or two years of course work at another school. Plan to meet with an academic dean immediately, and with undergraduate program directors and career counselors during your first semester to learn more about majors and careers. For appointments at Career Services, 46 College Avenue, call 732-932-7997. Also, visit careerservices.rutgers.edu.

Academic Information

Credit for Advanced Placement (AP) Exams

College credit is granted for all AP exams with scores of 4 or 5. No credit is granted for scores of 3 or lower. When requesting to have your score report sent from the College Board to the Rutgers School of Environmental and Biological Sciences, include your Rutgers ID # to ensure ease of identification.

International Baccalaureate

College credit is granted for the Higher Level Exam scores of 5, 6, or 7. No credit is granted for standard level exams or scores of 4 or lower.

Permission to take Summer/Winter Courses Prior to Rutgers Enrollment

If the maximum credit (64 credit, community college; 90 credit 4-year college/university) was accepted, additional transfer work cannot be taken outside Rutgers University. Please contact an academic dean in the Office of Academic Programs and Research for course pre-approvals at 732-932-3000, ext. 512.

Transcripts, Credits, Coursework, Schedules

Academic information specific to transfer students can be found at sebs.rutgers.edu/transfer. Useful information can also be found on the School of Environmental and Biological Sciences' academics website, sebs.rutgers.edu/academics.

Final College Transcripts

An official copy of your final college transcript should be sent to the Office of Admissions. Address your transcript to: Rutgers, The State University of New Jersey, Office of University Undergraduate Admissions, Room 202, 65 Davidson Road, Piscataway, NJ 08854-8097. If your final transcript is not evaluated and posted to your Rutgers records within three weeks, please contact the Office of Academic Programs and Research at 732-932-3000, ext. 512.

Evaluated Transcripts

Evaluated transcripts may be viewed at admissions.rutgers.edu/transferecredit.

Transfer Student Math & Science Course Evaluation

Each student will receive an evaluated transcript if the official transcript has been received prior to the date of their session. **It is recommended that you bring copies of your up-to-date transcripts/grades and a catalog from your previous school to aid in course evaluation.**

Chemistry and Biology Placements

Transfer students who are seeking entry into General Chemistry 161 must place into Calculus I or have successfully completed Pre-calculus 115, or the equivalent, with a 'C' or above.

Transfer students who are seeking entry into General Chemistry 162 must have completed General Chemistry I or the equivalent with a 'C' or above **AND** must have completed Pre-calculus 115, or the equivalent, with a 'C' or above.

Transfer students who are seeking entry into General Biology 101 must place into Pre-calculus 111 or Pre-calculus 115 and Expository Writing 101 or have successfully completed the equivalent of these prerequisites* with a 'C' or above.

Registration into Concepts in Biology 100 requires placement into Basic Composition and Intermediate Algebra or higher. To register for General Biology 102 in the spring semester requires successful completion of General Biology 101 or completion of Concepts in Biology 100 with a 'B+' or 'A'. Students taking Concepts of Biology 100 and receiving an 'A' or 'B+' grade must register to take General Biology 102 in the semester that directly follows.

*Please note that General Biology 101 is only offered in the fall semester. General Biology 101 and 102 must be taken at the same institution.

Declaring Your Major

Transfer students declare their major on Transfer Advising/Registration Day unless they are majoring in an area requiring the completion of prerequisite courses and/or additional application. If you are undeclared/undecided, need to have courses evaluated, or are unsure of the requirements for a certain major, you should speak with an academic dean and/or Undergraduate Program Director during the Transfer Advising/Registration Program. You may also speak with Dean Carol Andrew in the Office of Academic Programs and Research at 732-932-3000, ext. 512.

Recommended Credit Course Load for New Transfer Students

School of Environmental and Biological Sciences students must take a minimum of 12 credits to be full-time. New students are encouraged to take 14-16 credits during their first semester. Students with unique situations (e.g. working, family commitments, or commuting from a distance) should consider taking a lighter course load their first semester. Starting off with fewer credits, and doing well in those classes, will build up your confidence and GPA, and give you time to adjust to your new schedule. Discuss your credit load with an advisor.

