



Master of Education Leading to Massachusetts INITIAL LICENSURE

General Science (1-6 or 5-8)

For licensure: 35 credits, 5-6 terms • Without licensure: 32 credits, 3 terms
Program approved by the Mass. Dept. of Elementary & Secondary Education

Requirements

Professional Seminar & Project7 credits

ESE691-692 Professional Seminar in General Science
Education — 2 terms @ 2 credits 4
Includes clinical journal, assessments, professional growth plan.
ESE800 Independent Learning Project 3

Science Methods15 credits... 12 credits

Licensure courses @ 3 credits each **grades 1-6** **grades 5-8**

MAT623 Numerical & Geometric Structures ...•
SCI680 Attaining Science Literacy.....•.....•

option for 1-6: SCI680 or ELE653 Teaching Sci
& Technol in Early Childhood & Elem Curric

Methods & Materials for Teaching:

SCI682 Life Science•.....•
SCI684 Earth Science•.....•
SCI686 Physical Science•.....•

Science Content.....8 credits.....11 credits

Online courses @ 1 credit each **grades 1-6** **grades 5-8**

SCI591 Intro to Online Science Learning•.....•
SCI601 Aquatic Ecology•.....•
SCI603 Electricity & Magnetism•.....•
SCI605 Water Quality•.....•
SCI607 Structure of the Earth•.....•
SCI609 Transfer of Energy•.....•
SCI611 Ocean Science•.....•
SCI613 Earth in the Solar System•.....•
SCI615 Forces & Motion•.....•
SCI617 Earth's History•.....•
SCI619 Teaching Project-Based Science•.....•

In-class course option @ 3 credits (replaces three 1-credit courses)

SCI688 Methods & Materials for Teaching
Middle School Chemistry•.....•

Non-licensure option

All program components required except Practicum, Practicum Seminar, and teacher tests. Non-licensure students must complete all course contact hours and pre-practicum hours embedded in the courses. Additional graduate level science content electives may be available. MAT623 may be replaced with science content electives.

Admission requirements: Bachelor's degree and other general requirements (see Admission).

Program subject to change: As Massachusetts requirements for licensure change, the College reserves the right to alter the program to better prepare students to meet new requirements.

Practicum5 credits

Prerequisites

- Pass all teacher tests required by your state for this license. Massachusetts: Communication & Literacy test and General Science 1-6 or 5-8 (MTEL).
- Pre-Practicum — 75 hours 0
- Pass all required courses.

SCI790 Practicum – 300 hrs in an elementary (1-6) or middle school (5-8) science classroom 3
Home state site under a science teacher with the appropriate license, under Cambridge College supervision.

SCI790A Practicum 1-6 • SCI790B Practicum 5-8

SCI791 Practicum Seminar in General Science. 2

- Exit Performance Portfolio required for credit.

Course Offerings Plan

EVERY TERM

ESE691-692 Professional Seminar start in first term
Take Communication & Literacy test first term
ESE800 Independent Learning Project term after Seminar II
ELE653 Teaching Science & Technology

Online science courses—selected courses offered each term.

SUMMER With the National Institute for Teaching Excellence

SCI680 Attaining Science Literacy
SCI682 Meth. & Mat. for Life Science
SCI684 Meth. & Mat. for Earth Science
SCI686 Meth. & Mat. for Physical Science
SCI688 Meth. & Mat. for Middle School Chem
MAT623 Numerical & Geometric Structures

FALL

SCI680 Attaining Science Literacy
SCI686 Meth. & Mat. for Physical Science
SCI790A Practicum **and** SCI791 Practicum Seminar

SPRING

MAT623 Numerical & Geometric Structures
SCI682 Meth. & Mat. for Life Science
SCI684 Meth. & Mat. for Earth Science
SCI790A Practicum **and** SCI791 Practicum Seminar

All Cambridge College courses meet for 35 contact hours/3 credits.

Course offerings plan for Cambridge, subject to change without notice. Regional centers set their own schedules.

Cambridge College School of Education

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Cambridge
College