**Undergraduate Major Peer Comparison Chart** - select two peers for completing the comparison chart from (in order of priority) [ABOR-approved institutions](https://www.azregents.edu/arizonas-public-universities/peer-institutions), [AAU members](https://www.aau.edu/who-we-are/our-members), and/or other relevant institutions recognized in the field. The comparison chart will be used to identify typically required coursework, themes, and experiences for majors within the discipline. The comparison programs are not required to have the same degree type and/or major name as the proposed UA program. Information for the proposed UA program must be consistent throughout the proposal documents. Delete EXAMPLE columns once ready to submit/upload.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Program name, emphasis (sub-plan) name (if applicable), degree, and institution** | **Proposed UA Program:** | **Peer 1:** | **Peer 2:** | EXAMPLE: UA Proposed:  Fire Services Bachelor of Science | EXAMPLE: Peer: Fire and Emergency Services, Fire Specialization, Bachelor of Science, University of Florida |
| **Current # of enrolled students** |  |  |  |  | 73 |
| **Major Description. Includes the purpose, nature, and highlights of the curriculum, faculty expertise, emphases (sub-plans; if any), etc.** | Copy and paste the text from Section I of the “Additional Information Form” |  |  | Provide detailed description of the major. Highlight key concepts that the program plans to cover and unique experiences. Description could be used to market the program | From: <https://ufonline.ufl.edu/degrees/undergraduate/fire-emergency-services/>  Today’s emergency services industry is demanding higher levels of education and training from our nation’s leaders in first response and disaster management. UF’s degree in Fire and Emergency Services (FES) is designed for emergency services professionals who desire an increase in managerial responsibility and leadership skills. Our FES program is unique in that it offers a combination of Fire Science, EMS and Emergency Management courses designed to meet your professional aspirations.  A career in emergency services opens the door to a variety of rewarding careers, as well as a unique opportunity to help protect the public by minimizing danger through leadership in the public or private sector of emergency services. Graduates can find jobs at the local, state and national level of government, insurance companies, industry and other areas. Through our FES program, students earn a regionally accredited Bachelor of Science in Fire and Emergency services from industry-recognized faculty, and the ability to specialize in one of the following three specializations:   * Fire Specialization * Emergency Medical Services (EMS) Management Specialization * Emergency Management Specialization |
| **Target careers** |  |  |  | -Fire fighting  -Emergency services  -Management in fire and emergency services  -State, federal government. | * Fire Department Management * Emergency Medical Service Management * Emergency Management * Insurance Companies * Federal Government including DHS, FEMA, HHS, DOT * State Government * Private industry such as oil companies, industry management, and business |
| **Total units required to complete the degree** |  |  |  | 120 | 120 |
| **Upper-division units required to complete the degree** |  |  |  | 42 | 60 |
| **Foundation courses** |  |  |  |  |  |
| [Second language](http://catalog.arizona.edu/policy/second-language-requirement-undergraduate-degrees) |  |  |  | 2nd Semester Proficiency | 2 years of high school foreign language or 8-10 college credits (same language). |
| [Math](http://catalog.arizona.edu/policy/mathematics-requirements-foundations) |  |  |  | GE Substantial Strand, complete 1 course from  MATH 122B (4) First-semester Calculus or higher. | 6 units of math |
| **Pre-major? (Yes/No). If yes, provide requirements.** **Provide email(s)/letter(s) of support from home department head(s) for courses not owned by your department.** |  |  |  | Yes. Complete the following coursework:  -CHEM 151 (4) General Chemistry I  -CHEM 152 (4) General Chemistry II  Complete 1 course from the following:  -PHYS 140 (3) Introductory Mechanics  -PHYS 141 (4) Introductory Mechanics | No |