Class Schedule

After attending Advising/Registration Day, meeting with an advisor, and submitting a registration request form, you will use your Rutgers ID # and Personal Access Code (birth month and day) to access the web registration. You can view your schedule at webreg.rutgers.edu 24 hour system (webreg) or via the touchtone registration system at **732-445-1999**. Schedules for all Rutgers students may also be viewed through the myRutgers portal at my.rutgers.edu (NET ID and eden e-mail account needed).

Changing My Fall Course Schedule

During the first week of the fall semester, all students can change their schedules at webreg.rutgers.edu based on degree credits earned. See registrar.rutgers.edu/nbindex.htm for more information. If the classes you want are closed, still try to register for a full-time course load (12 credits). Remember to keep checking the status of classes online because students are continually updating their schedules, so spaces may open up.

Special Permission to Enter Closed Courses

A special permission number is a six-digit number that allows students to register for a class, even if it is closed. Only the department or professor may issue these numbers. Contact the department to find out how to obtain a special permission number. Otherwise, during the first week of class, attend the courses that you want to take and ask the instructor for a special permission number. You can use the special permission number together with the course index number to register for the course on webreg (webreg.rutgers.edu), or via the touchtone registration system by calling **732-445-1999**.

"Transfer Shock"

Students transferring to a different school may experience a dip in their GPA. This is called "transfer shock." How do you avoid "transfer shock"? Learn as much as you can about university and school policies, take advantage of academic support resources, and spend time getting to know your professors and school administrators. When in doubt, ASK!

Academic Success at Rutgers

There are a number of important study skills that will help you succeed at Rutgers University. Here are some tips that may seem very basic, but they are also very important:

1. Go to every class. Professors have discretion to factor class attendance into your final grade. Professors may also reward you for attending all class meetings. Besides, how will you get the necessary information if you don't attend class?
2. Complete all assignments on time. Not turning in assignments, or turning in assignments late, may significantly affect your grade.
3. Do all of the assigned reading. The professor is assigning it for a reason.
4. Don't fall behind on the reading because it is hard to catch up.
5. Visit your professors and ask questions! Research shows that students who interact with their professors perform significantly better than those who just attend class.

Tutoring Services at Rutgers

If you find yourself having a difficult time your first semester, it is normal, but you should definitely reach out to your academic advisor. They will probably direct you to either the **Rutgers Learning Center** (732-932-1660 Loree Building Room 174) or other academic support services as needed. They can help you with skills like time management and test taking, as well as course content. Visit their web site at lrc.rutgers.edu to learn more about their programs.

The **Math & Science Learning Center** is located in the Chemistry Building on Douglass Campus (732-932-8991). Their website is mslc.rutgers.edu.

The **Douglass/Cook Writing Center** offers tutoring services at 135 George Street. For details on how to enroll, ask your writing instructor or go to dcwc.rutgers.edu for the student enrollment form.

For additional information or questions, visit the college website at sebs.rutgers.edu/academics.

Majors

Rutgers School of Environmental and Biological Sciences offers 25 bachelor's degree programs, many with areas of further concentration ("options"). All students must declare and complete a major from the following programs in order to graduate:

Agricultural Science	Ecology & Natural Resources	Geography*
Animal Science	Environmental & Business Economics	Geological Sciences*
Biochemistry	Environmental Planning & Design	Journalism & Media Studies*
Bioenvironmental Engineering (Five-Year Program)	Environmental Policy, Institutions & Behavior	Marine Science
Biological Sciences	Environmental Science	Meteorology
Biotechnology	Exercise Science & Sport Studies*	Microbiology
Chemistry*	Food Science	Nutritional Science
Communication*	Genetics	Plant Science
		Public Health

**Requires completion of a School of Environmental and Biological Sciences Minor or Certificate Program. See sebs.rutgers.edu/minors for a current listing of available minors and certificate program*

Core Curriculum Requirements

The following are the minimum requirements established by the School of Environmental and Biological Sciences faculty for all bachelor's degree programs. Many programs further specify and/or exceed the requirements in one or more areas. Students should consult the requirements for each program and their academic advisor before selecting courses. Lists of courses that fulfill the various requirements are available via degree navigator (nbdn.rutgers.edu) under school requirements or the online Rutgers catalog at catalogs.rutgers.edu/current.shtml.

