



Program of Study Request

Form Id: 14460**Form Status: Process*****Please take action on the form.***

This service has been developed initially to support the conversion of the university's course inventory from a quarters to a semesters curriculum.

Getting started ...**Type of Request:**

☒ New ☐ Modify ☐ Deactivate ☐ Terminate ☐ Quarter to Semester

For *Deactivate*, the program must be terminated no later than the conclusion of 7 years from the deactivation and all students must complete degree requirements by this date. The Registrar's Office will notify the department when all students have completed degree requirements of the deactivated program.

Client Info**Name:** Karen F. Lahm**Email:** karen.lahm@wright.edu**Phone:** 937.775.4165**Department:** Sociology & Anthropology**Location:** Millett Hall 267, 3640 Colonel Glenn Hwy.**Program of Study**

SOC - Forensic Studies / Minor

Effective Term: Fall 2016**Level:** Undergraduate

College of Liberal Arts

Degree:**Major:****Minor:** Forensic Studies *New**Program:****Concentration:****Add'l Info:**

This is a new interdisciplinary minor in Forensic Studies. This minor will be housed in the Crime & Justice Studies Program, which is housed in the Sociology/Anthropology Department.

Approvals

Activity	Role	Client	Status	Time
Primary Route				
Dept_Review	Dept of Sociology	Tracey L. Steele	Review	11/18/2015 16:50:10
CCC_Eval	UG Chair of College of Liberal Arts	Herbert E. Dregalla	Approve	12/09/2015 12:27:32
Dean_Review	Dean of College of Liberal Arts	Herbert E. Dregalla	Review	12/09/2015 12:27:54
UCAP_Eval	UCAP Chair	Karen Meyer	Approve	02/01/2016 14:26:07
Office Route				
Registrar_Proc	Registrar Office		Pending	

Notes

Attach

Audit

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Minor Requirement in Forensic Studies

College	Liberal Arts
Department	Criminal Justice Studies Program
Degree, Major Program	
Degree, Minor Program	Forensic Studies

Program Requirements:	Hours
<u>Required Core: Pick 2 courses</u> PLS 3410: Fund. of Criminal Investigation PLS 4440: Methods of Human ID PLS 4440: Methods of Crime Scene Invest. PLS 4450: Advanced Criminal Investigation	6
<u>Required Science: Pick 1 course</u> ANT 3100/L: Human Structure & Function I ANT 3120/L: Human Structure & Function II BIO 3100/3110: Clinical Microbiology BIO 3120/L: General Microbiology CHM 1210/L/R: General Chemistry M&I 2200/L: Microbiology of the Human Environment PHY 1110/L/R Principles of Physics I PHY 2400/L/R: General Physics I	4-5
<u>Electives: Pick 3 courses</u> ART 2070: Photography ATH 3200: Medical Anthropology ATH 3800: Human Osteology ATH 4210: Biomedical Anthropology ATH 4300: Death and Dying BIO 3710: Forensic DNA Profiling COM 1010: Essentials of Public Address ENG 3610: Technical Writing GEO 3600: Concepts of Geospatial Mapping GEO 4430: Geographic Info. Systems PLS 3440: Police Procedures PLS 4310: Cybercrime PSY 2520: Forensic Psychology PSY 3210: Cognition and Learning SOC 3210: Sociology of Deviant Behavior SOC 3700: Criminology URS 4280: CJ Organization & Mgmt.	8-9

URS 4420: Public Safety	
Total	18-20 hours

Proposal for Minor in Forensic Studies

I. Title of Program

Program Title: Minor in Forensic Studies (Crime & Justice Studies Program)

College: College of Liberal Arts (CoLA)

II. Objectives

The forensic sciences are an increasingly important component within the field of criminal justice. The objective of this minor is to expand our student's knowledge of the crucial role that science plays in assisting all facets of the criminal justice system. The curriculum incorporates courses in both the social and natural sciences in order to provide students with an understanding of how scientific techniques are integrated into the criminal investigative process and beyond. This minor is a natural complement to students who major in the social sciences (i.e. criminal justice, sociology, political science), but would also be of benefit to those in fields such as biology, chemistry, or those outside of CoLA who seek a career in law enforcement.

