

SUBJECT MATTER SPECIALIZATION: CHEMISTRY
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 Chemistry 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. *Chemistry GPA** of 2.75 or above
2. Grades of C- or better in all Chemistry 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* and/or *Restricted Elective* Chemistry courses (as listed below) completed:
 - Undergraduates: at least 15 semester hours

For enrollment in Clinical Practice:

1. *Chemistry GPA** of 2.75 or above
2. Grade of C- or better in all Chemistry classes
3. Completion of at least 30 semester hours of *Required* and/or *Restricted Elective* Chemistry courses (as listed below)
4. Passing score (152) on the PRAXIS II exam (Chemistry: Content Knowledge (20245) 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 Chemistry 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 *Chemistry GPA** (2.75) with no grade lower than C- in Chemistry courses
5. “Meets Expectations” on *Impact on Student Learning Project*
6. “Meets Expectations” on *Unit Plan Project*

***Chemistry GPA is to be calculated using only those grades from courses in the REQUIRED COURSES and RESTRICTED ELECTIVES lists below. No other courses are to be counted toward the Chemistry GPA.**

COURSE TITLE	CREDITS	NUMBER
Calculus I	4	Mathematics 1701.130
Calculus II	4	Mathematics 1701.131
Calculus III	4	Mathematics 1701.230
Introduction to Scientific Programming or Introduction to Programming	3	Computer Science 1701.104 Computer Science 1701.104
Philosophy of Science or Philosophy of Science (WI)	3	Philosophy 1509.368 or Philosophy 1509.369
Physics I (with Calculus)	4	Physics 1902.200
Physics II (with Calculus)	4	Physics 1902.201
Biochemistry	4	Chemistry 1907.348
Chemistry or Advanced Chemistry I	4	Chemistry 1906.100 or 105
Chemistry or Advanced Chemistry II	4	Chemistry 1906.101 or 106
Organic Chemistry I	4	Chemistry 1907.200
Organic Chemistry II	4	Chemistry 1907.201
Quantitative Analysis	4	Chemistry 1909.250
Advanced Inorganic Chemistry	4	Chemistry 1906.300
Physical Chemistry and Lab I	5	Chemistry 1908.400, 402
Physical Chemistry and Lab II	5	Chemistry 1908.401, 403
Seminar	1	Chemistry 1905.450
Instrumental Methods	4	Chemistry 1909.410
Research or Cooperative Experience in Chemistry	3	Chemistry 1905.440 or 435

- Notes:
- For all students, all of the required courses and any eligible electives *must* be used in the calculation of the Chemistry 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 Chemistry 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: CHEMISTRY Program.

Signature

Date

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

Teacher Candidate: _____

All native and transfer students seeking admission into the Chemistry 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> Chemistry courses (as listed in <i>Guidelines</i>)	Courses Completed (with semester hours and grade) _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ _____ (sh): _____ Advisor's Verification (Initials):	
Grades of C- or better in all Chemistry classes	Advisor's Verification (Initials):	
Chemistry GPA* of 2.75 or above and Overall GPA of 2.75 or above	Chemistry 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: _____

