

# FST

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## Courses

### **FST 100 Fire Cadet Fundamentals**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on preparing for public service as a firefighter. Topics include: drill and ceremony, critical thinking, public and personal safety, self-reflection and discipline, radio communication including MAYDAY, drivers' education, and CPR for healthcare providers.

Prerequisites: AFL 085 and AFM 095, or appropriate placement scores. Students must pass a physical agility test

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=100subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=100subject_code=FST))

### **FST 103 Evolution of the Fire Service**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on the growth of the fire service from its creation through the 21st century. Topics include: changes in suppression methods, building codes, and rescue techniques; administrative philosophies; and personnel behaviors.

Prerequisites: None

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=103subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=103subject_code=FST))

### **FST 105 Fire Cadet Physical Preparedness**

**2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on preparing fire cadets for the rigors of fire training. Topics include: physical preparedness, and balanced physical conditioning that incorporates all basic factors of fitness.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=105subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=105subject_code=FST))

### **FST 107 Home Safety**

**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on identifying common hazards that place individuals and families at risk for injury and/or crisis. Topics include: home, fire, and child safety; health hazards; severe weather safety; and driving and water safety.

Prerequisites: None

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=107subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=107subject_code=FST))

### **FST 108 Emotional Preparedness for Public Safety Professionals**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on dealing with emotions and stresses that result from caring for the sick, injured, and dying. Topics include: concepts and techniques from the fields of sociology, philosophy, religion, and health education.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=108subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=108subject_code=FST))

### **FST 110 Portable Fire Extinguishers**

**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on fundamentals of fire and fire extinguishing. Topics include: elements that support a fire, and using equipment to efficiently extinguish Class A, B, and C type fires.

Prerequisites: None

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=110subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=110subject_code=FST))

### **FST 116 Fire Apparatus and Equipment Maintenance**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on operating, maintaining, and repairing internal combustion engines. Topics include: small gas power engines used in the fire service, daily inspections of fire apparatus and equipment, and pre- and post-run inspections of vehicles.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=116subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=116subject_code=FST))

### **FST 120 Fire Behavior and Combustion**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on theories and fundamentals of how and why fires start and spread, and how fires are controlled. Topics include: the chemistry of fire, combustion and heat transfer, stages of fire growth, toxic gases and smoke, and extinguishing agents.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course\\_number=120subject\\_code=FST](http://webapps.cincinnati-state.edu/wwwTools/MCL/default.aspx?course_number=120subject_code=FST))

**FST 121 Fire Investigation 1**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on fundamentals of proper fire scene interpretations. Topics include: recognizing origin location and cause, preserving evidence and documentation, scene security, motives of the fire setter, and types of fire causes.

Prerequisites: None

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=121subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=121subject_code=FST))

**FST 123 Principles of Emergency Services**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on fire protection as an industry. Topics include: philosophy and history of fire services, fire departments as part of local government, protection systems, regulations and laws, and introductory fire ground strategy and tactics.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=123subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=123subject_code=FST))

**FST 124 Fire and Emergency Services Administration**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on organization and management of a fire department. Topics include: the relationship of government agencies to the fire service, fire and emergency services, and ethics and leadership from the perspective of the company officer.

Prerequisites: FST 123

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=124subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=124subject_code=FST))

**FST 126 Fire Protection Systems**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on design and operation of fire alarm systems. Topics include: water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection, and portable fire extinguishers.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=126subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=126subject_code=FST))

**FST 129 Fire Prevention**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on fundamental concepts of fire prevention. Topics include: history, philosophy, organization, and operation of a fire prevention bureau; use and application of codes and standards; plan review; fire inspections; fire and life safety education; and fire investigation.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=129subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=129subject_code=FST))

**FST 130 Volunteer Firefighter**

**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A course on fundamentals for the volunteer firefighter, using the Ohio Department of Public Safety objectives for volunteer firefighter certification. Topics include: safety, fire behavior, personal protective equipment, ventilation, tools, ground ladders, water supply, and overhaul.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=130subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=130subject_code=FST))

**FST 133 Firefighter 1 Transition**

**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course for volunteer firefighters seeking the Firefighter 1 level, using the Ohio Department of Public Safety objectives for volunteer-to-Firefighter 1 certification. Topics include: safety, hoses and streams, fire extinguishers, ladders, ropes, ventilation, forcible entry, and live fire training.