I. School Mission: Interdisciplinary Critical Analysis

The undergraduate program's goals are to help students to develop the abilities to think critically, address problems with a variety of modes of inquiry, and recognize and assess ethical problems in order to make decisions based upon an understanding of the long- and short-term implications of the various choices. As a means of meeting these goals, students are encouraged to complete a First-Year Seminar course and are required to complete:

11:____: ____ a junior/senior colloquium course (3)

The junior/senior colloquium course is a capstone, integrative educational experience for students concluding their undergraduate studies, enabling them to synthesize information and techniques gained in previous courses. Working cooperatively with peers who have different capabilities and interests and using case study method, students in these courses devise creative, interdisciplinary solutions to multifaceted problems with ethical, social, political, and technical content in the school's mission areas.

II. Introductory Life and Physical Sciences

A. Life Sciences (4-8 credits)

Introductory courses in plant and animal biology, ecology, and evolution with a laboratory:

01:119:101-102 General Biology (4,4)* or
 01:119:101 General Biology (4) and 11:067:142 Animal Science (3) or
 01:119:101 General Biology (4) and 11:704:351 Principles of Applied Ecology (4) or
 01:119:103 Principles of Biology (4)

*** This two-term General Biology sequence (119:101-102) is a prerequisite for most advanced life sciences courses.**

B. Physical Sciences (3-5 credits)

A basic chemistry or physics course or an introductory course that applies the physical sciences to earth systems, such as:

01:160:127	Impact of Chemistry (3)	01:460:209	Exploration Oceans (3)
01:160:161	General Chemistry (4)	01:750:140	The Greenhouse Effect (3)
01:450:101	Earth Systems (3)	01:750:193	Physics for Sciences (4)
01:450:102	Global Environment (3)	01:750:201	Extended General Physics (5)
01:460:100	Planet Earth (3)	01:750:203	General Physics (3)
01:460:101	Physical Geology (3)	11:375:101	Intro to Environmental Sciences (3)
01:460:102	Historical Geology (3)	11:628:120	Intro to Oceanography (3)
01:460:202	Environmental Geology(3)	11:670:201	Elements of Meteorology (3)
01:460:204	The Water Planet (3)	11:670:202	Elements of Climatology (3)

Many programs of study require specific courses and additional credits in the life and physical sciences. Students should consult the requirements of the specific program(s) of study they are considering before selecting courses from this list.

III. Humanities and the Arts (6 credits)

To develop an understanding and appreciation of the humanities, art forms, and modes of critical response and interpretation, students are required to complete a minimum of six credits in the following courses or subject areas. Upper-level literature and art courses in a foreign language may satisfy this requirement, but elementary and intermediate foreign language courses (i.e., conversation, grammar, and composition courses) do not satisfy this requirement. The two courses selected may be from the same or different disciplines.

Any of the following courses:

11:550:230	Environmental Design Analysis (3)
11:550:330	History of Landscape Architecture (3)
11:554:346	Environmental Documentation in Photography, Film, and Video (3)
11:554:347	Environmental Photography (3)
11:590:201	Introduction to Latin American Civilization and Culture (3)

Any courses in the following subject areas:

American Studies (01:050)	Dance (07:203 and 07:206)	Music Performance (07:701)
Art (Critical Studies) (07:080)	European History (01:510)	Philosophy (01:730)
Art (Studio) (07:081)	American History (01:512)	Theater Arts (07:965 and 07:966)
Classical Humanities (01:190)	Music Theory/Analysis (07:700)	
Comparative Literature (01:195)	Art (History) (01:082)	

Any courses in literature and the arts (but not language) from the following subject areas:

African Languages and Lit (01:013)	German (01:470)	Latin (01:580)
Chinese (01:165)	Modern Greek (01:489)	Polish (01:787)
English Literature (01:350)	Ancient Greek (01:490)	Portuguese (01:810)
English Lit & Creative Writing (01:351)	Italian (01:560)	Russian (01:860)
English: Literary Theory(01:353)	Jewish Studies (01:563)	Slav & Eastern European (01:861)
English: Film Studies (01:354)	Japanese (01:565)	Spanish (01:940)
French (01:420)	Korean (01:574)	

IV. Multicultural and International Studies (6 credits)

To encourage students to see the world through the eyes of people whose culture differs from their own, students are required to complete a minimum of six credits in multicultural and international studies. These courses are intended to expose students to international, cross-cultural, and historical perspectives, to acquire an appreciation for the diversity and variability of institutions, cultures, and individuals, and to consider the complex and changing interactions of cultural, situational, and institutional factors that affect human behavior.

