

# TECHNOLOGY EDUCATION POST-BACCALAUREATE CERTIFICATION

## Advanced Professional Studies - Post-Bacc Cert

Code	Title	Hours
<b>COURSE REQUIREMENTS FOR APS</b>		
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	
<b>ACT 126 - Educator Ethics Training</b>		
You must submit your Educator Ethics Training (If applying to APS AFTER Jan 15, 2020)		
<b>3.0 Minimum Cert GPA</b>		
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.		
<b>REQUIRED CLEARANCES</b>		
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		
<b>No dispositions-related holds</b>		
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.		
<b>APS registration status</b>		
You ARE NOT eligible to register for courses requiring APS status.		
<b>Application for APS status</b>		
When all requirements are met, you must submit application for admission to APS status. <a href="#">Click here for the application.</a>		
<b>Total Hours</b>		<b>6</b>

## Technology Education - Post-Bacc Certification

Code	Title	Hours
<b>TECHNOLOGY LITERACY CORE</b>		
AENG 110	Communication and Information Systems	3
AENG 120	Energy Systems	3
AENG 130	Production Materials & Processes	3

AENG 140	Bio-related Technologies	3
<b>TECHNICAL CORE</b>		
AENG 322	Transportation	3
AENG 241	Drafting Communications	3
Print Media Systems or Web Publishing Interactive Media - Choose 1 of the following:		3
AENG 251	Print Media Systems	
AENG 252	Web Publishing Systems	
AENG 261	Electronic Systems	3
Processing Nonmetallic or Metallic Materials - Choose 1 of the following:		3
AENG 271	Processing Nonmetallic Materials	
AENG 281	Processing Metallic Materials	
AENG 327	Engineering Structures	3
AENG 344	Product Design	3
AENG 346	Architectural Drawing	3
AENG 435	Manufacturing Enterprise	3
<b>TECHNOLOGY ELECTIVE</b>		
Laboratory Electives - Choose 3 of the following:		9-10
AENG 243	Technical Sketching, Design & Rendering	
ITEC 245		
AENG 251	Print Media Systems	
AENG 252	Web Publishing Systems	
AENG 262	Semiconductor Electronics	
AENG 271	Processing Nonmetallic Materials	
AENG 281	Processing Metallic Materials	
AENG 325	Power Conversion and Control	
AENG 326	Fluid Power	
AENG 331	Construction Technology 1	
AENG 332	Construction Technology 2	
ITEC 336		
AENG 342	Computer-Aided Engineering Drawing	
ITEC 343		
AENG 345	Statics/Strength of Materials	
AENG 351	Digital Imaging	
AENG 355	Contemporary Printing	
AENG 356	Desktop Publishing	
AENG 357	Packaging Specialty Printing	
ITEC 363		
AENG 364	Digital Electronics	
AENG 375	Polymer and Ceramic Technology	
AENG 376	Woodworking Technology	
AENG 382	Automated Manufacturing	
ITEC 385		
AENG 425	Industrial Robotic Systems	
AENG 427	Programmable Logic Controllers	
ITEC 445		
AENG 446	Computer-Aid Drafting Design	
AENG 448	Machine Tool Design	
AENG 455	R&D in Graphic Communications and Packaging	
ITEC 465		
AENG 466	Wireless Communication Systems	

AENG 467	Mobile Robotics	
ITEC 476		
ITEC 483		
AENG 485	Adv Manufacturing Systems	
AENG 498	Independent Study	
AENG 515	Adv Prob:	
AENG 525	Adv Prob:	
AENG 535	Adv Prob:	

<b>REQUIRED EDTE COURSES - count in major GPA</b>		
EDTE 291	Foundations of Technology & Engineering Ed	3
EDTE 391	Curr & Inst in Tech & Eng Ed	3
EDTE 491	Seminar in Techn & Engring Ed	1
EDTE 496	Innovatn/Design Methodologies	2
<b>Total Hours</b>		<b>57-58</b>

### Req Related for Technology Education

Code	Title	Hours
ENGL 110	English Composition	3
General Education (G2) Math course		
Choose one MATH course with attribute G2		
Science Elective - Choose 1 of the following:		3-4
BIOL 100	General Biology	
CHEM 103	Gen Organic and Biochemistry 1	
CHEM 205		
PHYS 103	Elements of Physics	
PHYS 104	Applied Physics	
<b>Total Hours</b>		<b>6-7</b>

### 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.

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	

Foundations of Technology Education - Choose 1 of the following:		3
EDTE 291	Foundations of Technology & Engineering Ed	
EDTE 600		

Curriculum/Instruction in Technology Education - Choose 1 of the following:		3
EDTE 391	Curr & Inst in Tech & Eng Ed	
EDTE 601		

Innovation and Design Methods - Choose 1 of the following:		2-6
EDTE 496	Innovatn/Design Methodologies	
EDTE 698	Research and Development Technical Project	

### 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		
Seminar in Technology Education		1
EDTE 491	Seminar in Techn & Engring Ed	
<b>Total Hours</b>		<b>33-37</b>