Prerequisites: FST 130

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=133subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=133subject_code=FST))

**FST 136 Emergency Vehicle Operator**

**2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course on safe driving practices while responding in emergency vehicles. Topics include: techniques for safe operation, post-collision analysis, and unsafe practices during emergency response. Students must have a valid driver's license.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=136subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=136subject_code=FST))

**FST 141 Firefighter 1****5 Credits. 3 Lecture Hours. 6 Lab Hours.**

A course covering NFPA 1001 Firefighter 1 objectives. Topics include: ladders, personal protection clothing, SCBA, fire extinguishers, search and rescue, ropes and knots, and hoses and nozzles. Students must successfully complete a state test to obtain Ohio Firefighter certification. PROBOARD accreditation is available for interested students.

Prerequisites: FST 100

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=141subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=141subject_code=FST))

**FST 142 Firefighter 2****5 Credits. 3 Lecture Hours. 6 Lab Hours.**

A continuation of FST 141, covering NFPA 1001 Firefighter 2 objectives. Topics include: fire streams and foam, auto extrication, fire control, fire protection systems, and pre-incident surveys. Students must successfully complete a state test to obtain Ohio Firefighter certification. PROBOARD accreditation is available for interested students.

Prerequisites: FST 141

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=142subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=142subject_code=FST))

**FST 145 Career Firefighter 1 and 2****10 Credits. 6 Lecture Hours. 12 Lab Hours.**

A course covering NFPA 1001 Firefighter 1 and 2 objectives. Topics include ladders, personal protective clothings and equipment, fire extinguishers, search and rescue, fire streams, foam, fire control and auto extraction. PROBOARD accreditation is available for interested students. Students must pass the state test before Firefighter certification is awarded.

Prerequisites: FST 100

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=145subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=145subject_code=FST))

**FST 153 Fire Service Technology Blueprint Reading****3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on reading computer-generated drawings used in fire services. Topics include: interpreting architectural and civil engineering symbols and abbreviations; and understanding civil, architectural, electrical, mechanical, and fire protection drawings.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=153subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=153subject_code=FST))

**FST 158 Fire Alarm Basics****2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on fundamentals of fire alarm systems. Topics include: system components, operation and application of systems, building codes, and regulatory standards.

Prerequisites: AFM 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=158subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=158subject_code=FST))

**FST 161 Fire Officer 1****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A course on preparing for the role of company officer, using NFPA 1021 Fire Officers Professional Qualifications Level 1 objectives. Topics include: human resource management, community and government relations, inspections, investigations, emergency service delivery, and safety. This course is delivered in an online format.

Prerequisites: FST 142

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=161subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=161subject_code=FST))

**FST 162 Fire Officer 2****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A continuation of FST 161, using standards defined for NFPA 1021 Fire Officers Professional Qualifications Level 2. This course is delivered in an online format.

Prerequisites: FST 161

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=162subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=162subject_code=FST))

**FST 163 Fire Officer 3****4 Credits. 4 Lecture Hours. 0 Lab Hour.**

A continuation of FST 162, using standards defined for NFPA 1021 Fire Officers Professional Qualifications Level 3. This course is delivered in an online format.

Prerequisites: FST 162

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=163subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=163subject_code=FST))

**FST 164 Occupational Health and Safety for Emergency Services**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on basic concepts of occupational health and safety related to emergency service organizations. Topics include: risk and hazard evaluation, and control procedures.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=164subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=164subject_code=FST))

**FST 198 First Year Special Topics in Fire Service Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Fire Service Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=198subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=198subject_code=FST))

**FST 199 First Year Independent Project in Fire Service Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Fire Service Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Fire Service Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=199subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=199subject_code=FST))

**FST 210 Crew Resource Management**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on effects of human error during fire ground operations, using concepts from commercial aviation that apply to fire services. Topics include: communication, teamwork, situational awareness, critical decision making, and decreasing injuries and deaths during firefighting. This course is delivered in an online format.

