

# **FORENSIC SCIENCES PROGRAM OUTCOMES**

## **Mission Statement for Forensic Sciences Bachelor of Science Degree**

The mission of the program at Chaminade University of Honolulu leading to the degree Bachelor of Science in Forensic Sciences is to train students in the objective application of scientific principles and methods to the analyses and solutions to criminal problems in keeping with the Marianist principles. This is particularly relevant to the ideal Marianist principles of fostering inquiry into and the supporting of social justice. In pursuing this aim, the highest level of ethical behavior will be required of students.

## **Learning Outcomes for Forensic Sciences Program Bachelor of Science**

1. Students completing the BSFS program will be able to demonstrate comprehension of basic sciences related to FS.
  - a. Required courses: BI 203,204, 431; CH 203, 204,323, 324, 360, 434, PHY 251, 252.
  - b. Support courses: MA 210, 211, 331.
  
2. Students completing the BSFS program will be able to demonstrate an understanding of the legal system governing the admissibility of the evidence they will be collecting and analyzing.
  - a. Required courses: CJ 151, 223, 423
  - b. Support/elective courses: CJ 463, 465
  
3. Students completing the BSFS program will be able to demonstrate a proficiency in preparation of written and oral reports and testimony.
  - a. Required courses: FS 340, 490
  - b. Supplementary courses: EN 101, 102, 213
  
4. Students completing the BSFS Program will be able to demonstrate a working knowledge of the different subdisciplines in the forensic sciences.

- a. Required courses: FS 190, 330, 333, 340, 444, 487
  - b. Support/elective courses: BI 362, 370, 454; FS 335, 350, 440, 450
5. Students completing the BSFS will be able to demonstrate an understanding of the techniques involved in recognition, documentation, and analysis of forensic evidence.
- a. Required courses: FS 330, 333, 340, 487
  - b. Support/elective courses: FS 350, 440, 450

## **PROGRAM GOALS FOR THE B.S. DEGREE IN FORENSIC SCIENCES**

Upon completion of the B.S. Degree program in Forensic Sciences, the student will demonstrate a sophisticated understanding of:

- 1. the scientific method and its application in the Forensic Sciences:**
  - a. The skills and competencies in this area are conveyed to the student through the basic science courses required. Upper division Forensic Sciences courses have imbedded in their course content material discussions of the scientific approaches contained within their respective subdiscipline areas. Further exposure to actual applications takes place during the internship experience.
  - b. Relevant Courses: BI 203,204, 431; CH 203, 204,323, 324, 360, 434, PHY 251, 252.
  - c. Support courses: MA 210, 211, 331.
  
- 2. the legal constraints and ethical bases for research and practice in the Forensic Sciences:**
  - a. The student is exposed to the American system of criminal justice and ethical concerns through a series of courses dealing with criminal law. In order to function in the field, students must understand the system and be able to prepare appropriate reports and research publications for use by the legal system and academic pursuits.
  - b. Relevant Courses: CJ 151, 223, 423 , FS 340, 490
  - b. Support/elective courses: CJ 463, 465
  
- 3. the different areas of research and practice contained within the Forensic Sciences:**

- a. Unlike many disciplines, the Forensic Sciences are an eclectic grouping of many subdisciplines. As no two crimes are the same, the skills required for each solution will differ. Students will be exposed to all of the areas contained in the Forensic Sciences through a series of consecutive required major courses.
- c. Relevant Courses: FS 190, 330, 333, 340, 444, 487
- d. Support/elective courses: BI 362, 370, 454; FS 335, 350, 440, 450

**4. the techniques involved in the recognition, documentation and analysis of forensic evidence:**

- a. The student is exposed to the different types of evidence that may be found at a crime scene. The student will be introduced to appropriate collection, documentation and preservation techniques that must be undertaken to assure the integrity, condition and admissibility of evidence discovered at a crime scene.
- b. Required courses: FS 330, 333, 340, 487
- c. Support/elective courses: FS 350, 440, 450