

Certificate in Homeland Security and Emergency Management (12 credits)
College of Juvenile Justice
Approved: April 17, 2014
Updated: June 2021 given conversion to TCCNS format (and courses deleted from inventory)
Current updates requested 10/28/2021

The Undergraduate Certificate can be taken independently of other degree programs or, as part of a degree program and does not require full enrollment in the university. All students in the certificate program receive full Prairie View A&M University course credit that can later be applied toward a degree.

This program is designed to introduce students to the homeland security enterprise and emergency management. Students will learn about the creation of the Department of Homeland Security, its goals and the knowledge and skills necessary for effective emergency management. Students will have the opportunity to select electives to complete the program that will allow them to explore homeland security and emergency management within their major or other focus area. Students must take at least one upper level course to complete the certificate. A project that brings the relevant knowledge together is required to complete the program. This certificate program addresses the workforce need for diversity in homeland security and emergency management by exposing students to these two career areas. It is also designed to serve the land grant mission of the university by responding to community needs with particular attention to rural communities.

OBJECTIVES

- ☐ To have awareness of the varied aspects of work in homeland security
- ☐ To have awareness of the nature of work in emergency management
- ☐ To understand the applicability of homeland security and emergency management to the student's major or focus area
- ☐ To be able to contribute to efficacious homeland security and emergency management operations

The certificate includes six credits of required courses, six hours of elective courses from the options indicated and, a social responsibility (civic engagement) project. The project may be completed in conjunction with any of the courses for the certificate as pre-approved by the certificate administrator in the College of Juvenile Justice and Psychology. Pre-approval of the electives will require a review of the syllabus to be used for relevant content. Typically, the required project will begin during enrollment in CRIJ 2348 but may not be completed until the final course is taken for the certificate. The project must have real world applicability. As such, it will be completed with consultation involving relevant persons in the targeted community, government, business or private entity. This effort might be coordinated with assistance from the university's Office of Student Affairs (therein, the service learning/volunteer coordination office), and, or Texas A&M University – College Station. A typical project would be the creation of a disaster response plan, a disaster mitigation plan, a homeland security research paper or participation in a day long simulation exercise with a paper requirement. 2

REQUIRED

CRIJ 2344 Introduction to Homeland Security (required)

CRIJ 2348 Introduction to Emergency Management (required)

Electives *(at least one course must be an upper level course):

PSYC 2316 Psychology of Personality: 3 semester hours.

Recommended for Criminal Justice Majors

CRIJ 2345 Introduction to Terrorism: 3 semester hours.

*CRIJ 2381 Computer Applications in Criminal Justice: 3 semester hours. **RENAME** Fundamentals of Cybersecurity*

CRIJ 3346 Transnational Crimes: 3 semester hours.

CRIJ 4332 Criminal Justice Management Principles: 3 semester hours.

CRIJ 4641 Undergraduate Internship in Criminal Justice: 6 semester hours.

ADD EXISTING COURSE CRIJ 4391 Comparative Criminal Justice Systems

ADD NEW COURSE CRIJ 3348 Cyber Terrorism and Cyber Defense

ADD NEW COURSE CRIJ 4347 Digital Forensic Investigations

ADD and CROSS-LIST EXISTING COURSE MISY 4332/CRIJ 4323 Enterprise Cybersecurity

For any major

GEOG/CRIJ 2311 Introduction to Geographic Information System: 3 semester hours.

Recommended for Chemistry Majors

CHEM 1204 General Chemistry Lab: 2 semester hours.

Prerequisites: ((MATH 1113 or MATH 1314) or (MATH 1511 or MATH 1115)) and (CHEM 1043 or CHEM 1304).

CHEM 1304 General Inorganic Chemistry: 3 semester hours.

Prerequisites: (MATH 1314 or MATH 1113) or (CHEM 1303 or CHEM 1033).

CHEM 2304 General Organic Chemistry II: 3 semester hours.

Prerequisites: CHEM 2303 or CHEM 2033.

CHEM 4302 Forensic Chemistry: 3 semester hours.

Prerequisites: CHEM 2304 or CHEM 2043. Co-requisite: CHEM 4303.

Recommended for Engineering Majors

COMP 1315 Introduction to Computer Science: 3 semester hours.

COMP 4312 Computer Networks: 3 semester hours.

Prerequisites: COMP 3306 or COMP 3063.

CVEG 3301 Environmental Engineering: 3 semester hours. Prerequisite: BIOL elective or course approved by the Department Head. Prerequisites: (CHEM 1403 or (CHEM 1303 and CHEM 1304)) and CHEM 1112 and (BIOL 1307 or BIOL 1308 or BIOL 1309).

Recommended for Business (and related) Majors

MISY 2301 Fundamentals of MIS with ERP: 3 semester hours.

Prerequisites: MISY 1305 or MISY 1013.

MISY 4345 Special Topics in MIS: 3 semester hours.

Prerequisites: MGMT 3310 and MISY 3332.

ADD MISY 4332/CRIJ 4323 Enterprise Cybersecurity

ADD MISY 3311 Introduction to Crisis Informatics

Prerequisite: MISY 2301

Recommended for Management Majors

MGMT 1301 Introduction to Business: 3 semester hours.

MGMT 3310 Principles of Management: 3 semester hours.

Prerequisite: MGMT 1301

Recommended for Political Science Majors

POSC 2312 Public Administration: 3 semester hours.

POSC 2350 Global Issues: 3 semester hours.

POSC 2354 State and Local Government: 3 semester hours.

POSC 3351 Comparative Politics: 3 semester hours.

POSC 3353 U.S. Foreign Policy: 3 semester hours.

POSC 3354 International Politics: 3 semester hours.

POSC 3355 African Politics: 3 semester hours.

POSC 3359 Middle East Politics: 3 semester hours.

POSC 4310 Urban Government and Politics: 3 semester hours.

For Social Work Majors

SOWK 2313 Social Work with Children and Families: 3 semester hours.

SOWK 2317 Multicultural Issues in Mental Health: 3 semester hours.

SOWK 3321 Human and Cultural Diversity Social Work: 3 semester hours.

SOWK 4617 Field Practicum: 6 semester hours.

Co-requisite: SOWK 4318.

SOWK 4334 Generalist Crisis Intervention: 3 semester hours.

Recommended for Business Majors

ECON 2302 Principles of Microeconomics: 3 semester hours.

ECON 4334 International Trade: 3 semester hours.

Prerequisites: (ECON 2301 or ECON 2113) and (ECON 2302 or ECON 2123).

FINA 4330 Money and Banking: 3 semester hours.

Prerequisites: ECON 2301 or ECON 2123.

Recommended for Food Science Majors

GEOG/CRIJ 2311 Introduction to Geographic Information System: 3 semester hours.

FDSC 3358 Food Quality Assurance and Sanitation: 3 semester hours.

FDSC 3359 Food Bacteriology: 3 semester hours.

Recommended for Nursing Majors

NURS 4317 Community Health Nursing: 3 semester hours.

Prerequisites: (NURS 4316 or NURS 4163) and (NURS 4318 or NURS 4183) and (NURS 4226 or NURS 4262) and (NURS 4228 or NURS 4282). Co-requisites: NURS 4227, NURS 4229, NURS 4319.