III. Description

This minor is a multidisciplinary program that allows students to explore different facets of forensics through a variety of courses within the College of Liberal Arts and the College of Science and Mathematics. The curriculum consists of 18-20 hours of study: 2 core courses, 1 course in the physical sciences, and 3 elective courses from a variety of disciplines.

IV. Admission Requirements

Students admitted into the Minor in Forensic Studies must have a declared major at Wright State. Additionally, students must have completed ENG 1100, 1130, or 1140 with a grade of C or better and at least two other courses in the WSU Core. A GPA of 2.0 is required as well.

V. Program Requirements

The curriculum of the Minor in Forensic Studies consists of **18-20 credit hours**. See Appendix A for full course descriptions.

Core Courses: (Choose 2 courses/6 hours)

PLS 3410 Fundamentals of Criminal Investigation	3
PLS 4440 Methods of Human Identification	3
PLS 4440 Methods of Crime Scene Investigation	3
PLS 4450 Advanced Criminal Investigation	3

Sciences: (1 course/4-5 hours)*

ANT 3100/3100L Human Structure & Function I	4
ANT 3120/2120L Human Structure & Function II	4
BIO 3100/3110 Clinical Microbiology	5
BIO 3120/3120L General Microbiology	5
CHM 1210/1201L/1210R General Chemistry I	5
M&I 2200/2200L Microbiology of the Human Environment	4
PHY 1110/1110L/1110R Principles of Physics I	5
PHY 2400/2400L/2400R General Physics I	5

**Many of these courses require extra prerequisites beyond the GE sciences.
Please see the CJS advisor(s) for help planning your schedule.*

Electives (3 courses/8-9 hours)

ART 2070 Photography I	3
ATH 3200 Medical Anthropology	3
ATH 4210 Biomedical Anthropology	3
ATH 3800 Human Osteology	3
ATH 4300 Death & Dying	3
BIO 3710 Forensic DNA Profiling	2
COM 1010 Essentials of Public Address	3
ENG 3610 Technical Writing**	3
GEO 3600 Concepts of Geospatial Mapping	3
GEO 4430 Geographic Information System**	3
PLS 3440 Police Procedures	3
PLS 4310 Cyber Crime	3
PSY 2520 Forensic Psychology	3
PSY 3210 Cognition & Learning	3
SOC 3210 Sociology of Deviant Behavior	3
SOC 3700 Criminology	3
URS 4280 Criminal Justice Organization & Management	3
URS 4420 Public Safety	3

***extra prerequisites required.*

VI. Program Quality

Most all of the courses in the Minor in Forensic Studies are offered at the 3000-4000 level. All of the course are graded using the standard A-F grading, and are not offered Pass/Fail. The core courses offer students the practical “real world” skills needed in the field. The science requirement is essential for developing a basic understanding of different scientific techniques and how they can be applied to criminal investigations. The electives offer students the flexibility of honing their skills on specific areas of interest.

****It is important to note that the proposed curriculum for this minor was developed in consultation with the following law enforcement experts and national forensic experts:**
Mr. Steve Bryant, retired Crime Scene Investigator, Dayton Police Dept.
Mr. Douglas Hickey, M.A., retired law enforcement/Adjunct Instructor WSU
Mr. Robert Hunkeler, M.F.S., Forensic Investigator, Montgomery County Coroner's Office/Adjunct Instructor WSU
Sgt. Mike Godsey, Dayton Police Department, Crime Scene Investigator
Lt. Wendy Stiver, M.A., Dayton Police Department/Adjunct Instructor WSU
D. Michael Risinger, Professor of Law, Assoc. Director of the Last Resort Exoneration Project, Seton Hall University Law School

VII. Student Performance

To remain in good standing in the minor, students must maintain a cumulative GPA of 2.0 or above.

VIII. Curriculum Coordination

As reflected above, the Forensic Studies Minor will draw from existing courses across a number of departments at Wright State. Since these courses are already established, the creation of this minor should not adversely affect scheduling or resources in other departments. The minor coordinating committee will regularly communicate with all departments to ensure that all courses listed in the minor are offered on a regular basis, especially those outside of the College of Liberal Arts. Approval for the minor given from Dean Kristin Sobolik (CoLA), Department Chairs: Dr. Glen Cebulash (Art), Dr. December Green (PLS), Dr. Mary Rucker (COM), Dr. Tracey Steele (SOC/ATH), Dr. Jerri Killian (URS), Dr. Davin Goldstein (BIO), Dr. Debra Steele-Johnson (PSY), and Dr. Doug Petkie (PHY). No response: David Grossie (CHM) and Barbara Hull (M&I).

