

# EARTH SCIENCE 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

EDFN 545 Advanced Educational Psychology

Option 2. Foundations Undergraduate Level

EDFN 211 Foundations Modern Education

EDFN 241 Psyc Foundation of Teaching

### 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 Earth Science, Post-Bacc Certification

Code	Title	Hours
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ESCI 221 Physical Geology (C- minimum) 4

ESCI 222 Historical Geology 4

ESCI 241 Meteorology (C- minimum) 4

ESCI 245 Environmental Meteorology 3

ESCI 261 Introduction to Oceanography (C- minimum) 4

Additional Oceanography Course - Choose 1 of the following: 3

ESCI 267 Field Methods in Oceanography

ESCI 363 Chemical Oceanography

ESCI 366 Marine Resources and Policy

ESCI 369 Physical Oceanography and Climate

ESCI 464 Ocean Ecosystems

ESCI 465 Biological Oceanography

ESCI 466 Environmental Oceanography

ESCI 468 Ocean Data Analysis and Presentation

300 or 400 level ESCI Elective - Choose 1 class from:

Any 3-level ESCI course(s)

Any 4-level ESCI course(s)

**Total Hours** 22

## Req Related for Earth Science, Post-bacc Cert

Code	Title	Hours
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### MATHEMATICS

MATH 160 Precalculus 4

MATH 161 Calculus 1 (C- minimum) 4

### PHYSICS

PHYS 131 Physics 1 with Algebra (C- minimum) 4

PHYS 132 Physics 2 with Algebra 4

General Astronomy or Intro to Astronomy Astrophysics - Choose 1 of the following: 3

PHYS 117 General Astronomy

PHYS 317 Introduction to Astronomy

### CHEMISTRY

CHEM 111 Introductory Chemistry 1 (C- minimum) 4

CHEM 112 Introductory Chemistry 2 4

### 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)

Any 3-level BIOL course(s)

Any 4-level BIOL course(s)

**Total Hours** 27

## 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

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

#### 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

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**Total Hours 33**