Plan (Major, Minor, Certificate Level Information

Program Code
CHEMCE

Short Title
ChemMCE

Long title (as much of full title as possible)
Chemistry MCE

Program Long Description / Plan Prospectus
-

Program Type
Major

Degree Designation - If this major offers multiple degree types, a proposal for each is required
MCE - Master of Chemistry Education

Provide a rationale for inactivating the major and/or any associated sequences, minor or certificate.
FCR (Full-cost recovery) courses are no longer being allowed. The department decided that without these funds they can no longer afford to support this program. Resources cannot be reallocated to provide for the instruction of the courses.

Career (acadCareer)
-

Academic Program
Arts and Sciences Graduate

Department(s)
Chemistry

Split Ownership
No

Department Percent Ownership
Chemistry - 100%

Is this undergraduate or graduate level?
Graduate

Total hours required for the program
-

If proposing a new undergraduate major that requires more than 72 hours, including gen ed and graduation requirements (AMALI, IDEAS), or more than 55 hours from the major department, a strong justification is required.
-

Academic Planning

Catalog year requesting the major, sequence(s), minor or certificate be inactive
2026-2027

Status - Set to inactive if requesting to inactivate a Major, Minor or Certificate. To inactivate one or more sequences, refer to the Sequences (subplans) section below.
Inactive

Effective Start Date
May 18, 2026

First Term Valid
-

Last Admit Term (`ssrLastAdmTerm`) - This is for the Major, Minor or Certificate, if you are only inactivating a sequence(s), do not enter a term here, see Sequences section below. This is the last term that students may be admitted to the major, minor or certificate
Fall Semester 2025

Number of students who will be enrolled as of the Last Admit Term (that you entered above)? If there will be students enrolled after the Last Admit Term, provide the following: 1) Number of students expected to continue in the program, 2) Number of students expected to transfer to another program at Illinois State University, and 3) Number of students expected to transfer to another college or university.
In Fall 2025: there are 10 students in the program (there are 24 total between this degree and the MSCE which are extremely similar degrees and thus treated as 1 program often)
1) Number of students expected to continue in the program: 10
2) Number of students expected to transfer to another program at Illinois State University: 0
3) Number of students expected to transfer to another college or university: Unsure - not many other programs like this.

If there are students currently enrolled, describe the methods for providing students advance notice of the closure.
Students were emailed the following on October 6, 2025 from the department Chair:
Dear MCE and MSCE Students:
The Chemistry Department has made the difficult decision to discontinue the MCE and MSCE programs due to resource allocations. We will no longer accept new students into these programs. In the coming weeks, you may see some changes to our web pages and advertising related to these programs.
Please rest assured that we remain mindful of you, our current students, and are dedicated to creating a path to graduation for you. Dr. Boesdorfer has designed a schedule of courses that will allow most of you to graduate without any requirement changes. She will contact a few of you to discuss alternative courses that could serve as substitutes for requirements we are unable to offer during those four semesters.
If you have any questions concerning your path to graduation, please reach out to Dr. Boesdorfer. We will keep you informed of any updates as they develop.
Best,
Dr. Barnes

If there are students who will continue to be enrolled after the Last Admit Term, describe the methods for advising these students on how to complete the requirements, or other another Illinois State University program, in a reasonable period of time.
We have a teach out plan that will be communicated to the students both collectively and individually as needed. We will likely have to advise some of them to take a course or two at another university and transfer it in as this is an online program and we will not be offering enough courses online to allow the most recent admits to finish their degrees.

Plan Administration

Program Length Type (`ssrProgLenType`)
Years

Program Length Value (`ssrProgLength`)
2

Evaluate Plan Before Program
No

Last Prospect Date
-

Transcript Level
Print on Official

Print On Diploma
No

Print On Transcript
Yes

Diploma Description
-

Transcript Description
Master of Chemistry Education

CIP Code
13.1323

HEGIS Code
08.01

NSC Classification (`ssrNscCrdLvl`)
M - Master's Degree

Requirement Term Default (`plnReqtrmDflt`)
Program's Requirement Term

Allow Integration Sync To SIS
Yes

Advisement

Show in What-If Advisor
Yes

Show in What-If Pre-matriculated Student
Yes

Show in What-If Student
Yes

Report as NSC Classification Program
Yes

Sequences (Subplans) Level Information - Do NOT hit the Red Delete button to inactivate a sequence; only change status to Inactive and add a term to the Last Admit Term field.

Requirements

Simple Requisites

Major, Minor or Certificate (plan)

Major in Chemistry Education - 33 Minimum Required Hours
Type
Completion Requirement

Chemistry content courses

-

Earn at least 9 credits from the following:

- CHE415 - Instrumental Analysis
- CHE418 - Methods Of Computational Science
- CHE445 - General Biochemistry II
- CHE450 - Advanced Inorganic Chemistry
- CHE462 - Physical Chemistry II

Students may also use any 400 level course in Inorganic, Organic, Analytical, Physical, or Biochemistry for which the student has appropriate prerequisites. No credit will be granted for an Illinois State University course if a student has already taken an equivalent course elsewhere.

Chemistry education and science education courses

-

Earn at least 18 credits from the following:

- CHE401 - Advanced Chemistry Demonstrations
- CHE402 - Teaching Chemistry In The Laboratory
- CHE403 - Teaching Science Safely
- TCH401 - Introduction To Educational Technologies
- TCH450 - Curriculum In Science Education
- TCH451 - Recent Research In Science Education
- TCH453 - Instructional Strategies For School Science

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Capstone project courses

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Earn at least 6 credits from the following:

- CHE481 - Capstone Research Project I
  AND CHE482 - Capstone Research Project II
- TCH481 - Professional Research I
  AND TCH482 - Professional Research II
- SED406 - Induction Into Special Education I
  AND SED407 - Induction Into Special Education II
- CHE498A50 - Professional Practice: Coop in Chemistry

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Additional Comments:
The degree requires 33 credit hours of coursework in two areas:

Chemistry Content and Chemistry Education or Foundational Science Education. It also requires a two-semester capstone project. By the time of final degree awarding, a candidate must have completed three years of full-time teaching.

Sequences (subplans)

General Education

University

No Requirement Level

Catalog Fields (Coursedog only)

Catalog Display Name
Chemistry - Master of Chemistry Education

Catalog Short Description
The Master of Chemistry Education (M.C.E.) is a professional degree designed to improve the content and pedagogical knowledge of teachers of chemistry who do not possess a bachelor's degree in Chemistry or closely related field (e.g. biochemistry or chemistry teaching).

Catalog Full Description
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Dependencies

Read Only Catalog Fields

Program Level
Graduate

Degree Maps

Learning Outcomes

Instructional Methods (this card is hidden and should NOT be displayed)