Any of the following courses:

11:300:327	App's of Psychology in Education (3)	11:374:315	Int'l Environmental Policy (3)
11:374:101	Introduction to Human Ecology (3)	11: 374:341	Social and Ecological Aspects of Health and Disease (3)
11:374:269	Population, Resources, Environment (3)		
11:374:314	Human Dimensions of Natural Resource Management (3)	09:910:352	Groups at Risk Contemporary Society (3)

Any courses from the following subject areas:

Afro-American Studies (01:014)	Puerto Rican and Hispanic Caribbean Studies (01:836)
Asian Studies (01:098)	Women's and Gender Studies (01:988)
General/Comparative History (01:506)	Any course in a modern foreign language (excluding courses in literature and the arts)
African, Asian, and Latin American History (01:508)	
Middle Eastern Studies (01:685)	

Selected courses are indicated from the following areas:

Cultural Anthropology (01:070:101, 210, 216-308, 312, 320-340, 356-380)	Religion (01:840:112, 211, 212, 320, 322, 323, 324, 326, 332, 334, 346, 350, 351)
Cultural Geography (01:450:103, 205,222, 335, 336, 338, 341, 342, 361)	Sociology (01:920:108, 111, 216, 270, 303, 304, 306)
Psychology (01:830:362, 375, 376)	

Students who have studied outside the United States at an accredited institution for one term or more may waive three credits of this requirement.

V. Human Behavior, Economic Systems, and Political Processes (9 credits)

Civic engagement in our democratic society is enhanced by an understanding of human behavior and of the political processes and institutional frameworks within which public policies are developed, and by the ability to evaluate policy issues through the application of economic concepts and theory. To develop these understandings, students are required to complete courses in human behavior, in economic systems, and in political processes, as follows:

A. Human Behavior (3 credits)

One course of the following:

01:070:102	Introduction to Human Evolution (3)	01:070:310	Human Aggression (3)
01:070:393	Cultural Resource Management (3)	01:830:101	General Psychology (3)
01:070:204	Introduction to Social Evolution (3)	01:070:313	Culture, Language, and Cognition (3)
11:374:322	Environmental Behavior (3)	01:920:101	Introduction to Sociology (3)
01:070:213	Environment & Human Evolution (3)	01:070:350	Primatology & Human Evolution (3)
11:374:335	Social Responses Environmental Problems (3)		

B. Economic Systems (3 credits)

One of the following introductory economics courses:

11:373:101	Economics, People, Environment (3)	11:373:121	Principles and App's of Microeconomics (3)
01:220:102	Introduction to Microeconomics (3)	01:220:103	Introduction to Macroeconomics (3)

*** Students should note that Economics, People, and the Environment (11:373:101) does not fulfill any of the prerequisites of more advanced economics courses.**

C. Political Processes (3 credits)

One of the following introductory political science or policy courses focusing on the processes and institutions associated with the development of public policy:

11:374:102	Global Environmental Processes & Institutions (3)	01:790:237	Political Economy and Society (3)
11:374:279	Politics of Environmental Issues (3)	01:790:305	Public Policy Formation (3)
11:374:313	Environmental Policy and Institutions (3)	01:790:318	Comparative Public Policy (3)
01:790:101	Nature of Politics (3)	01:790:341	Public Admin: American Bureaucracy (3)
01:790:104	American Government (3)	01:790:342	Public Admin: Policy Making (3)
		01:790:350	Environmental Politics - U.S. and Int'l (3)

VI. Oral and Written Communication (6 credits)

To develop the speaking and writing skills essential for success, written and oral presentations are incorporated into all School of Environmental and Biological Sciences courses, where feasible. Students are further required to complete a minimum of 6 credits in the following courses:

01:355:101 Expository Writing I (3) or 1:355:103 Exposition and Argument (3)

AND

Intermediate-level courses designed to be taken in the first or second years:*

01:355:201	Research in the Disciplines (3)	04:192:220	Fundamentals of Speaking and Listening (3)
01:355:202	Technical Writing Essentials (3)	04:567:324	News Reporting and Writing (3)
01:355:203	Business Writing Essentials (3)		

