

**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** ..... 44  
 (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** ..... 24  
 (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](#).**

- C I 2300 \_\_\_\_ (2) Teaching & Learning in the Digital Age (Required prior to admission to teacher education)
- FDN 2400 \_\_\_\_ (2) Critical Perspectives on Learning and Teaching (Required prior to admission to teacher Education) (Prerequisite or corequisite C I 2300)
- PSY 3010 \_\_\_\_ (3) Psychology Applied to Teaching (Prerequisite or corequisite C I 2300) (May be taken prior to admission to teacher education)
- SPE 3300\* \_\_\_\_ (3) Creating Inclusive Learning Communities (Prerequisites: C I 2300, FDN 2400, PSY 3010) (Admission to teacher education required).
- C I 3400\* \_\_\_\_ (2) Policies & Practices in Educational Assessment (Prerequisites: CI 230, FDN 2400, PSY 3010) (Admission to teacher education required).
- C I 4900\* \_\_\_\_ (12) Student Teaching (S/U) (CAP)**

\*Admission to Teacher Education Required

**III. MAJOR REQUIREMENTS** ..... 55

**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-requisite: MAT 1025) (GEN ED: Science Inquiry Perspective)
- PHY 1104 \_\_\_\_ (4) General Physics II (Pre-requisite: 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)

*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

**Advanced TEC Coursework (6 sh)**

(Chosen in consultation with program advisor, 2000 level or higher)

\_\_\_\_\_ (3) \_\_\_\_\_ (3) \_\_\_\_\_

**IV. SECOND ACADEMIC CONCENTRATION** ..... 18

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

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**V. FREE ELECTIVES (to total 122 sh for this major)** ..... 2 - 4

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