

**5-12 Chemistry Endorsement - 152  
Advising Checklist**

Name \_\_\_\_\_

Education Core:

- \_\_\_ 205 Educational Foundations
- \_\_\_ 215 Practicum in Education
- \_\_\_ 257 Exceptional Learner
- \_\_\_ 387 Human Relations
- \_\_\_ 235 Educational Psychology
- \_\_\_ 485 Secondary Science Methods

Iowa General Education:

- \_\_\_ Mathematics
- \_\_\_ Natural Science
- \_\_\_ Social Science
- \_\_\_ Humanities

Requirements for the Endorsement (24 s.h.):

**Option 1:**

- \_\_\_ CHM 155 Principles of Structural Chemistry
- \_\_\_ CHM 165 Principles of Chemical Reactivity
- \_\_\_ CHM 185 Organic Chemistry I
- \_\_\_ CHM 225 Organic Chemistry II
- \_\_\_ CHM 235 Organic Chemistry Lab
- \_\_\_ CHM 215 Analytic Chemistry
- \_\_\_ CHM 210 Analytic Chemistry Lab
- \_\_\_ CHM 415 Physical Chemistry I

**Option 2:**

Eight courses in the broad area of Science (Chemistry, Physics, Biology) to include 4 courses in Chemistry

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