

**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 2.00 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 2.00 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 2.75 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 *Curriculum Study Report* (Teaching and Learning A Science), *Research Based Lab Project and Analysis Paper* (Teaching and Learning B Science), *Safety Module* (Teaching and Learning A Science) and *Science Inquiry Based Unit* (Teaching and Learning A & B Science)
9. **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 2.75 in professional courses with no course grade lower than C and no *Incompletes*
  4. Achieve minimum *Biology GPA\** (2.00) with no grade lower than C in Biology courses
  5. “Meets Expectations” on *Impact on Student Learning Project*
  6. “Meets Expectations” on *Science Inquiry Unit Plan Project*

COURSE TITLE	CREDITS	NUMBER
Calculus I	4	MATH 01.130
Chemistry I	4	CHEM 06.100
Chemistry II	4	CHEM 06.101
Philosophy of Science <i>or</i> Philosophy of Science (WI)	3	PHIL 09.368 <i>or</i> PHIL 09.369
Physics I <i>or</i> Intro. Mechanics	4	PHYS 02.202 <i>or</i> PHYS 02 200
Physics II (for life sciences) <i>or</i> Intro. Thermodynamics, Fluids, Waves, Optics	4	PHYS 02.203 <i>or</i> PHYS 02 210
Biology 1: Diversity, Evolution and Adaptation <i>or</i> Biology I (transfer students)	4	BIOL 01.104 <i>or</i> BIOL 01100
Biology 2: Concepts in Genetics <i>or</i> Biology II (transfer students)	4	BIOL 01.106 <i>or</i> BIOL 01100
Biology 3: Introduction to Cell Biology <i>or</i> Biology 3T: Skills and Methods (transfer students)	4	BIOL 01.203 <i>or</i> BIOL 01202
Biology 4: Global Ecology	4	BIOL 01.204
Organic Chemistry I	4	CHEM 07.200
Organic Chemistry II	4	CHEM 07.201
Biometry	4	STAT 02280
Upper Level Biology Lab Elective <i>or</i> Human Anatomy and Physiology I	4	BIOL xx3xx <i>or</i> BIOL xx4xx <i>or</i> BIOL 10210
Upper Level Biology Lab Elective <i>or</i> Human Anatomy and Physiology II	4	BIOL xx3xx <i>or</i> BIOL xx4xx <i>or</i> BIOL 10212
Upper Level Biology Lab Elective	4	BIOL xx3xx <i>or</i> BIOL xx4xx
Upper Level Biology Lab Elective	4	BIOL xx3xx <i>or</i> BIOL xx4xx
Upper Level Biology Elective	3 4	BIOL xx3xx <i>or</i> BIOL xx4xx
Special Topics (Senior Seminar) (WI) <i>or</i> Lab/Field Research	3	BIOL 01.440 <i>or</i> BIOL 01.475

- 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.**

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Signature

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Date

**CHECKLIST FOR DOCUMENTING ELIGIBILITY FOR  
BIOLOGY SUBJECT-MATTER EDUCATION**  
(to take effect for Fall 2010 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>BS Biology Program Academic Guidelines</i> <a href="http://www.rowan.edu/colleges/las/departments/biologicalSci/pdfs/BiologyProgramGuide_08.pdf">http://www.rowan.edu/colleges/las/departments/biologicalSci/pdfs/BiologyProgramGuide_08.pdf</a> )	<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 2.00 or above  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: \_\_\_\_\_



Overall GPA of 2.75 or above	<b>GPA:</b> _____  <b>Overall GPA:</b> _____ <b>Advisor's Verification (Initials):</b>	
Passing scores (152) on the PRAXIS II exams: Biology: Content Knowledge (20235), General Science Content Knowledge (10435)	<b>Score:</b> Biology: Content Knowledge (20235) _____ General Science Content Knowledge (10435) _____ <b>COE Advisor's Verification (Initials):</b>	
<b>Meets all requirements and is eligible to register for <i>Clinical Practice</i></b>		

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

Date: \_\_\_\_\_