

ACC DEGREE TRACKING WORKSHEET

NAME _____ STUDENT ID _____

FIRE PROTECTION TECHNOLOGY Associate of Applied Science Degree: Minimum 63 Semester Hours 2009-2010 Catalog

The Associate of Applied Science degree in Fire Protection Technology includes courses in the Arts and Sciences curriculum as well as a wide array of Fire Science courses to prepare the student for further attainment of their educational goals and/or employment within the Fire Protection profession. Students should consult with departmental advisors for transferable courses prior to enrollment. The Associate of Applied Science degree plan requires that the student successfully pass a capstone course during the last semester of their program. Graduates of any Texas Fire Commission certified Basic Firefighter Academy who successfully pass the State Certification Exam and completes a minimum of three semester hours from Austin Community College toward the AAS Degree in Fire Protection may be granted twelve semester hours credit. Student should contact the Department to determine eligibility for this credit.

<i>Program Course #</i>	<i>Course Title</i>	<i>Sem Hrs.</i>	<i>Sem Taken</i>	<i>Grade</i>	<i>College (If not ACC)</i>
MATH	Mathematics ²	3			
SCIENCE	Natural Science ²	3-4			
ELECTIVE	Unrestricted Elective	3			
ENGL 1301	English Composition I	3			
ENGL 2311+	Technical & Business Writing	3			
SPCH 1315	Fundamentals of Public Speaking	3			
GOVT 2306+	Texas State and Local Government	3			
PHIL 2306	Ethics	3			
COSC 1301	Personal Computing	3			
	Minimum Gen Ed Requirements	27			
FIRT 1303	Fire and Arson Investigation I	3			
FIRT 1307	Fire Prevention Codes and Inspections	3			
FIRT 1309	Fire Administration I	3			
FIRT 1315	Hazardous Materials I	3			
FIRT 1349+#	Fire Administration II	3			
FIRT 1353	Legal Aspects of Fire Protection	3			
FIRT 2305	Fire Instructor I	3			
FIRT 2309	Firefighting Strategies and Tactics I	3			
FIRT Elective 1	Fire Elective ¹	3-5			
FIRT Elective 2	Fire Elective ¹	3			
FIRT Elective 3	Fire Elective ¹	3			
FIRT Elective 4	Fire Elective ¹	3			
	Minimum Fire Science Requirements	36			
	Degree Requirements	63-66			

¹ Fire Elective Options: **FIRT 1301, FIRT 1319, FIRT 1327, FIRT 1338, FIRT 1345+, FIRT 2307+, FIRT 2333+, EMSP 1501.**

² Select from the appropriate section of the General Education Course List.

+ Prerequisites: See Course Descriptions.

Capstone course

Final approval of degree plan for graduation is provided by the Admissions Office. Application for graduation must be on file in the Admissions Office before the published deadline of the student's final semester. The ACC Catalog contains important information about graduation.

ACC COURSE DESCRIPTIONS

FIRT 1301 FUNDAMENTALS OF FIRE PROTECTION (3-3-0). Study of the philosophy, history and fundamentals of public and private fire protection. Topics include statistics of fire and property loss, agencies involved in public and private protection, legislative development, departmental organization, training and staffing. [Skills: E](#) () Course Type: W

FIRT 1303 FIRE AND ARSON INVESTIGATION I (3-3-0). In-depth study of basic fire and arson investigation practices. Emphasis on fire behavior principles related to fire cause and origin determination. Skills: E

FIRT 1307 FIRE PREVENTION CODES AND INSPECTIONS (3-3-0). Study of local building and fire prevention codes. Emphasis on fire prevention inspections, practices, and procedures. Skills: E

FIRT 1309 FIRE ADMINISTRATION I (3-3-0). Introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer. Skills: E

FIRT 1315 HAZARDOUS MATERIALS I (3-3-0). This is a basic course designed for first responders (police, fire, medical) to hazardous materials incidents. The course materials include an introduction to Haz-Mat, identifying hazardous materials, community risk assessment, command and control of incidents, and operations at incidents. Federal, state, and local regulations that apply to hazardous material will also be studied. Recognition of shipping containers and knowledge of labels, placards, and other marking systems will be learned. Skills: E

FIRT 1319 FIREFIGHTER HEALTH AND SAFETY (3-3-0). Study of firefighter occupational safety and health in emergency and non-emergency situations. [Skills: E](#) () Course Type: W

FIRT 1327 BUILDING CONSTRUCTION IN FIRE SERVICE (3-3-0). Exploration of building construction and design related to fire spread and suppression in various structures. Examination of potential hazards resulting from construction practices and materials. [Skills: E](#) () Course Type: W

FIRT 1338 FIRE PROTECTION SYSTEMS (3-3-0). Study of fire detection, alarm, and extinguishing systems. Skills: E () Course Type: W

FIRT 1345 HAZARDOUS MATERIALS II (3-3-0). This is an advanced course designed for first responders (police, fire, medical) to hazardous materials incidents. The course materials include the technical requirements for identifying hazardous materials, community risk assessment, command and control of incidents, and operations at incidents. Federal, state, and local regulations that apply to hazardous material will also be studied. This course is a continuation of the subject matter presented in Hazardous Materials I. It is designed to prepare the student for the technician level challenges associated with hazardous material incidents. Skills: E Prerequisites: FIRT 1315.

