Total Major hours: 52
Suggested hours per semester: 16

Chemistry Major

Major Academic Plan (MAP) for Catalog Year 2021-2022

The catalog is the final authority on CATC and major requirements; this is intended as a tool for planning purposes. Student course sequencing may vary depending on course offerings and other variables.

Fall Semester 1	**Spring Semester 1**	**Summer 1**
CHEM 231: General Chemistry I[F] or CHEM 341: Organic Chem. I*[,F] MATH 231/232: Calculus I[1], II* *CORE 101: First Year Seminar* *First-Year CATC options-* ▪ *AHS 101: Wellness (2)* ▪ *COMM 101: Oral Comm (2)* ▪ *ENGW 103: First-Year Writing* ▪ *Language Core Competency or Thematic Core Course*	CHEM 232: General Chem. II*[,S] or CHEM 342: Organic Chem. II*[,S] MATH 231/232: Calculus I[1], II* *First-Year CATC Options* *Language Core Competency* *BITH 211/ARCH 211: Old Testament*	Consider study, internship or research options – Wheaton In summer program, WIN (HoneyRock), non-major internship, summer research
Fall Semester 2	**Spring Semester 2**	**Summer 2**
CHEM 341: Organic Chemistry I*[,F], if not complete CHEM 294: Chem. Colloquium (1)[2] PHYS 231: Intro. Physics I[1]*[,F] *Thematic Core or Core Competency Course* *BITH 213/ARCH 213: New Testament*	CHEM 342: Organic Chemistry II*[,S], if not complete CHEM 294: Chem. Colloquium (1)[2] PHYS 232: Intro. Physics II*[,S] *Thematic Core Course* *BITH 315: Christian Thought**	Consider study, internship or research options – Wheaton In summer program, WIN (HoneyRock), non-major internship, summer research
Fall Semester 3	**Spring Semester 3**	**Summer 3**
CHEM 355: Intro. to Analytical Chem. (2)*[,F] CHEM 371: Physical Chem. I*[,F] *Advanced Integrative Seminar?**	CHEM 336: Inorganic Chemistry*[,S] CHEM 455: Adv. Analytical I (2) *[,S] and/or CHEM elective (2 or 4)[3] *Advanced Integrative Seminar?**	Consider study, internship or research options – Wheaton In summer program, WIN (HoneyRock), internship, summer research
Fall Semester 4	**Spring Semester 4**	**Summer 4**
CHEM 494: Chemistry in Context (2)*[,F] CHEM 457: Adv. Analytical II (2)*[,F] and/or CHEM elective (2)[3] *Thematic Core Course (4-8)* *Complete CATC Coursework*	CHEM elective[3], if not complete *Complete CATC Coursework*	

Notes or Special Guidance for Majors:

*Course has prerequisite
[F] Fall only course
[S] Spring only course

[1]Classes that meet CATC tags are MATH 231 (AAQR) and PHYS 231 (SP).

[2] CHEM 294 has two distinct courses that should be taken in order: first the fall course, followed by the spring course.

[3] Either CHEM 455 or 457 (Adv. Analytical I or II) is required (students choose which one). Additionally, two upper-level elective courses are required (4 or 6 combined hours), one of which must be a lab course (designated with an 'L' suffix). Chemistry electives include: 372*[,S], 436*[,F], 437*[,F], 455L*[,S] or 457L*[,F] (the one not already taken as a requirement), 461*[,S], 463L*[,S], 475L*[,S], 485L*[,S].