

INTEGRATED SCIENCE LICENSURE
For Students Entering Fall 2017
(Total Semester Hours Varies)

10/10/2017

This license can only be completed in conjunction with another science area concentration. It is not a stand-alone program. Select a single or dual field concentration and complete all of those requirements plus the following courses:

Pedagogy Requirements: (4 sem. hrs. req.)

EDT 434 Science Methods For AYA	3
EDT 434L Science Methods For AYA Lab	1
STANDER SYMPOSIUM Presentation and Participation in Science https://stander.udayton.edu	

Biology Requirements: (8 sem. hrs. req.)

BIO 151 Concepts of Biology I 3	
BIO 151L Biology Laboratory Investigation I	1
BIO 152 Concepts of Biology II	3
BIO 152L Biology Laboratory Investigations II	1

Earth Science Requirements: (8 sem. hrs. req.)

GEO 115 Physical Geology	3
GEO 115L Physical Geology Laboratory	1
GEO 116 Geological History of the Earth	3
GEO 116L Geological History of the Earth Laboratory	1

Chemistry Requirements: (12 sem. hrs. req.)

CHM 123 General Chemistry I	3
CHM 123L General Chemistry I Laboratory	1
CHM 124 General Chemistry II	3
CHM 124L General Chemistry II Laboratory	1
CHM 313 Organic Chemistry I	3
CHM 313L Organic Chemistry Laboratory	1

Physics Requirements: (8 sem. hrs. req.)

PHY 201 General Physics I	3
PHY 201L General Physics I Laboratory	1
PHY 202 General Physics II	3
PHY 202L General Physics II Laboratory	1

Mathematics Requirements: (6 sem. hrs. req.)

MTH 148 Introductory Calculus I	3
MTH 149 Introductory Calculus II	3

Computer Requirements: Use of computers is required in BIO 151L, BIO 152L, PHY 210L, and PHY 211L. Students who do not possess needed skills should take CPS 111 or a higher level CPS course.

Integrated Science License: Requires a single and/or dual field concentration area, and the Integrated Science state of Ohio teaching license will be processed by the University of Dayton once ODE has issued the single and/or double field concentration license.