Chemistry Course Requirements – Teaching Emphasis (Without Certification) (2017-18)

The Teaching emphasis is a great option for students who are interested in teaching high school chemistry, where jobs are readily available. Students should meet with education department early in their degree to ensure certification by end of degree.

1) Talk with advisors to see how other calculus sequences could fulfill the calculus requirement.
2) Honors versions are PHYS 3210 + 3220.
3) Honors versions are available. Sequence starts in the Fall. Must apply to be in the class.
4) = Only 2 upper division labs required. Fall options: CHEM 5710 (org) 1st half, CHEM 5730 (inorg) 2nd half. Spring options: CHEM 5700 (ana) 1st half, CHEM 5720 (phys) 2nd half, CHEM 3200 (radiochem) full.
5) Can take ETHNC 2550 – 2590. Some classes also satisfy BF or HF.
6) Check DARS to see other accepted courses.
7) Can also take EDU 5375 (Science Methods) offered in F, S, U – but EDU 5170 is preferred.
8) PHYS 3949, (CHEM 4800 (research), or CHEM 4999 (Honors Thesis) can replace.

1ST YEAR FALL
- MATH 1210 1st Year Calculus I
  4 cr. F, S, U
- CHEM 2000/4000 UG Seminar
  1 cr. F, S
- CHEM 1210 1st Year Gen Chem I
  4 cr. F, S, U
- CHEM 1215 Chem I Lab
  1 cr. F, S
- EDU 1010 Intro Teaching
  3 cr. F, S

1ST YEAR SPRING
- MATH 1220 1st Year Calculus II
  4 cr. F, S, U
- PHYS 2215 Physics I Lab
  1 cr. F, S
- CHEM 1220 1st Year Gen Chem II
  4 cr. F, S, U
- CHEM 1225 Chem II Lab
  1 cr. F, S
- ETHNC 25X0 Ethnic Exper.
  3 cr. F, S, U
- ECS 3150 Multicultur Edu
  3 cr. F, S, U

2ND YEAR FALL
- MATH 2210 2nd Year Calculus III
  3 cr. F, S, U
- PHYS 2210 Physics I
  4 cr. F, S, U
- CHEM 2310 2nd Year Org Chem I
  4 cr. F, S, U
- CHEM 2315 Org I Lab
  2 cr. F, S, U
- PSY Elective Adolescence
  3 cr. F, S

2ND YEAR SPRING
- PHYS 2220 Physics II
  4 cr. F, S, U
- PHYS 2225 Physics II Lab
  1 cr. F, S
- CHEM 2320 2nd Year Org Chem II
  4 cr. F, S, U
- CHEM 2325 Org II Lab
  2 cr. F, S, U
- CHEM 5830 TA Service
  2 cr. S

3RD YEAR FALL
- CHEM 3060 Quantum
  4 cr. F, S
- WRTG 3014 Sci Writing
  3 cr. F, S, U
- CHEM 3070 Thermo
  4 cr. (F), S
- CHEM 3000 Quant Analys
  4 cr. F, S, U
- CHEM 57X0 4th Year Adv Lab
  2 cr. Half Sem

3RD YEAR SPRING
- CHEM 57X0 4th Year Adv Lab
  2 cr. Half Sem
- CHEM 5710 Adv Lab
  2 cr. Half Sem
- EDU 5170 Sec Sci Methods
  3 cr. S

4TH YEAR FALL
- CHEM 57X0 Adv Lab
  2 cr. Half Sem

4TH YEAR SPRING
- Intermediate Education Classes

Advanced Education Classes

F = Fall
S= Spring
U = Summer
The Teaching emphasis is a great option for students who are interested in teaching high school chemistry, where jobs are readily available. Students should meet with education department **early in their degree** to ensure certification by end of degree.

### Teaching Emphasis (2017-2018)

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<th>Number</th>
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◊ Talk with advisors to see how other calculus sequences could fulfill the calculus requirement.
□ Honors versions are PHYS 3210 + 3220.
○ Honors versions of available. Sequence starts in the Fall. Must apply to be in the class.
□ Need Adolescent psychology course (PYS, FCS, ED PS). There are multiple options: see list of approved courses on Degree Audit.
1: Visit with Education Advisor (Sara Hatch) for entrance into certification program.
† PHYS 3949, CHEM 4800 (research), or CHEM 4999 (Honors Thesis) can waive.