

**Bachelor of Science (BS)**  
**Non-Teaching**  
**Degree Code 544 A**

**Checksheet for Technology Majors**  
**Ind Tec/Electronics**

**I. CORE CURRICULUM.....44 - 46**

- Math 1025\_\_\_\_(4) (ND) (C- Minimum)
- PHY 1150\_\_\_\_(5) (ND) and PHY 1151\_\_\_\_(5) (ND)
- OR**
- PHY 1103\_\_\_\_(4) (ND) and PHY 1104\_\_\_\_(4) (ND)

**II. MAJOR REQUIREMENTS..... 76**

*An overall 2.0 GPA is required in the major/18 sh must be completed at Appalachian*

**Mathematics (8 sh)**

- Math 1110\_\_\_\_(4) (ND) Calculus with Analytical Geometry I (C- minimum)
- Math 1120\_\_\_\_(4) (ND) Calculus with Analytical Geometry II

**Technology Core (55 sh)**

- TEC 1001\_\_\_\_(3) Technical Drafting I
- TEC 1023\_\_\_\_(3) (ND) Introduction to Electronics
- TEC 1123\_\_\_\_(3) (ND) AC/DC Circuit Analysis
- TEC 2033\_\_\_\_(3) (ND) Active Circuits
- TEC 2043\_\_\_\_(3) (ND) Introductory Digital Electronics
- TEC 2803\_\_\_\_(3) (W/C) Intro to Industrial Applications of Computers
- TEC 3001\_\_\_\_(3) (ND/C) Fundamentals of CAD & Design
- TEC 3003\_\_\_\_(3) (ND) Linear Systems
- TEC 3013\_\_\_\_(3) Electronic Communication
- TEC 3023\_\_\_\_(3) (ND) Digital Systems
- TEC 3053\_\_\_\_(3) (C) Electronic Troubleshooting Techniques
- TEC 3520\_\_\_\_(1) Instructional Assistance
- TEC 4093\_\_\_\_(3) Senior Design & Fabrication Project
- TEC 4563\_\_\_\_(3) (C) Intro to Microprocessors
- TEC 4573\_\_\_\_(3) Control System Technology
- TEC 4583\_\_\_\_(3) (C) Advanced Microprocessors

9 sh of Technology Electives (may include an internship):

\_\_\_\_\_ (9)

**Interdisciplinary Courses (13 sh)**

- ENG 3700\_\_\_\_(3) (S/W) Technical Writing
- COM 2101\_\_\_\_(3) (S) Public Speaking ("C" minimum)
- PHY 3630\_\_\_\_(3) Digital Electronics
- PHY 4635\_\_\_\_(4) Advanced Microprocessor Interfacing & Robotics

<b>Major Designators</b>	
2 Writing (W)	___ ___
1 Speaking (S)	___
*Com Prof	___
*A "C" minimum in COM 2101 satisfies Communication Proficiency	
<b>Other Designators</b>	
4 Writing (W)	___ ___ ___ ___
(English 1000/1100 will count as 2 W)	
4 Multi-cul (MC)	___ ___ ___ ___
(His 1101/1102 will count as 2 MC)	
2 Num Data (ND)	___ ___
2 Computer (C)	___ ___
1 Cross-dis (CD)	___

**III. MINOR NOT REQUIRED**

**IV. FREE ELECTIVES (to total a minimum of 122 sh)..... 2 - 3**

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