# PROGRAM PLANNING FOR THE CHEMISTRY MAJOR

**Effective for Class of 2017 and beyond**

## FIRST YEAR

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**Major requirements:**

**Please be sure to check the prerequisites for each course.**

- [ ] CHEM BC2001x General Chemistry (5)
- [ ] MATH V1101x,y Calculus I (3)
- [ ] CHEM BC3230y Organic Chem. I (3)
- [ ] CHEM BC3328y Organic Chem. I Lab. (2.5)
- [ ] MATH V1102 or V1201x,y, Calc. II or III (3)\(^1\)
- [ ] CHEM BC3231x Organic Chem. II (3)
- [ ] CHEM BC3333x Mod. Techniques Lab. (3)
- [ ] CHEM BC3242y Quant. Analysis (3)
- [ ] PHYS BC2001x Mechanics w/ lab (4.5)\(^2\)
- [ ] PHYS BC2002y Electricity & Magnet. w/ lab (4.5)\(^2\)
- [ ] CHEM BC3253x Quantum Chemistry (3)
- [ ] CHEM BC3252y Thermodynamics & Kinetics (3)
- [ ] CHEM BC3348y Adv. Spec. & Analysis Lab. (3)
- [ ] CHEM BC3271y Inorganic Chem. (3)
- [ ] CHEM BC3358y Adv. Chemical Synthesis Lab. (5)
- [ ] CHEM BC3282x Biological Chem. (optional) (3)\(^3\)
- [ ] Elective (at least 3 credits)
- [ ] Senior Requirement: 3901/02 or 3599/98 (4)

\(^1\)Two semesters of math after entering college, including Calc I and II or III, are required.

\(^2\)Any calculus-based physics sequence with 2 semesters of laboratory work is acceptable (e.g. 1401-01 or 1601-02, but not 1201-02).

\(^3\)CHEM BC3282 is required to receive an ACS certified degree. It is not required for the major. It can count as an elective.

## SOPHOMORE YEAR

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## JUNIOR YEAR

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## SENIOR YEAR

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**Notes:**