OR courses intended for advanced students:*

01:355:301	College Writing and Research (3)	01:355:342	Science Writing (3)
01:355:302	Scientific and Technical Writing (3)	01:355:425	Web Authoring (3)
01:355:303	Writing Business and Professions (3)	01:355:352	Writing as a Naturalist (3)
01:355:312	Writing Biology and Natural Sciences (3)	01:355:365	Technical Editing (3)
01:355:315	Writing Grant Proposals(3)	10:832:339	Public Health Literature (3)

***All intermediate and advanced oral and written communication courses have a prerequisite of Expository Writing I (01:355:101).**

VII. Experience-Based Education (3 credits)

To develop the ability to apply curricular and extracurricular-based learning, including leadership development and personal as well as interpersonal management skills, within settings appropriate to their fields, each of the school's programs of study specifies a course or mechanism of study. Examples of currently available options are cooperative education, practica, internships, independent research, and the George H. Cook Scholars Program.

Students completing two major programs offered by the School of Environmental and Biological Sciences must complete at least one experience-based education course, approved by both curricula.

VIII. Proficiency in a Field/Concentration

To develop proficiency in a field/concentration related to the environment, natural resources, food, or agriculture, each curriculum specifies required courses, elective courses, and, where applicable, option requirements. Every program of study also specifies minimum requirements in quantitative skills and professional ethics as they apply to the particular field/concentration for which it prepares its students.

Quantitative Skills. The quantitative skills objective develops mathematical literacy and skills for analytical reasoning, including an understanding of statistical methodologies. All Rutgers graduates, regardless of School or degree program, are required to have attained the mathematical proficiency required for university-level mathematics, as indicated by a placement at the pre-calculus level or above.

Professional Ethics. The professional ethics objective develops the ability to recognize, assess, and respond to ethical problems that could be encountered in the careers students are preparing to enter.

Additional Requirements. Each degree program stipulates additional required courses in the field and may require

IX. Unspecified Electives

All students must complete a minimum of 128 credits for the bachelor's degree (or 159 credits for the Five-year Bioenvironmental Engineering curriculum). The minimum credit requirements to satisfy requirements sum to 125 credits or less for at least one option in every major available at the school (with the exception of the Five-year program in Bioenvironmental Engineering). The additional 3 or more credits required for graduation may be fulfilled by any courses for which the student has met the prerequisites. Students who have completed at least 60 credits of coursework may register for up to two of these unspecified elective courses (no more than one per term) on a Pass/No credit basis. Please contact Academic Programs and Research for prior approval of Pass/No credit courses.



Evaluation of Transfer Credits

1. Acceptable transfer (maximum 64 credit, community college, maximum 90 credit, 4-year college/university) credit is granted for course work with a grade of "C" (2.000) or better completed at an accredited college or university. Credit will not be granted (no credit - NC) for course work designated less than 100 level, courses "Not Satisfying Degree Completion," or duplicate credit. Grades for transfer courses are not included in the student's cumulative grade point average at Rutgers University.
2. All School of Environmental and Biological Sciences students regardless of major must complete course work in the following areas: Interdisciplinary Critical Analysis (**IEA**); Introductory Life Science (Introductory Biology course with lab - General Biology - 01:119:101-102 (8 credits) or Principles of Biology - 01:110:103 (4 credits) (**LS**) and Physical Science (**PS**); Humanities and Arts (**HA**); Multicultural and International Studies (**MI**); Human Behavior (**HB**); Economic Systems (**ES**) and Political Processes (**PP**); Oral and Written Communications (**COM**); Experience-based Education and your curriculum requirements which include competence in quantitative skills and professional ethics.

