

SUBJECT MATTER SPECIALIZATION: PHYSICAL SCIENCE (CHEMISTRY EMPHASIS)**GUIDELINES FOR DETERMINING ELIGIBILITY FOR ADMISSION TO****EDUCATION PROGRAM, CLINICAL PRACTICE AND COMPLETION OF PROGRAM**

All native and transfer students interested in pursuing K-12 Physical Science (Chemistry Emphasis) 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. *Physical Science GPA** of 2.75 or above
2. Grades of C- or better in all Physical Science 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. of *Required* and/or *Restricted Elective* physical science courses (as listed below) completed:
 - Undergraduates: at least 15 semester hours

For enrollment in Clinical Practice:

1. *Physical Science GPA** of 2.75 or above
2. Grade of C- or better in all physical science classes
3. Completion of at least 30 semester hours of *Required* and/or *Restricted Elective* physical science courses (as listed below)
4. Passing scores (152, 141, 152) on the PRAXIS II exam (Chemistry: Content Knowledge (20245), Physics Content Knowledge (10265), 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 Physical Science 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 *Physical Science GPA** (3.0) with no grade lower than C- in physical science 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
Calculus II	4	Mathematics 1701.131
Introduction to Scientific Programming or Introduction to Programming	3	Computer Science 1701.104 Computer Science 1701.104
Biology Laboratory Science (Biology 1, 2, 3, or 4)	4	Biology 0401.104, 106, 203, or 204
Philosophy of Science or Philosophy of Science (WI)	3	Philosophy 1509.368 or Philosophy 1509.369
Chemistry I	4	Chemistry 1906.100
Chemistry II	4	Chemistry 1906.101
Physics I (with Calculus)	4	Physics 1902.200
Physics II (with Calculus)	4	Physics 1902.201
Organic Chemistry I	4	Chemistry 1907.200
Organic Chemistry II	4	Chemistry 1907.201
Physical Chemistry and Lab I	5	Chemistry 1908.400 or Chemistry 1908.402
Quantitative Analysis	4	Chemistry 1909.250
Biochemistry	4	Chemistry 1909.348
Modern Physics	4	Physics 1902.300
Astronomy and Astrophysics	4	Physics 1911.241
Physics of Current Technology	4	Physics 1902.140
Astronomy or Meteorology or Oceanography	4 3 4	Physics 1911.120, Atmospheric Sci. 1913.101, Oceanography 1919.305
Chemistry Elective	$\frac{3}{4}$	Chemistry

Notes:

- For all students, all of the required courses and any eligible electives *must* be used in the calculation of the Physical Science 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 Physical Science 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: PHYSICAL SCIENCE (Chemistry Emphasis) Program.

 Signature

 Date

**CHECKLIST FOR DOCUMENTING ELIGIBILITY FOR
PHYSICAL SCIENCE (CHEMISTRY EMPHASIS) SUBJECT-MATTER EDUCATION**
(to take effect for Fall 2008 Program Entry)

Teacher Candidate: _____

All native and transfer students seeking admission into the Physical Science (Chemistry Emphasis) 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	Grades: Teaching in Learning Communities I: _____ Teaching in Learning Communities II: _____ Teaching Literacy: _____ Educational Technology: _____ COE Advisor's Verification (Initials):	
"Meets Expectations" on dispositional reports from College of Education instructors and cooperating teachers	COE Advisor's Verification (Initials):	
Successful completion (i.e., grades of C- or better) of at least 15 semester hours of <i>Required</i> and/or <i>Restricted Elective</i> physical science courses (as listed in <i>Guidelines</i>)	Courses Completed (with semester hours and grade) _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ Advisor's Verification (Initials):	
Grades of C- or better in all Physical Science classes	Advisor's Verification (Initials):	
Physical Science GPA* of 2.75 or above and Overall GPA of 2.75 or above	Physical Science GPA: _____ Overall GPA: _____ Advisor's Verification (Initials):	
Passing score on Praxis I/PPST Exam (Reading: 175; Math: 174; Writing: 173)	Score: COE Advisor's Verification (Initials):	
Meets all requirements and is eligible to register for <i>Teaching and Learning A: Science</i>		

Advisor's Signature: _____ Date: _____

