

Effective Term

Fall 2024

CC Approval

03/17/2023

AS Approval

04/11/2023

BOT Approval

04/20/2023

COCI Approval

03/05/2024

CB04 Credit Status

Credit - Degree Applicable

Discipline

Minimum Qualifications

And/Or

Chemistry (Master's Degree)

Subject Code

CHEM - Chemistry

Course Number

241

Department

Chemistry (CHEM)

Division

Science and Engineering (SE)

Full Course Title

Organic Chemistry 2

Short Title

Organic Chemistry 2

CB03 TOP Code

1905.00 - Chemistry, General

CB08 Basic Skills Status

NBS - Not Basic Skills

CB09 SAM Code

E - Non-Occupational

Rationale

Our articulation officer and C-ID recommended we align our Organic Chemistry series with the state standards for TMC. This increases the units from 4 to 5 units for both Organic Chem 1 and 2 (total of 10 units). We are keen to align our courses with the state standard in preparation for the common course numbering system expected soon (AB 1111). Lastly, we would like to offer an AS-T in Chemistry which will be made possible by aligning with the TMC.

Additionally, we updated:

- The book edit cou an ASe units fbi keeommed

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Catalog Course Description

A continuation of CHEM 240. Introduction to NMR, IR, and Mass Spectroscopy. Chemical reactions and syntheses of aromatic, carbonyl, and amine compounds. Special topics in carbohydrate, amino acid, and lipid chemistry. Lab work includes simple and multi-

- c. Synthesis and reactions of acyl halides, acid anhydrides, esters and amides.
- d. Hell-Volhard-Zelinski and decarboxylation reactions.
- e. Claisen, Michael, and Aldol reactions