NOTE: General Biology 1&11 (4,4) must be completed at the same school and approved by the Division of Life Sciences

3.
 - a. If a course completes a specific requirement, it will be designated by a corresponding university course number (if applicable).
 - b. Courses that satisfy a particular school/college requirement will be designated by the corresponding code:

EXAMPLES:

Previous College	Rutgers Credit Evaluation
General Chemistry 1 - 4 credits	General Chemistry 01:160:161 Physical Sciences (PS) - 4 credits
English Composition 1 - 3 credits	Expository Writing 01:355:101 Oral and Written Communications (COM) - 3 credits
Microeconomics - 3 credits	Microeconomics 11:373:121 Economic Systems (ES) - 3 credits
Intro to Art History - 3 credits	Intro to Art History - TR:T11:HA (Humanities and Arts) - 3 credits

NOTE: Not all course work completed at another college(s) will be assigned a specific Rutgers University course designation. Approved credits not fulfilling any particular requirement will be accepted as unspecified electives (TR:T11:EC). Courses that satisfy a requirement but do not have a specific Rutgers equivalency, will be designated TR:T11:_____ (see coding above).

4. Transfer credit that could complete option required or option electives in your major program must be evaluated/ approved by your faculty advisor or undergraduate program director. This approval must be submitted to the Office of Academic Programs and Research in writing.
5. Course work taken in a quarter hour system receives 2/3 of the credit when converted into semester hours (i.e., 15 quarter hours = 10 semester hours).
6. **Placement Tests:**

You will be required to take a Rutgers Math Department Placement Test unless you have completed a 4-credit Calculus I course (grade of C or better) or have completed an **approved** prerequisite math course at an accredited college or university.

Students who have not completed at least one semester of a writing course (i.e., English Composition I) will have to complete a written placement test administered by the Rutgers Writing Program.

If an approved writing course has not be completed, students with a verbal SAT score of 600 or higher will automatically be placed in Expository Writing (01:355:101) and are not required to complete the English placement test.

Questions regarding the placement tests should be directed to the Office of Academic Programs and Research at 732-932-3000, ext. 512.

7. A minimum of 128 credits is required for completion of your degree at the School of Environmental and Biological Sciences. Depending on the total credits that are transferred and the program of study at the School of Environmental and Biological Sciences that you pursue, you may graduate with more than 128 credits. Note: Five-Year Bioenvironmental Engineering requires a minimum of 159 credits.
8. Thirty of the last 42 credits required for a degree must be taken at Rutgers University. Students who have received the maximum number of transfer credit (64 credits – Community College; 90 credits – Four Year School) **will not be** eligible to complete additional coursework outside of Rutgers University.
9. Students who have completed an AA or AS degree from a New Jersey community college in January 2005 or thereafter **and** also have completed the general education curriculum* as a part of their degree, **may** have the degree credits transfer fulfilling the first two years of a baccalaureate degree program at Rutgers University.

*admissions.rutgers.edu/Lampitt.asp.

10. Cumulative average must be a minimum of 2.000 (4.000 high) in order to graduate.
11. Some curricula have specific requirements (i.e., courses, grades and/or GPA) that must be satisfied in order to officially declare the major and/or complete degree requirements.
12. Communication, Journalism and Media Studies, Chemistry, Exercise Science and Sports Studies, Geography, and Geology majors are required to complete a School of Environmental and Biological Sciences Minor or Certificate.
13. You are responsible for all information in the online Rutgers University New Brunswick Undergraduate Catalog, catalogs.rutgers.edu.
14. It is essential that you establish a Rutgers email (eden) account to access information communicated via email. You will be assigned a campus post office box. All college/university notifications, etc., will be forwarded via email or to your campus post office box. You are responsible for official information sent to your campus post office box and/or eden account, so check them on a regular basis.
15. Advanced Placement (AP) scores of 4 and 5 and International Baccalaureate Higher Level with scores of 5, 6, or 7 will be considered for academic credit. It is the student's responsibility to submit a copy of their AP or IB scores to Dean Sharice Richardson in the Office of Academic Programs and Research, Martin Hall.
16. You can track your degree progress using Rutgers Degree Navigator at nbdn.rutgers.edu.

If you have any questions, please contact the Office of Academic Programs and Research at 732-932-3000, ext. 512, Martin Hall, 2nd floor.

