

Undecided (considering BIO, CHE, or BIOCHEM): Two year Plan Dentistry
Blue text major requirements

(updated April 2024 H.Banks, & pending updates H. Haemig, A. Nienow, & Y. Kawarasaki)

This is a two-year plan for a student who is interested in attending Dental school, yet is undecided about whether he/she wishes to pursue a biology, chemistry or BMB major at Gustavus. Once the student has decided on a major (by the spring of the 2nd year), he/she can work with their faculty advisor to develop a plan for their 3rd and 4th years at Gustavus that fulfills the requirements for the chosen major, as well as Dental school and DAT requirements.

First Year: Fall

BIO 110 Principles of Biology (DAT) & BIO 111 Lab

**CHE 110 General Chemistry (DAT) & CHE 111 General Chemistry Lab OR CHE 105 Foundations of Chemistry I (DAT) & CHE 106 Foundations of Chemistry I Lab*

**Before you can register for CHE 110, you are required to take the Chemistry placement exam. (CHE 105/106 offered Fall only and CHE 107/108 offered Spring only) taking both are equivalent to CHE 110. Find out more about the CHE placement exam, [click here](#).*

FTS 100 First Term Seminar (Writing Intensive course- WRIT)

PSY 100 Introductory Psychology (or Spring)

First Year: Spring

BIO 120 Organismal Biology (DAT) & BIO 121 Lab

CHE 120 Organic Chemistry I (DAT) & CHE 121 Organic Chemistry I Lab (offered Fall and Spring)

**OR CHE 107 Foundations of Chemistry II (DAT) & CHE 108 Foundations of Chemistry II Lab
(CHE 105/106 offered Fall only and CHE 107/108 offered Spring only) taking both are equivalent to CHE 110)

MCS 121 Calculus I

Second Year: Fall

CHE 220 Organic Chemistry II (DAT) & CHE 221 Organic Chemistry II Lab (offered Fall only)

If you took CHE 105/106 and CHE 107/108 in the first year, take [CHE 120 Organic Chemistry I \(DAT\)](#) & [CHE 121 Organic Chemistry I Lab \(offered Fall and Spring\)](#) instead of CHE 220/221. It is possible to take [Che 220 Org Chem. II](#) in Fall of third year and take [Che 270 Biochem](#) in the Spring of third year.

[BIO 250 Cell and Molecular Biology & BIO 251 Lab](#)

*English- composition (some composition recommendations: ENG 100 Writing Process, ENG 112 Creative Writing, ENG 253 Writing Fiction WRITD, ENG 256 Writing Creative Nonfiction WRITD)

*(U of M prerequisite requirement: Two composition courses are preferred; or one composition course, and one additional course in either literature, humanities, or public speaking that is designated as writing intensive)

Second Year: Spring

[CHE 230 Inorganic Chemistry I \(DAT recommended\)](#) & [CHE 231 Inorganic Chemistry I Lab \(offered Spring only\)](#)

[BIO 260 Evolution, Ecology, and Behavior & BIO 261 Lab](#)

[MCS 122 Calculus II](#)

It is important to note the minimum grade required to satisfy any prerequisites for Chemistry and Biology courses. This is outlined in the academic catalog.