

MECHATRONICS INTEGRATED TECHNOLOGIES 1- 4
CODE: 6210, 6211, 6212, and 6213
ADDITIONAL MATERIALS/RESOURCES

[Textbook and Resources](#)
[Common Career Technical Core Standards](#)
[Institute for Women in Trades, Technology, & Science](#)
[NCCER](#)

CAREER AND TECHNICAL STUDENT ORGANIZATIONS (CTSO):

[First Robotics](#)
[SkillsUSA](#)
[Vex Robotics](#)

CREDENTIALS:

[OSHA](#)
[CPR](#)
[NC3](#)

VENDORS:

[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)
[MSC](#)

AC/DC CIRCUITS

[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)
[TinkerCad \(Circuit Builder\)](#)
[Electronics Express](#)
[SME ToolingU](#)
[Dac Trainer AC/DC](#)

ELECTRICAL INDUSTRIAL CONTROLS

[SME ToolingU](#)
[Amatrol](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)

FLUID POWER (PNEUMATICS)

[SME ToolingU](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)
[Amatrol](#)
[Meclabs](#)
[Festo industrial Pneumatics Trainer](#)
[Festo industrial HydraulicsTrainer](#)
[Festo industrial Electro-Pneumatics Low-Cost Trainer](#)

HAND AND POWER TOOL OPERATIONS

[MSC](#)
[Amatrol](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)

INDUSTRIAL SAFETY

[SME ToolingU](#)
[CareerSafe OSHA Certification](#)
[NCCER Core Curriculum Textbook](#)
[Amatrol](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)

MOTOR CONTROLS AND STARTERS

[SME ToolingU](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)

PRECISION MEASUREMENT TOOLS

[MSC](#)
<https://www.allegenyedusys.com/product/amatrol-electrical>
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)

[Starrett Tools](#)
[SME ToolingU](#)

MECHANICAL DRIVE SYSTEMS

[MSC](#)
[Festo Didactic](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)
[SME ToolingU](#)

PROGRAMMABLE LOGIC CONTROLLERS (PLC)

[SME ToolingU](#)
[Siemens](#)
[Allen Bradley](#)
[Click PLC](#)
[Carolina Training Associates](#)
[Learning Labs](#)
[Southern Educational Systems](#)
[Technical Training Aids](#)
[Realpars \(Videos\)](#)

ROBOTICS

[ABB](#)
[Fanuc](#)
[Kuka](#)
[Festo Robotic Arm](#)
[SME ToolingU](#)

MAGAZINES:

[SME Media](#)
[STEM Jobs Magazine](#)

SOFT SKILLS AND CAREER READINESS

[CTECS Learning Modules](#)
[Microburst Employability](#)
[Virginia CTE Education Resource Center](#)
[Vocational Information Center: Skills for Today's Workforce](#)
[Tallo](#) (Resume' Builder)
[SME ToolingU](#)

APPS:

[Quizlet \(vocabulary word building\)](#) [Socrative: Quiz](#)

[Builder](#)

[Get Kahoot: Online interactive classroom activities](#)

[SC Mechatronics Weebly](#) must contact [Steven Watterson](#) for password.

[TinkerCad \(Circuit Builder\)](#)

[Formative](#) (Real-Time Formative Instruction)

[Google Classroom](#)

[Microsoft Teams](#)