MAJOR	SUGGESTED COURSES <i>if not previously completed.</i>
Agricultural Science (017)	Biology 101 and/or Chemistry 161, Microeconomics
Animal Science (067)	Biology 101 and/or Chemistry 161, Animal Science 11:067:142
Biochemistry (115)	Biology 101, Chemistry 161, and Calculus 01:640:151
Bioenvironmental Engineering (117)	Biology 101, Chemistry 161, Analytical Physics I 01:750:123, Bioenvironmental Engineering 11:117:100, and Calculus 01:640:151
Biological Sciences (119)	Biology 101 and/or Chemistry 161; Biology, Society, Biomedical Issues 01:119:150; or Biology, Society, Ecological Issues 01:119:160
Biotechnology (126)	Biology 101, Chemistry 161, and Calculus 01:640:151
Chemistry (160)*	Chemistry 161, Intro to Experimentation 01:160:171, and Calculus 01:640:151
Communication (192)*	Communication 04:189:101 and Media Systems 04:189:102 or Information Technology & Informatics 04:189:103
Ecology & Natural Resources (704)	Biology 101 and/or Chemistry 161, Soils and Society 11:375:102
Environmental & Business Economics (373)	Microeconomics and/or Macroeconomics 11:373:122 or 01:22:103 and Calculus 01:640:151
Environmental Planning & Design (573)	Environmental Design Analysis 11:550:230, Soils and Society 11:375:102
Environmental Policy, Institutions & Behavior (374)	Human Ecology 11:374:101, Global Env. Change 11:374:102, Population Resources & Environment 11:374:269, Careers in EPIB 11:374:280, Microeconomics
Environmental Sciences (375)	Biology 101 and/or Chemistry 161, Environmental Science 11:375:101
Exercise Science & Sports Studies (377)*	(Exercise Science Option)* Biology 101 and/or Chemistry 161, Exercise Science 01:377:140, General Psychology 01:830:101 (Exercise Physiology Option)* Biology 101 and/or Chemistry 161, Exercise Science 01:377:140 (Sports Management Option)* Exercise Science 01:377:140, Communication 04:189:101, Media Systems 04:189:102, Psychology 01:830:101, Microeconomics
Food Science (400)	Biology 101 and/or Chemistry 161, Science of Food 11:400:103
Genetics (447)	Biology 101, Chemistry 161, and Calculus 01:640:151
Geography (450)*	Earth Systems 01:450:101, Transforming Global Environment 01:450:102, and/or Space, Place, Location 04:189:103
Geological Sciences (460)*	Intro Geology 01:450:101 and Geology Lab 01:460:103, Chemistry 161
Journalism and Media Studies (567)*	Media Systems 04:189:102 and Communication 04:189:101 or Information Technology & Informatics 04:189:103
Marine Science (628)	Biology 101 and/or Chemistry 161, Oceanography 11:628:120
Meteorology (670)	Chemistry 161 or Physics I 01:750:193 or 01:750:203, 205, Elements of Meteorology 11:670:201, and Calculus 01:640:151
Microbiology (680)	Biology 101, Chemistry 161, and Calculus 01:640:151
Nutritional Sciences (709) (Dietetics and Food Service)	Biology 101, Chemistry 161, Foods and Nutrition 11:709:201, Sociology 01:920:101, Psychology 01:830:101, or Microeconomics
Plant Science (776)	Biology 101 and/or Chemistry 161, Intro Geology 01:450:101, Geology Lab 01:460:103
Public Health (832)	Biology 101 and/or Chemistry 161, Public Health 10:832:232 or Planning, Policy, and Health 10:832:191 or 10:762:101

*Requires SEBS minor or certificate program

Rutgers School of Environmental and Biological Sciences

Course Request Form for Transfer Students

Major: _____	Code: _____
Class: _____	Options: _____
Advisor: _____	

Last Name: _____ First Name: _____ M.I. _____

ID Number: _____ Phone Number: _____

Email Address: _____ Cell phone: _____

Please Circle: Full time Part time Commuter Resident

Course Title	Sch	Subject	Course	Sec	Cr. Hours	Index Number	Spec. Perm

Must Provide Alternate Courses Below

Alternate courses should be different courses than those listed above (not just different times and days) that you would be interested in taking if a first choice course at any time or day is presently unavailable/full.

Course Title	Sch	Subject	Course	Sec	Cr. Hours	Index Number	Spec. Perm

Advisor Signature: _____

Are you attending Summer Session? _____ Yes _____ No

NOTES:



School of Environmental and Biological Sciences
Office of Academic Programs and Research
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New Brunswick, NJ 08901-8554