IX. Resource Coordination

As noted above, the Forensic Studies Minor will be created from preexisting courses already offered at Wright State. It is anticipated that this minor will not significantly require any further computing or telecommunication services beyond those routinely provided to faculty and students. We do anticipate that faculty will develop new courses as electives as the program grows into the future.

X. Program Staffing

The Forensic Studies Minor will be administered primarily by Director of the Crime and Justice Studies Program, Dr. Karen Lahm. Curriculum matters regarding this minor will be undertaken by the coordinating committee for the minor. This committee also includes: Dr. Tracey Steele

(Chair, Department of Sociology & Anthropology), Dr. December Green (Chair, Department of Political Science), (Dr. Dane Krane, Biology), and the outside consultant listed in section VI. Advising for the minor will be done by the current advisors in the Crime & Justice Studies Program (Dr. Karen Lahm, Dr. Enam Choudhury, Dr. Sean Wilson, Carin Benning, & Ashley Hill). No additional resources will be required as any assistance needed will be provided by the staff of the Crime & Justice Studies Program.

Appendix A: Course Descriptions

Core Courses (Choose 2 courses/6 hours)

PLS 3410 Fundamentals of Criminal Investigation (3) Survey of investigative techniques focusing on specific problems and crimes to illustrate proper methods and procedures of criminal investigations.

PLS 4440 Methods of Human Identification (3) Survey of different ways to identify human remains. Class discussion will be on different types of decomposition, situations which cause certain types of decomposition, decomposition rates, forensic entomology, type of remains and identification based on the skeletal/decompositional material left behind, and soft tissue trauma.

PLS 4440 Methods of Crime Scene Investigation (3) Understand various sciences and methodologies involved in crime scene processing. Demonstrate the ability to identify, document and package evidentiary materials from a crime scene.

PLS 4450 Advanced Criminal Investigation (3) Criminal investigative techniques including forensics, evidence, interviews, and interrogation as applied to specific types of crimes. Integrated Writing course.

Sciences (Choose 1 course/4-5 hours)

ANT 3100/3100L Human Structure & Function I (4) Anatomical terminology and the characteristics, maintenance and basis of life. Structure of cells emphasizing function. Body systems including integumentary system, skeletal system and articulations, nervous system, special senses and muscular system. Laboratory exercises use human donors.

ANT 3120/3120L Human Structure & Function II (4) Endocrine system, cardiovascular system, lymphatic system, respiratory system, and urinary system. Acid-base balance, fluid balance, reproductive system and digestive system. Laboratory exercises use human donors.

BIO 3100/3110 Clinical Microbiology (5) The study of biological processes of microorganisms, with emphasis on microorganisms that cause human disease (pathogens).

BIO 3120/3120L General Microbiology (5) Morphology, cultivation, and biochemical activities of microorganisms. Viruses, bacteria, blue-green algae, fungi and their diversity in natural environments.

CHM 1210/L/R General Chemistry I (5) Structure and properties of atoms and molecules and their chemical behavior and reactivity.

M&I 2200/2200L Microbiology of the Human Environment (4) Biology of viruses, bacteria, fungi, protozoans, and helminths as related to their natural environments and host-parasite interaction. Introductory course for students in environmental health, nursing, and patient-oriented paramedical health professions. Three hours lecture and two hours lab.

PHY 1110/L/R Principles of Physics I (5) Fundamental physics of mechanics. Topics include laws of motion, work and energy, momentum, circular and rotational motion, gravity, fluids, mechanical waves and thermodynamics

PHY 2400/L/R General Physics I (5) Introductory survey of mechanics for science and engineering students. Uses of interpreting physical phenomena. Topics include vectors, kinematics, dynamics, energy, momentum, rotation, oscillation and thermodynamics.

