

**SUBJECT MATTER SPECIALIZATION: BIOLOGICAL SCIENCE**  
**GUIDELINES FOR DETERMINING ELIGIBILITY FOR ADMISSION TO**  
**EDUCATION PROGRAM, CLINICAL PRACTICE AND COMPLETION OF PROGRAM**

All native, transfer, and post-baccalaureate students interested in pursuing K-12 Biology certification in the Subject-Matter Education program and/or seeking enrollment in Clinical Practice (student teaching) must meet the following requirements:

**For entry into the Subject-Matter Education Program:**

1. *Biology GPA\** of 2.75 or above
2. Grades of C- or better in all Biology classes
3. Grades of C- or higher in “sophomore” courses (i.e., Teaching in Learning Communities I & II, Teaching Literacy, and Educational Technology)
4. “Meets Expectations” on dispositional reports from College of Education instructors and cooperating teachers
5. Overall GPA of at least 2.75
6. Passing score on Praxis I/PPST Exam (Reading: 175; Math: 174; Writing: 173)
7. *Required content major courses* (as listed below) completed:
  - Undergraduates: at least 15 semester hours

**For enrollment in Clinical Practice:**

1. *Biology GPA\** of 2.75 or above
2. Grade of C- or better in all Biology classes
3. Completion of at least 30 semester hours of *Required* and/or *Restricted Elective Biology* courses (as listed below)
4. Passing score (152) on the PRAXIS II exam Biology: Content Knowledge (20235) and Gen Science Knowledge (10435)
5. Average grade of 3.0 in professional courses with no course grade lower than C- and no *Incompletes*
6. Overall GPA of at least 2.75
7. Acceptable dispositional report(s) from university instructors and cooperating teachers
8. “Meets Expectations” on *Content Knowledge Portfolio (TnL A)* and *Research Project (TnL B)*, and *Safety Module (TnL A)*

**For successful program completion:**

1. “Meets Expectations” on all indicators (COE and Biology program-specific) of final Clinical Practice Evaluations
2. Overall GPA of 2.75
3. Average grade of 3.0 in professional courses with no course grade lower than C- and no *Incompletes*
4. Achieve minimum *Biology GPA\** (2.75) with no grade lower than C- in Biology courses
5. “Meets Expectations” on *Impact on Student Learning Project*
6. “Meets Expectations” on *Unit Plan Project*

COURSE TITLE	CREDITS	NUMBER
Calculus I	4	Mathematics 1701.130
Chemistry I	4	Chemistry 1906.100
Chemistry II	4	Chemistry 1906.101
Astronomy or Meteorology or Oceanography	4 3 4	Physics 1911.120, Atmospheric Sci. 1913.101, Oceanography 1919.305
Philosophy of Science or Philosophy of Science (WI)	3	Philosophy 1509.368 or Philosophy 1509.369
Physics I (for life sciences) or Physics I (for scientists and engineers)	4	Physics 1902.202 or 200
Physics II (for life sciences) or Physics II (for scientists and engineers)	4	Physics 1902.203 or 201
Biology 1: Diversity, Evolution and Adaptation	4	Biology 0401.104
Biology 2: Concepts in Genetics	4	Biology 0401.106
Biology 3: Introduction to Cell Biology	4	Biology 0401.203
Biology 4: Global Ecology	4	Biology 0401.204
Organic Chemistry I	4	Chemistry 1907.200
Organic Chemistry II	4	Chemistry 1907.201
Biology Elective	4	Biology
Biology Elective	4	Biology
Biology Elective	4	Biology
Biology Elective	4	Biology
Biology Elective	4	Biology
Special Topics (Senior Seminar) (WI)	3	Biology 0401.440

- Notes:
- For all students, all of the required courses and any eligible electives *must* be used in the calculation of the Biology GPA (i.e., none of these courses is to be excluded in GPA calculation).
  - For transfer (and native students taking any of these courses at other institutions), the Biology GPA is to be calculated from transcripts and coursework at Rowan.

**I have read and understand that the above guidelines and courses are required to continue in and to complete the Subject Matter Specialization: BIOLOGY Program.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**CHECKLIST FOR DOCUMENTING ELIGIBILITY FOR  
BIOLOGY SUBJECT-MATTER EDUCATION**  
(to take effect for Fall 2008 Program Entry)

Teacher Candidate: \_\_\_\_\_

All native and transfer students seeking admission into the Biology Subject-Matter Education Program must meet all of the following requirements:

Requirement	Candidate's Qualifications	Meet? (Y/N) Date(s)
Grades of C or higher in "sophomore" courses	<b>Grades:</b> Teaching in Learning Communities I: _____  Teaching in Learning Communities II: _____  Teaching Literacy: _____  Educational Technology: _____  <b>COE Advisor's Verification (Initials):</b>	
"Meets Expectations" on dispositional reports from College of Education instructors and cooperating teachers	<b>COE Advisor's Verification (Initials):</b>	
Successful completion (i.e., grades of C- or better) of at least 15 semester hours of <i>Required</i> and/or <i>Restricted Elective Biology</i> courses (as listed in <i>Guidelines</i> )	<b>Courses Completed (with semester hours and grade)</b>  _____ ( sh): _____  _____ ( sh): _____  _____ ( sh): _____  _____ ( sh): _____  _____ ( sh): _____  _____ ( sh): _____  <b>Advisor's Verification (Initials):</b>	
Grades of C- or better in all Biology classes	<b>Advisor's Verification (Initials):</b>	
Biology GPA* of 2.75 or above and Overall GPA of 2.75 or above	<b>Biology GPA:</b> _____  <b>Overall GPA:</b> _____  <b>Advisor's Verification (Initials):</b>	
Passing score on Praxis I/PPST Exam (Reading: 175; Math: 174; Writing: 173)	<b>Score:</b>  <b>COE Advisor's Verification (Initials):</b>	
<b>Meets all requirements and is eligible to register for <i>Teaching and Learning A: Science</i></b>		

Advisor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

