Bachelor of Science (BS)  
Degree Code  545 *  
Concentration Code  545 B  
Teaching  

Program of Study for  
Technology & Environmental Design Majors  
Technology Education  
Secondary Education Concentration  

I. GENERAL EDUCATION  
1. (PHY 1103 and 1104 or higher for majors fulfills the Science Perspective. Math 1025 or higher fulfills the Quantitative Literacy. TEC 2029 may count toward General Education if completing a theme).  

II. PROFESSIONAL EDUCATION  
(A minimum grade of “C” is required in each professional education course).  
NOTE: To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing, and Math areas of the PRAXIS (PPST or CBT). The PRAXIS II Area Exams are required for student teaching. For more detailed information please go to Reich College of Education.  

III. MAJOR REQUIREMENTS  
An overall 2.50 GPA is required in the major. 18 semester hours must be completed at Appalachian.  
A “C” or better is required in all Technical & Pedagogy Coursework.  
Junior Writing in the Discipline (WID) _____ & Senior Capstone Experience (CAP) _____ must be met.  

Foundation Coursework (15 sh)  
MAT 1025 _____ (4) Algebra & Elementary Functions (or higher) (Prerequisites: pass Math Placement Test or MAT 1010) 
PHY 1103 _____ (4) General Physics I (Co-prerequisite: MAT 1025) (GEN ED: Science Inquiry Perspective) 
PHY 1104 _____ (4) General Physics II (Pre-prerequisite: PHY 1103) (GEN ED: Science Inquiry Perspective) 
TEC 2029 _____ (3) Society and Technology (GEN ED: Local to Global Perspective) 

Technical Coursework (18 sh)  
TEC 1017 _____ (3) Communications Technology 
TEC 1728 _____ (3) Architectural Graphics and Computer Modeling (Pre/Corequisite: TEC 2708) 
TEC 2188 _____ (3) Transportation Systems & Devices 
TEC 2708 _____ (3) Construction Technology 
TEC 3039 _____ (3) Materials Science (Prerequisites: PHY 1103 and MAT 1025) 
IND 1010 _____ (3) CAD I: Imaging 

Pedagogy Coursework (16 sh)  
TEC 3009 _____ (3) Intro to the Technology Teaching Profession (WID) (Pre/Corequisite: TEC 2029) 
TEC 4619 _____ (3) Curriculum Development in Career & Technology Education 
TEC 4629 _____ (3) Organization & Management of Career & Technology Education 
TEC 4639 _____ (3) Career and Technical Student Organizations 
TEC 4660 _____ (3) Instructional Strategies in Career and Technology Education 
TEC 4910 _____ (1) Practicum in Career and Technology Education (Pre/Corequisite: TEC 4660) 

Advanced TEC Coursework (6 sh)  
(Chosen in consultation with program advisor, 2000 level or higher)  

*Major requirements that may count toward Gen. Ed:  

Total Major Hrs.: 55  
Gen Ed: up to 15  
Net Major Hrs.: 40  

**Second Academic Concentration: 3 – 8 Hours depending on choices may count toward the General Education or Major Requirements.  

Total SAC Hrs.: 18  
Gen Ed/Mjr Req: (8 to 3)  
Net SAC Hrs.: 10-15  

IV. SECOND ACADEMIC CONCENTRATION  
Choose from the following: Science, Technology, Engineering & Mathematics; Sustainable Design & Technology; Materials Science; or Graphic Communication.  

V. FREE ELECTIVES  
(to total 122 sh for this major)  

2 sh of free electives outside the major discipline are required.  

Net SAC Hrs.: 122 - 128