

Millersville University  
Post-Baccalaureate Certification in Chemistry 7-12 Education

(Last Name) \_\_\_\_\_ (First Name) \_\_\_\_\_

Student Number \_\_\_\_\_

Dr. Daniel Albert  
Advisor \_\_\_\_\_

Undergrad GPA: \_\_\_\_\_

Admission type: \_\_\_\_\_

Note: If you have been offered Probationary Admission you must complete the TCAT requirements before taking any other program coursework.

**Required Core Courses (58.0 credits)**

Number	Title	Needed at MU	Satisfied At Admission	Grade	Notes
CHEM 111	Introductory Chemistry (4 s.h.)	_____	_____	_____	_____
CHEM 112	Introductory Chemistry II (4 s.h.)	_____	_____	_____	_____
CHEM 231	Organic Chemistry I (4 s.h.)	_____	_____	_____	_____
CHEM 232	Organic Chemistry II (4 s.h.)	_____	_____	_____	_____
CHEM 251	Inorganic Chemistry I (3 s.h.)	_____	_____	_____	_____
CHEM 265	Quantitative Analysis (4 s.h.)	_____	_____	_____	_____
CHEM 326	Biochemistry I (4 s.h.)	_____	_____	_____	_____
CHEM 341	Physical Chemistry I (4 s.h.)	_____	_____	_____	_____
CHEM 342	Physical Chemistry II (4 s.h.)	_____	_____	_____	_____
CHEM 375	Environmental Chemistry (4 s.h.)	_____	_____	_____	_____
MATH 161	Calculus I (4 s.h.)	_____	_____	_____	_____
MATH 211	Calculus II. (4 s.h.)	_____	_____	_____	_____
MATH 311	Calculus III (4 s.h.)	_____	_____	_____	_____
PHYS 231	General Physics I (5 s.h.)	_____	_____	_____	_____
PHYS 232	General Physics II (5 s.h.)	_____	_____	_____	_____

**NOTE: Students who were awarded a degree in a related content area may have some course requirements waived if they take and pass the appropriate Praxis test(s); those courses are noted with (P). Please work closely with your advisor if you wish to pursue this option.**

### Professional Education Requirements (33.0 credits)

Number	Title	Needed at MU	Satisfied At Admission	Grade	Notes
<b>Foundations Bloc (6 s.h.)</b>					
<b>A complete and valid Clearance Packet is required and must be on file prior to the semester deadlines.</b> <b>Review deadline dates and requirements here:</b> <a href="https://www.millersville.edu/fieldservices/clearances.php">https://www.millersville.edu/fieldservices/clearances.php</a>					
We recommend Post Bacc students take 590 & 545. These courses require field placement at an urban school. Offered in the evenings or online in Fall and Spring semesters. Also offered in summer session. If enrolling in EDFN 211 and EDFN 241, please register for both courses in the same bloc.					
Take one of:					
EDFN 211	Foundation Modern Education (3 s.h.)	_____	_____	_____	_____
EDFN 590	Social Foundation of Educ (3 s.h.)	_____	_____	_____	_____
Take one of:					
EDFN 241	Psyc Foundation of Teaching (3 s.h.)	_____	_____	_____	_____
EDFN 545	Advanced Educational Psych (3 s.h.)	_____	_____	_____	_____
<b>Formal Entry to the Educator Preparation Program:</b>					
<b>Students must apply for Formal Entry to the Program, meeting all APS (Advanced Professional Studies) requirements before progressing past this point:</b> <a href="https://www.millersville.edu/cert/aps.php">https://www.millersville.edu/cert/aps.php</a>					
<b>APS Bloc (15 s.h. total)</b>					
EDFN 330/530	Instructional Tech, Design & Assessment (3 s.h.)	_____	_____	_____	_____
SEED 321/521	Issues in Secondary Education (3 s.h.)	_____	_____	_____	_____
SEED 340/540	Content Area Literacy for Divrs Clrooms (3 s.h.)	_____	_____	_____	_____
SPED 346/546	Sec. Students w/ Disabilities in Inclv Sets (3 s.h.)	_____	_____	_____	_____
SEED 435	Teaching Science Secondary Schls (3 s.h.)	_____	_____	_____	_____
<b>Student Teaching Semester (12 s.h.):</b>					
<b>YOU MUST SUBMIT YOUR STUDENT TEACHING APPLICATION 1 YEAR IN ADVANCE.</b> <b>See information and deadline dates here:</b> <a href="https://www.millersville.edu/studentteaching/">https://www.millersville.edu/studentteaching/</a>					
EDSC 461	Student Teaching in Science (9 s.h.)	_____	_____	_____	_____
SEED 471	Student Teaching Seminar (3 s.h.)	_____	_____	_____	_____

Reviewed by: _____	Chemistry Certification Coordinao	Date: _____
Reviewed by: _____	Chair, Educational Foundations	Date: _____
Reviewed by: _____	Certification Officer	Date: _____

**\*\* All requirements subject to change \*\***