

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 in the major 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 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.

_____ (3) _____ (3) _____

_____ (3) _____ (3) _____

_____ (3) _____ (3) _____

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

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