

# DUAL-DEGREE BS ENVIRONMENTAL SCIENCE/ MAT (4+1)

Program Contact: Christina Pavlak  
(Christina.Pavlak@quinnipiac.edu) 203-582-3199

Our Dual-Degree BS/MAT program allows you to gain the hands-on skills needed to thrive in an elementary, secondary, or special education classroom. This program enables you to seamlessly complete both your undergraduate and graduate studies in just five years. Our immersive, hands-on curriculum consists of classes, internships, and student teaching experiences to shape you as a leader in education.

First-year candidates: When you apply to Quinnipiac, please state that you are interested in becoming a teacher, or you want to explore your options to become a teacher. Once you indicate that teaching might be for you, our faculty and advisers will help you to choose the courses you need.

Current Quinnipiac student candidates: By the spring of your sophomore year, please contact the Office of Graduate Admissions to indicate you would like to learn more about becoming a teacher and complete the application. The School of Education faculty members review your grade point average (GPA) and will request an interview with you as part of your continuation in the dual-degree program.

Students in this program must complete all the requirements of the BS in Environmental Science and the MAT. The following table is a representative progression through those requirements. Students should work with their advisers on a plan that ensures their academic progression.

Course	Title	Credits
<b>First Year</b>		
<b>Fall Semester</b>		
BIO 101 & 101L	General Biology I and General Biology I Lab	4
CHE 110 & 110L	General Chemistry I and General Chemistry I Lab	4
ED 140	Introduction to Public Education and the Teaching Profession	1
EN 101	Introduction to Academic Reading and Writing (UC First Year Writing)	3
FYS 101	First-Year Seminar (UC Foundations Inquiry)	3
<b>Credits</b>		<b>15</b>
<b>Spring Semester</b>		
BIO 102 & 102L	General Biology II and General Biology Lab II	4
CHE 111 & 111L	General Chemistry II and General Chemistry II Lab	4
ED 250	Diversity, Dispositions and Multiculturalism	3
EN 102	Academic Writing and Research (UC First Year Writing)	3
ENV 350	Environmental Studies Practicum	3
<b>Credits</b>		<b>17</b>

## Second Year

### Fall Semester

CHE 210 & 210L	Organic Chemistry I and Organic Chemistry I Lab	4
ED 260	Social and Philosophical Foundations of Education	3
ENV 101	Introduction to Environmental Studies	3
ENV 220 & 220L	Environmental Science and Environmental Science Lab	4
PS 101	Introduction to Psychology	3

**Credits** 17

### Spring Semester

ENV Science Elective		4
GP 240	Fundamentals of Geographic Information Systems	3
HS 131 or HS 132	U.S. History to 1877 or U.S. History Since Reconstruction	3
PL 226	Environmental Ethics	3
PS 236	Child and Adolescent Development	3

**Credits** 16

## Third Year

### Fall Semester

ED 341 & 341L	Learning and Teaching the Developing Child and Learning and Teaching: Pedagogy Field Lab I	4
ENV 390	Environmental Writing	3
ENV Science Elective		4
MA 275	Biostatistics	3

**Credits** 14

### Spring Semester

ED 343 & 343L	Advanced Learning and Teaching in Secondary Classrooms and Advanced Learning and Teaching: Secondary Assessment Field Lab II	4
ENV 230	Sustainable Development	3
ENV Elective		3
Language Course		3
UC Elective		3

**Credits** 16

## Fourth Year

### Fall Semester

ED 409 & 409L	Reading and Writing Across the Curriculum and English Language Arts Field Lab III	4
ED 477	Teaching English Language Learners in the Mainstream Classroom	3
ENV Science Elective		4
ENV Science Elective		4

**Credits** 15

### Spring Semester

BIO 515 or CHE 515	Advanced Biochemistry or Advanced Biochemistry	4
Elective		3
IDS 400	Transdisciplinary Project	3

SPED 552 & ED 452L	Teaching in the Inclusive Classroom and Inclusive Classroom Secondary Field Lab IV	4
-----------------------	--	---

<b>Credits</b>	<b>14</b>
----------------	-----------

**Fifth Year****Fall Semester**

ED 503	Advanced Teaching Methods in Secondary Science	3
ED 502 & 502L	Teaching Methods in Secondary Biology and Science Laboratory Safety Course	4
ED 514	Graduate Seminar I	1
ED 693	Research I	2

<b>Credits</b>	<b>10</b>
----------------	-----------

**Spring Semester**

ED 601	Student Teaching	6
ED 515	Graduate Seminar II and Career Development	1
ED 694	Research II	2

<b>Credits</b>	<b>9</b>
----------------	----------

<b>Total Credits</b>	<b>143</b>
----------------------	------------