

EARTH SCIENCE POST-BACCALAUREATE CERTIFICATION

For post-baccalaureate information please see the "Certification" section of the Graduate Course Catalog.

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	Psyc Foundation 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
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Major in Earth Science, Post-Bacc Certification

Code	Title	Hours
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ESCI 221	Physical Geology (C- minimum)	4
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ESCI 222	Historical Geology	4
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ESCI 241	Meteorology (C- minimum)	4
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ESCI 245	Environmental Meteorology	3
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ESCI 261	Introduction to Oceanography (C- minimum)	4
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Additional Oceanography Course - Choose 1 of the following:		3
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ESCI 267	Field Methods in Oceanography	
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ESCI 363	Chemical Oceanography	
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ESCI 366	Marine Resources and Policy	
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ESCI 369	Physical Oceanography and Climate	
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ESCI 464	Ocean Ecosystems	
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ESCI 465	Biological Oceanography	
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ESCI 466	Environmental Oceanography	
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ESCI 468	Ocean Data Analysis and Presentation	
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300 or 400 level ESCI Elective - Choose 1 class from:

Any 3-level ESCI course(s)		
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Any 4-level ESCI course(s)		
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Total Hours	22
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Req Related for Earth Science, Post-bacc Cert

Code	Title	Hours
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MATHEMATICS

MATH 160	Precalculus	4
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MATH 161	Calculus 1 (C- minimum)	4
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PHYSICS

PHYS 131	Physics 1 with Algebra (C- minimum)	4
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PHYS 132	Physics 2 with Algebra	4
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General Astronomy or Intro to Astronomy Astrophysics - Choose 1 of the following: 3

PHYS 117	General Astronomy	
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PHYS 317	Introduction to Astronomy	
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CHEMISTRY

CHEM 111	Introductory Chemistry 1 (C- minimum)	4
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CHEM 112	Introductory Chemistry 2	4
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BIOLOGY

Demonstrated Competency in Biology

Competency may be demonstrated by: 1) a course grade of 'A' or 'B' in AP Bioogy; 2) a score of 3 or better in the national AP exam; 3) a successful score on the CLEP exam; 4) a successful score on a General Biology challenge or placement examination; 5) a passing grade for General Biology (BIOL 100)

200 level or higher Biology elective - Choose 1 class from:

Any 2-level BIOL course(s)		
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Any 3-level BIOL course(s)		
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Any 4-level BIOL course(s)		
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Total Hours	27
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Professional Education - Certification

Code	Title	Hours
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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
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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	Psyc Foundation 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	Instr Tech, 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	Cntnt Area Litrcy Divers Class	
EDSE 540	Cntnt Area Litrcy Divers Class	

Secondary Students w/Disabilities in Inclusive Settings - Choose 1 of the following: 3

SPED 346	Sec Stdnts w Disab Inclu Sttgs	
SPED 546	Sec Stdnts w Disab Inclu Sttgs	

Teaching Science in Secondary Schools 3

EDSE 435	Teaching Science Secondary Sch	
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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