

SUBJECT MATTER SPECIALIZATION: CHEMISTRY
FOR STUDENTS IN THE BS PROGRAM
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 2.00 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. *Restricted Elective* Chemistry courses (as listed below) completed:
 - Undergraduates: at least 15 semester hours

For enrollment in Clinical Practice:

1. *Chemistry GPA** of 2.00 or above
2. Grade of C- or better in all Chemistry classes
3. Completion of at least 30 semester hours of *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 *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)

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** (2.00) with no grade lower than C- in Chemistry 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
Calculus II	4	MATH 01.131
Calculus III	4	MATH 01.230
Introduction to Scientific Programming	3	CS 01.104
Philosophy of Science (WI)	3	PHIL 09.369
College Composition I	3	COMP 01.111
College Composition II	3	COMP01.112
Public Speaking	3	CMS 06.202
Introductory Electricity & Magnetism	4	PHYS 02.201
Introductory Mechanics	4	PHYS 02.200
Biochemistry	4	CHEM 07.348
Chemistry I or Advanced Chemistry I	4	CHEM 06.100 or .105
Chemistry II or Advanced Chemistry II	4	CHEM 06.101 or .106
Organic Chemistry I	4	CHEM 07.200
Organic Chemistry II	4	CHEM 07.201
Quantitative Analysis	4	CHEM 09.250
Advanced Inorganic Chemistry	4	CHEM 06.300
Physical Chemistry I and Physical Chemistry Lab I	5	CHEM 08.400, .402
Physical Chemistry II and Physical Chemistry Lab II	5	CHEM 08.401, .403
Seminar I	1	CHEM 05.450
Instrumental Methods	4	CHEM 09.410
Research I or Cooperative Experience in Chemistry	3	CHEM 05.435 or 440
Any 3-4 credit Approved Chemistry Restricted elective	12	xxxxxxxxx

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

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 2010 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>Restricted Elective</i> Chemistry courses (as listed in <i>BS Chemistry academic 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 Chemistry classes	Advisor's Verification (Initials):	
Chemistry GPA* of 2.00 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: _____

