

TECHNOLOGY EDUCATION 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 |

Technology Education - Post-Bacc Certification

| Code | Title | Hours |
|---------------------------------|---------------------------------------|-------|
| TECHNOLOGY LITERACY CORE | | |
| AENG 110 | Communication and Information Systems | 3 |
| AENG 120 | Energy Systems | 3 |
| AENG 130 | Production Materials & Processes | 3 |

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| AENG 140 | Bio-related Technologies | 3 |
| TECHNICAL CORE | | |
| 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 |
| TECHNOLOGY ELECTIVE | | |
| 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 | |

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| 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: | |

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| REQUIRED EDTE COURSES - count in major GPA | | |
| 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 |
| Total Hours | | 57-58 |

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 | |
| Total Hours | | 6-7 |

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.

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| 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.

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| 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 | |

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

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

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| 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.

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| 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 | |
| Total Hours | | 33-37 |