

Education

Science Education: Chemistry/Physics

OWENS CAMPUS

Fall 2021

The Science Education program will use the resources of Delaware Tech's programs and faculty in the mathematics, education, science, English, and social science departments. Technology is infused within each of the general education areas. The major electives and physics course selections allow students to complete courses that articulate to a physics or chemistry bachelor degree program.

PROGRAM SPECIFIC ADVISEMENT STATEMENT

Courses - Semester 1	Credits	Lecture	Lab
SSC 100 - First Year Seminar	1	1	0
MAT 183 - Reasoning with Functions I	5	5	
Courses - Semester 2	Credits	Lecture	Lab
ENG 101 - Composition I	3	3	0
PSY 121 - General Psychology	3	3	0
MAT 193 - Reasoning with Functions II	4	4	
CHM 110 - General Chemistry	4	3	2
Courses - Semester 3	Credits	Lecture	Lab
ENG 102 - Composition II	3	3	0
(PHY 205 - General Physics I	4	3	3
OR PHY 281 - Physics I with Calculus)	4	3	3
MAT 281 - Calculus I	4	4	1
CHM 150 - Chemical Principles I	5	4	3
Courses - Semester 4	Credits	Lecture	Lab
MAT 282 - Calculus II	4	4	1
Courses - Semester 5	Credits	Lecture	Lab
(MAT 283 - Calculus III	4	4	1
OR BIO 150 - Biology I)	4	3	2
CHM 151 - Chemical Principles II	5	4	3
(PHY 206 - General Physics II	4	3	3
OR PHY 282 - Physics II with Calculus)	4	3	3
PSY 127 - Human Development	3	3	0
Courses - Semester 6	Credits	Lecture	Lab
[(MAT 291 - Ordinary Differential Equation	4	4	1
OR MAT 288 - Linear Algebra	4	4	1
OR PHY 284 - Oscillation and Waves)	4	3	2
OR CHM 240 - Organic Chemistry I	4	3	3
SPA 136 - Spanish Communication I	4	4	1
EDC 260 - Educational Psychology	3	3	0
(HIS 111 - U. S. History: Pre-Civil War	3	3	0
HIS 112 - U. S. History: Post-Civil War)	3	3	0

Approved Electives

Select one social science elective to take in the sixth semester.

Group	Courses	Credits	Lecture	Lab
	ECO 111 - Macroeconomics	3	3	0
	ECO 122 - Microeconomics	3	3	0
	SOC 111 - Sociology	3	3	0
	ENG 124 - Oral Communications	3	3	0

*To complete program requirements, you must pass the above courses and earn at least **73 credits**. The number of courses and credits required for graduation may be more depending on your need for developmental education courses and the elective choices you make (if electives are a part of the program). Some programs also have college-level courses that you must take if you do not score at a certain level on the College Placement Test. If this applies to your program, the courses are listed at the top of the sequence sheet before the first semester of the course list.*