| **List any special requirements to declare or gain admission to this major (completion of specific coursework, minimum GPA, interview, application, etc.)** |  |  |  | -Complete all pre-major coursework with 2.5 GPA.  -Complete interview with department.  -Submit career path vision statement. | The FES Program is designed as the junior and senior course work of a four-year degree. Transfer requirements include an Associate of Arts degree from a Florida public community or state college or 60 transferable credits from a regionally accredited college or university. Students must complete a transfer/readmission application.  Applicants must meet foreign language proficiency met.  Must have a minimum 2.3 cumulative GPA. |
| **Major requirements** |  |  |  |  |  |
| **Minimum # of units required in the major (units counting towards major units and major GPA)** |  |  |  | 56 | 60 |
| **Minimum # of upper-division units required in the major (upper division units counting towards major GPA)** |  |  |  | 38 | 60 |
| [**Minimum # of residency units to be completed in the major**](https://catalog.arizona.edu/policy/graduation-grade-averages-and-credit-requirements) |  |  |  | 18 | 60 |
| **Required supporting coursework (courses that do not count towards major units and major GPA, but are required for the major). Courses listed must include prefix, number, units, and title. Include any limits/restrictions needed (house number limit, etc.). Provide email(s)/letter(s) of support from home department head(s) for courses not owned by your department.** |  |  |  | List all required supporting coursework.  -MATH 129 (3) Calculus II  Complete 1 of the following:  -PHYS 240 (3) Introductory Electricity and Magnetism  -PHYS 241 (4) Introductory Electricity and Magnetism | None |
| **Major requirements. List all major requirements including core and electives. If applicable, list the emphasis requirements for each proposed emphasis. Courses listed count towards major units and major GPA. Courses listed must include prefix, number, units, and title. Mark new coursework (New). Include any limits/restrictions needed (house number limit, etc.). Provide email(s)/letter(s) of support from home department head(s) for courses not owned by your department.** |  |  |  | List all required major coursework.  For example:  **Fire Services Core:** Complete 2 courses (6 units)  -(New)FIRE 345 (3) Introduction to Fire  -(New) FIRE 346 (3) Advanced Fire  **Fire Management Electives**: Complete 18 units from the following: | **Fire and Emergency Services Core:**  Complete 7 courses (21 units total):  -FES 3015 (3) Principles of Fire and Emergency Services Management  -FES 3153 (3) Communications & IT  -FES 3753 (3) FES Financial Management  -FES 3720 (3) Strategic Planning for FES  -FES 4023 (3) FES Leadership and Ethics  -FES 4055 (3) Public Information & Community Relations for Emergency Services  -FES 4825 (3) Disaster Planning and Control  **Fire Specialization (Emphasis) Core:**  Complete 7 courses (21 units total):  -FES 3782 (3) Applications of Fire Research  -FES 3533 (3) Community Risk Reduction for Emergency Services  -FES 3004 (3) Political and Legal Foundations of Fire Protection  -FES 4003 (3) Fire and Emergency Services Administration  -FES 4045 (3) Personnel Management for Emergency Services  -FES 4585 (3) Fire Prevention Organization and Management  -FES 3815 (3) Command & Control at Catastrophic Incidents  **Electives:** Complete 6 courses (18 units) from the following list:  -FES 3227 (3) Ambulance Operations  -FES 3263 (3) Public Safety Educator  -FES 3285 (3) Advanced Leadership Issues in EMS  -FES 4034 (3) Regulatory Issues in Fire & Emergency Services  -FES 4226 (3) EMS Special Operations  -EMS 4315 (3) Analytical Approaches to EMS  -FES 4804 (3) Disaster Recovery and Mitigation  -FES 4820 (3) Critical Incident Management  -FES 4835 (3) Natural Disaster Phenomena for Emergency Services  -FES 3780 (3) Analytical Approach to Fire Protection  -FES 3803 (3) Multi-Agency Incident Command  -FFP 4507 (3) Management of Fire-Related Human Behavior  -FES 4685 (3) Fire Investigation and Analysis  -FES 4935 (3) Current Issues in FES |
| **Internship, practicum, applied course requirements (Yes/No). If yes, provide description.** |  |  |  | Yes.  Complete 6 units:  FIRE 493 (6) Fire Fighting Internship. Students complete internship at a fire station. | No |
| **Senior thesis or senior project required (Yes/No). If yes, provide description.** |  |  |  | Yes.  Complete 6 units:  FIRE 498 (6) Fire Senior Thesis | No |
| **Additional requirements (provide description)** |  |  |  | -Present Senior Thesis and Internship experience at departmental conference.  -Complete non-credit lecture series on EMS and FIRE topics.  -Earn 2.5 major GPA | None |
| **Minor (specify if optional or required)** |  |  |  | Optional | Optional |

\*Note: comparison of additional relevant programs may be requested.