Prerequisites: FST 142 or FST 145

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=210subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=210subject_code=FST))

**FST 218 Wildfire Behavior and Suppression**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on knowledge and skills needed to extinguish wildfires. Topics include: factors affecting the start and spread of wildfires, and recognizing potentially hazardous situations.

Prerequisites: FST 100

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=218subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=218subject_code=FST))

**FST 222 Fire Investigation 2**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A continuation of FST 121. Topics include: rules and laws, fire scene analysis, fire behavior, evidence preservation, documentation, case preparation, and courtroom testimony.

Prerequisites: FST 121

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=222subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=222subject_code=FST))

**FST 223 Principles of Fire and Emergency Services Safety and Survival**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on the history and basic principles of the national firefighter life safety initiatives, focusing on the need for cultural change throughout the emergency services.

Prerequisites: FST 142 or FST 145

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=223subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=223subject_code=FST))

**FST 225 Fire Protection Hydraulics and Water Supply**

**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on understanding principles of water for fire protection, and understanding principles of hydraulics used to analyze and overcome challenges of applying sufficient water for fire suppression.

Prerequisites: FST 142

View Sections ([http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course\\_number=225subject\\_code=FST](http://webapps.cincinnatiastate.edu/wwwTools/MCL/default.aspx?course_number=225subject_code=FST))

**FST 226 Building Construction for Fire Protection****3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on building construction in relation to firefighting and life safety. Topics include: elements of construction and design, building inspection factors, pre-planning fire operations, and safe operations during emergencies.

Prerequisites: FST 141

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=226subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=226subject_code=FST))

**FST 228 Legal Aspects of the Emergency Services****3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on legal issues related to emergency services. Topics include: the American legal system; recent court decisions, events, and statutes; Americans with Disabilities Act; Family Medical Leave Act; Fair Labor Standards Act; and HIPAA.

Prerequisites: FST 100

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=228subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=228subject_code=FST))

**FST 229 Strategies and Tactics for Fire Suppression****2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on principles of fire ground control using personnel, equipment, pre-incident planning, and extinguishing agents.

Prerequisites: FST 142

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=229subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=229subject_code=FST))

**FST 236 Fire Apparatus Operator****3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on theory and operation of engines and pumpers used in firefighting. Topics include: equipment operation; troubleshooting; and demonstration and practice of fire ground water flow scenarios.

Prerequisites: FST 142 or FST 145

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=236subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=236subject_code=FST))

**FST 258 Rapid Assistance and Self-Rescue Operations****2 Credits. 1 Lecture Hour. 3 Lab Hours.**

A course on saving your own life or saving lives of other firefighters. Topics include: MAYDAY, fire ground safety, communications, self awareness, rapid entry team preparedness, and survival techniques.

Prerequisites: FST 142

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=258subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=258subject_code=FST))

**FST 265 Fire Service Instructor****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on techniques for teaching adult learners knowledge and skills required for the Fire Services field, using NFPA 1041 Instructor 1 and 2 objectives. Topics include: domains of learning, learning outcomes and objectives, classroom preparedness, student safety, and legal obligations. Students must have five years experience as a firefighter.

Prerequisites: FST 142 and Instructor consent

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=265subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=265subject_code=FST))

**FST 268 Fire Safety Inspector****3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on fire safety inspection procedures and responsibilities, using NFPA 1031 objectives. Students who are members of an Ohio Fire Department may take the state exam for Fire Safety Inspector at the end of the course.

Prerequisites: FST 142

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=268subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=268subject_code=FST))

**FST 294 Internship 1: Fire Service Technology****2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in an unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: FST 142 (minimum grade C)

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=294subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=294subject_code=FST))

**FST 298 Second Year Special Topics in Fire Service Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Fire Service Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=298subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=298subject_code=FST))

**FST 299 Second Year Independent Projects in Fire Service Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Fire Service Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Fire Service Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section

View Sections ([http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course\\_number=299subject\\_code=FST](http://webapps.cincinnati.state.edu/wwwTools/MCL/default.aspx?course_number=299subject_code=FST))