FIRT 1349 FIRE ADMINISTRATION II (3-3-0). In-depth study of fire service management as pertaining to budgetary requirements, administration, organization of divisions within the fire service, and relationships between the fire service and outside agencies. This course is a continuation of the subject matter presented in Fire Administration I. It is designed to prepare the student for middle and upper level management challenges in the fire service. Skills: E Prerequisites: FIRT 1309.

FIRT 1353 LEGAL ASPECTS OF FIRE PROTECTION (3-3-0). Study of the rights, duties, liability concerns, and responsibilities of public fire protection agencies while performing assigned duties. Skills: E

FIRT 2305 FIRE INSTRUCTOR I (3-3-0). Preparation of public safety personnel to effectively teach technical skills, techniques, and information. Course is designed to meet the Texas Fire Commission requirement for Instructor I certification. Skills: G

FIRT 2307 FIRE INSTRUCTOR II (3-3-0). Advanced course to better prepare public safety personnel to develop and facilitate technical skills, techniques, and information type training programs. Course is designed to meet the Texas Fire Commission requirement for Instructor II certification. Skills: G Prerequisites: FIRT 2305.

FIRT 2309 FIREFIGHTING STRATEGIES AND TACTICS I (3-3-0). This course is designed to meet specific needs of fire officers with responsibilities to manage the operations of companies in structural firefighting operations. The course components include preparations for response and decision making. The foundation of the course is an extensive use of simulation to provide application of concepts and the development of skills. Skills: E

FIRT 2333 FIRE AND ARSON INVESTIGATION II (3-3-0). Continuation of Fire and Arson Investigation I. Topics include reports, courtroom demeanor, and expert witnesses. Skills: E Prerequisites: FIRT 1303. () Course Type: W

EMSP 1501 EMT -- BASIC (5-3-6). Introduction to the level of Emergency Medical Technician (EMT)--Basic. Includes all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services. **Co requisite: EMSP 1160.** Fee: \$24 Insurance: \$3.50 Skills: P Course Type: W

ENGL 1301 ENGLISH COMPOSITION I (3-3-0). A study of the principles of composition with emphasis on language, the mechanics of writing, the types of discourse, and research and documentation. Skills: E

ENGL 2311 TECHNICAL & BUSINESS WRITING (3-3-0). Principles, techniques, and skills needed to conduct scientific, technical, or business writing. Instruction in the writing of reports, letters, and other exercises applicable to a wide range of disciplines and careers. Emphasis on clarity, conciseness, and accuracy of expression. Research techniques, information design, effective use of graphics, and preparation and presentation of oral reports will be covered. Skills: E Prerequisites: ENGL 1301.

SPCH 1315 FUNDAMENTALS OF PUBLIC SPEAKING (3-3-0). A study of the basic principles and techniques for the research, composition, organization and delivery of speeches for various purposes. The course concentrates on practical experience in developing speaking and listening abilities. Skills: E

GOVT 2306 TEXAS STATE AND LOCAL GOVERNMENT (3-3-0). This course is an introduction to Texas state and local government. The course includes an introduction to a framework for analyzing Texas government and politics and the constitutional basis for the processes, the institutions, and the policies of Texas government and politics.

Land Use Specialization This course is an introduction to Texas state and local government with an emphasis on land use policy. The course includes the powers and practices of local governments in controlling land use. Topics include annexation, extraterritorial jurisdiction (ETJ), the legal issue of "takings," eminent domain, zoning, Municipal Utility Districts (MUDs), environmental impact considerations, subdivision ordinances, and deed restrictions. This course substitutes for GOVT 2306 for degree and graduation requirements. Skills: E Prerequisites: ENGL 1301 with a grade of C or better.

PHIL 2306 ETHICS (3-3-0). Students will be introduced to the principles of morality through a critical examination of various ethical theories and their application to contemporary moral problems. Skills: E

COSC 1301 PERSONAL COMPUTING (3-2-2). A hands-on course for the development of skills needed to use personal computer systems for business, individual, and educational applications. Learn word processing, database management, spreadsheet development, and how to use the operating system. Keyboarding skills are not required, but are helpful. May not be applied toward a CSC degree. Fee: \$12 Skills: R