

Technology Devices Maintenance 15.1202.00

Program Description, Industry Credential, Coherent Sequence, and Teacher Certification

PROGRAM DESCRIPTION

The **Technology Devices Maintenance** instructional program prepares students to design, development, installation, implementation, use, and management of computers and various computer devices. Students who successfully complete the **Technology Devices Maintenance** program's coherent sequence of instruction will develop effective methods to troubleshooting problems using effective communication skills by asking key questions, listening for technical problems and, in turn, explaining problems in an understandable way.

Throughout the **Technology Devices Maintenance** instructional program, students learn and use appropriate diagnostic tools to assess and diagnose problems on computers, laptops, I-pads, printers and or cellphones. Advanced critical thinking skills will be developed with applied interpersonal relations, life skills, business, economic, and leadership skills as well as workplace employability skills.

The **Technology Devices Maintenance** Career and Technical Education program is delivered as a coherent sequence of courses designed to offer students' knowledge and skills that meet the needs of the workplace. The Professional Skills developed by business and industry leaders across Arizona are integrated throughout the program. **Technology Devices Maintenance** students develop leadership, social, civic, and career skills through participation in the state-recognized Career and Technical Student Organizations, SkillsUSA or FBLA (Future Business Leaders of America).

The **Technology Devices Maintenance** instructional program prepares students for entry-level employment, further training, and/or post-secondary education for these and other occupations: Applications Specialist, Desktop Technician, Field Service Technician, Hardware Technician/Engineer, Help Desk Technician/Manager, IT Designer, IT Systems Administrator, IT Support Technician, PC Technician, Program Analyst, Security Systems Technician, Systems Analyst, Systems Operations Specialist, Systems Support Technician, Technical Sales Representative, Technical Support Technician/Manager, Technical Writer, Telecommunications Support Technician, and Training Manager

INDUSTRY CREDENTIALS

The following credentials have been approved for the A-F CCR and are CTED eligible for the **Computer Maintenance** instructional program:

- CompTIA - A+
- CompTIA - IT Fundamentals
- CompTIA - Network+
- CompTIA - Security +
- Microsoft Office Specialist (MOS) – Associate for 2016
- Microsoft Office Specialist (MOS) – Associate for 2019
- Microsoft Office Specialist (MOS) – Associate for Office 365
- Microsoft Office Specialist (MOS) – Expert for 2016
- Microsoft Office Specialist (MOS) – Expert for 2019

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- Microsoft Office Specialist (MOS) – Expert for Office 365

The following industry credential has been approved to meet CTED eligibility for the **Computer Maintenance** instructional program:

- TestOut PC Pro Certification

COHERENT SEQUENCE

15.1202.11 – Technology Devices Maintenance I, **and**

15.1202.20 – Technology Devices Maintenance II, **and program may elect to add:**

15.1202.25 – Technology Devices Maintenance III, **or**

15.1202.60 – Technology Devices Maintenance IV, **or**

15.1202.70 – Technology Devices Maintenance – DCE (Diversified Cooperative Education) **or**

15.1202.75 – Technology Devices Maintenance – Internship, **or**

15.1202.80 – Technology Devices Maintenance – Cooperative Education

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TEACHER CERTIFICATION REQUIREMENTS

The instructor must be ADE/CTE certified in one of the following Certificates:

SCTBM	Standard Career and Technical Education Business and Marketing
SSCTEBM	Standard Specialized Career and Technical Education Business and Marketing
SCTIET	Standard Career and Technical Education Industrial and Emerging Technologies
SSCTEIET	Standard Specialized Career and Technical Education Industrial and Emerging Technologies

- Note:
- Technology Devices Maintenance 15.1202.70 (DCE) requires a CTE Teacher to have the Cooperative Education Endorsement (CEN).
 - Technology Devices Maintenance 15.1202.75 (Internship) **does not** require a CTE Teacher to have a Cooperative Education Endorsement (CEN).
 - Technology Devices Maintenance 15.1202.80 (Cooperative Ed.) requires CTE Teacher to be appropriately certified for the program and to have a Cooperative Education Endorsement (CEN).