

BIOLOGY POST BACCALAUREATE CERTIFICATION

Advanced Professional Studies - Post-Bacc Cert

Code	Title	Hours
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COURSE REQUIREMENTS FOR APS

FOUNDATIONS COURSES - Choose 1 of the following options 1-2: 6

Option 1. Foundations Graduate Level

EDFN 590	Social Foundation of Educ
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EDFN 545	Advanced Educational Psychology
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Option 2. Foundations Undergraduate Level

EDFN 211	Foundations Modern Education
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EDFN 241	Psychological Foundations of Teaching
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ACT 126 - Educator Ethics Training

You must submit your Educator Ethics Training (If applying to APS AFTER Jan 15, 2020)

3.0 Minimum Cert GPA

undefined - See separate block

If you are given the 2.8 GPA Exception for graduation and you graduate with a GPA lower than 3.0, you must have higher certification test scores in order to meet PA state certification requirements.

REQUIRED CLEARANCES

ACT 114 - FBI Fingerprint Needed

You must submit your FBI Fingerprint Clearance

ACT 34 - Criminal Record Check Needed

You must submit your Criminal Record Check

ACT 151 - Child Abuse Clearance Needed

You must submit your Child Abuse Clearance

Negative TB Test or Chest X-ray Needed

You must submit your Negative TB Test or Chest X-ray

No dispositions-related holds

If the requirement above is checked as complete, then there are currently no dispositions-related holds on your APS Status. Registration for APS courses is permitted when all APS requirements have been met. If it is incomplete, you have a hold and APS registration will not be allowed.

APS registration status

You ARE NOT eligible to register for courses requiring APS status.

Application for APS status

When all requirements are met, you must submit application for admission to APS status. [Click here for the application.](#)

Total Hours 6

Major in Biology, Post-Baccalaureate Certification

Code	Title	Hours
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BIOLOGY FOUNDATIONS

Foundations of Biology with C- or higher		4
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BIOL 101	Foundations of Biology
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REQUIRED BIOLOGY COURSES

Biology majors must earn grades of C- (C minus) or higher in BIOL 101, 211, 221, 343, 362 and 364.

BIOL 211	Concepts of Zoology	4
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BIOL 221	Concepts of Botany	4
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BIOL 343	Principles of Ecology & Evolution	4
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BIOL 362	Cell and Developmental Biology	4
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BIOL 364	Foundations of Genetics & Molecular Biology	4
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BIOL 375	Biometry	3
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BIOL 473	Methods/Teaching Biological Issues in the Secondary School	1
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ELECTIVES

undefined - Choose 4 hours from: 4

Any BIOL course(s)

Note: This requirement may not be satisfied with BIOL 100, BIOL 204, BIOL 205, BIOL 207, BIOL 208, BIOL 247, BIOL 281, or BIOL 340.

Total Hours 32

Req Related for Biology, Post-Baccalaureate Cert

Code	Title	Hours
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CHEMISTRY

A C- or higher in CHEM 111 and 112 is a pre-requisite for CHEM 235.

CHEM 111	Introductory Chemistry 1	4
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CHEM 112	Introductory Chemistry 2	4
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Short Course in Organic Chemistry		4
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CHEM 235	Organic Chemistry
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Biochemistry Chemistry I		4
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CHEM 326	Biochemistry 1
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EARTH SCIENCE

Earth Science 200-level and above - Choose 1 class from:

Any 2-level ESCI course(s)

Any 3-level ESCI course(s)

Any 4-level ESCI course(s)

MATHEMATICS

Precalculus, Calculus I or Honors Calculus - Choose 1 of the following: 4-5

MATH 160	Precalculus
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MATH 161	Calculus 1
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MATH 163H	Honors Calculus 1
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PHYSICS

undefined - Choose 1 of the following options 1-2: 8-10

Option 1. Physics with Algebra

PHYS 131	Physics 1 with Algebra
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PHYS 132	Physics 2 with Algebra
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Option 2. Physics with Calculus

PHYS 231	Physics 1 with Calculus
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PHYS 232	Physics 2 with Calculus
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Total Hours 28-31

Professional Education - Certification

Code	Title	Hours
FOUNDATIONS BLOC		
We recommend 590 and 545 for Post-Bacc students. These courses each require 35 hours field placement at an urban school. Offered in the evenings Fall and Spring. Also offered in Summer Session. If enrolling in EDFN 211/241, please register for both courses in the same block.		
Foundations of Modern Education - Choose 1 of the following:		3
EDFN 590	Social Foundation of Educ	
EDFN 211	Foundations Modern Education	
Psychological Foundations of Teaching - Choose 1 of the following:		3
EDFN 545	Advanced Educational Psychology	
EDFN 241	Psychological Foundations of Teaching	
APS - PROFESSIONAL BLOC		
Students must meet APS eligibility requirements prior to registering. Course Appropriate PRAXIS II Exam should be taken after Professional Bloc, but prior to Student Teaching.		
Instructional Technology, Design Assessment - Choose 1 of the following:		3
EDFN 530	Instructional Technology, Design and Assessment	
EDFN 330	Instructional Technology, Design & Assessment	
Issues in Secondary Education - Choose 1 of the following:		3
EDSE 521	Issues in Second Education	
EDSE 321	Issues in Secondary Education	
Content Area Literacy for Diverse Classrooms - Choose 1 of the following:		3
EDSE 340	Content Area Literacy for Diverse Classrooms	
EDSE 540	Cntnt Area Litrcy Divers Class	
Secondary Students w/Disabilities in Inclusive Settings - Choose 1 of the following:		3
SPED 346	Secondary Students w/Disabilities in Inclusive Settings	
SPED 546	Sec Stdnts w Disab Inclu Sttgs	
EDSE 435	Teaching of Science in Secondary Schools	3
STUDENT TEACHING SEMESTER		
Students must meet APS eligibility requirements prior to registering. Submit your Teacher Certification Packet 90 days prior to completion of your certification program. Click here to access the packet on the Certification Website.		
EDSE 471	Student Teaching Seminar	3
Student Teaching		9
File your Intent to Student Teach Card one year prior to the beginning of the semester in which you wish to Student Teach. Click here to access the Student Teaching Website		
Total Hours		33