

ADOLESCENT EDUCATION MAJOR IN TEACHING CHEMISTRY

Campus: NYC, Westchester

Major Completion Summary

Requirement	Credits
University Core Requirements	61
Major Requirements	64-67
Total Credits	125-128

University Core Requirements

See complete University Core (<https://catalog.pace.edu/undergraduate/university-core-curriculum/>) requirements.

Code	Title	Credits
Foundation Requirements		
ENG 110	Composition	3
ENG 120	Critical Writing	4
ENG 201	Writing in the Disciplines	3
COM 200	Public Speaking	3
LOTE ¹		6
MAT 131	Calculus I	4
CHE 111	General Chemistry I	4
CIS 101	Introduction to Computing	3
UNV 101	First-Year Seminar: Introduction to University Community	1
Areas of Knowledge (AOK)		
AOK 1: Civic Engagement		
TCH 201	Education I: Understanding Schools	
AOK 2: Western Heritage		3
AOK 3: World Traditions and Culture		3
AOK 4: Humanistic and Creative Expression		3
AOK 5: Analysis of Human, Social Natural, Phenomena		3
One Additional AOK		4
CHE 112	General Chemistry II	
In-Depth Sequence		11
CHE 221	Analytical Methods and Techniques	
CHE 223	Organic Chemistry I	
CHE 224	Organic Chemistry II	
Total Credits		58

Major Requirements

Code	Title	Credits
Chemistry Content Area Requirements		
MAT 132	Calculus II	4
BIO 101	General Biology I	4
PHY 111	General Physics I	4
PHY 112	General Physics II	4
CHE 301	Physical Chemistry I: Quantum Mechanics and Spectroscopy	4
CHE 326	Biochemistry	4
CHE 331	Instrumental Analysis	4
Adolescent Education Major Requirements		
TCH 201	Understanding Schools (AOK 1)	3

TCH 211A	Child Abuse and Violence Prevention	0
TCH 211D	DASA- Harassment, Bullying, Cyberbullying and Discrimination in Schools, Prevention & Intervention	0
TCH 215	Understanding Teaching & Learning: General Curriculum Models & Methods for all Learners	3
TCH 301	Understanding Learning Environments	3
TCH 412	Literacy Instruction in the Secondary School	3
TCH 452	Understanding Language, Culture, and Education	3
TCH 475	Introduction to Special Education	3
TCH 495	Student Teaching in Adolescent Classroom	7
TCH 203	Understanding Development: Childhood and Adolescence in Context	3
TCH 309	Understanding Assessment and Evaluation	3
TCH 316	Fieldwork I: Field Experiences in Adolescent Settings	0-1
TCH 317	Fieldwork II: Field Experiences in Adolescent Settings	0-1
TCH 418	Fieldwork III: Field Experiences in Adolescent Settings	0-1
TCH 419	Student Teaching Seminar in Adolescent Settings	2
TCH 429	Teaching Science to Adolescents	3
Total Credits		64-67

Students completing this program are also eligible for General Science Certification.