Electives (Choose 3 courses/8-9 hours)

ART 2070 Photography I (3) Exploration of basic processes and concepts in still photography. Work involves learning basic skills and techniques. Assignments designed to develop an understanding of light as an expressive element.

ATH 3200 Medical Anthropology (3) This course introduces students to the core concepts and methods of medical anthropology. It will explore the unique analytical viewpoint medical anthropology brings to bear on medically-based problems and issues. In the process, students will learn what types of questions and research foci medical anthropologists pursue. In sum, this course will investigate how *culture* impacts, defines, generates, and is profoundly interwoven with all things “medical” through a cultural anthropological lens – i.e., cross-cultural, historical, environmental, and archaeological perspective.

ATH 4210 Biomedical Anthropology (3) An anthropological perspective of human health integrating biological and socio-cultural dimensions of health and illness in selected societies of the contemporary world and in the past.

ATH 3800 Human Osteology (3) Exploration of the field of human osteology, or the study of human skeletal materials. Topics relevant to the study of human osteology including: 1) how to identify skeletal elements, both whole and fragmentary; 2) how to estimate age, sex, ancestry, and stature of an individual; 3) laboratory analysis and imaging techniques; 4) how to reconstruct populations, particularly in terms of diet and disease; and 5) real world applications of human osteology

ATH 4300 Death & Dying (3) while our passing is inevitable there is great cultural variation in attitudes toward death, dying, and even the supernatural world. As such there is also great variation in the ways in which people who have passed are buried, attended to, and/or prepared for the next chapter. This course explores death and dying from a biological (what happens when you age/die?), cultural (how do attitudes about death change over time?), and archaeological perspectives (how have burial practices changed/ remained constant throughout prehistory/history?).

BIO 3710 Forensic DNA Profiling (2) Analysis of videos addressing DNA profiling. Promotes critical thinking about science associated with forensic DNA profiling, particularly in criminal cases where DNA evidence plays an important role.

COM 1010 Essentials of Public Address (3) Fundamentals of verbal and nonverbal communication in platform speaking. Discussion and practice in vocal and physical delivery and in purposeful organization and development of a speech.

ENG 3610 Technical Writing (3) Concepts and skills used in scientific and technical writing.

GEO 3600 Concepts of Geospatial Mapping (3) Study of geo-spatial concepts to analyze data. Utilizes “freeware” to map and interpret social, economic, political, and demographic data. Designed for majors and future professionals in education, planning, marketing, and other fields.

GEO 4430 Geographic Information System** (3) Principles, structure and application of macro and micro spatial analytical techniques. Use of state-of-the art software to create map layers that can be stacked and interpreted.

PLS 3440 Police Procedures (3) Procedures and operations of law enforcement at various levels from patrol to senior administration, emphasizing duties, responsibilities and leadership. Integrated Writing course.

PLS 4310 Cyber Crime (3) Political and legal issues in computer- and Internet-based crime, including child pornography, computer fraud, and identity theft, prevention of cyber crime and responsibilities of computer owners and Internet servers.

PSY 2520 Forensic Psychology(3) Examines applications of psychology to law and the U.S. legal system. Addresses issues such as the history of forensic psychology, research methods, criminal behaviors such as juvenile delinquency, eyewitness testimony, profiling, jury decision-making, and sentencing.

PSY 3210 Cognition and Learning (3) Theories, methodologies, and applications in the areas of attention, perception, visual imagery, memory, expert performance, decision making, and problem solving. Emphasis on how the brain performs cognitive functions.

SOC 3210 Sociology of Deviant Behavior (3) Extensive exploration of the various sociological approaches to the study of deviance and social disorganization with emphasis on contemporary sociological theory and research.

SOC 3700 Criminology (3) Analysis of major categories of criminal conduct, theories of crime causation, and patterns of criminal activity with particular attention to factors such as class, race, sex, and age.

URS 4280 Criminal Justice Organization & Management (3) Examines bureaucratic and scientific management theory, as well as human relations and system theory, to understand the structure, functions, culture and behavior of criminal justice organizations. Examines motivation, group behavior and communication and leadership with such organizations.

URS 4420 Public Safety (3) Survey of policing, corrections, fire, emergency medical services, and emergency management systems to provide an understanding of the services offered, technologies used, problems faced, and alternatives available in each of the areas.