



**Criminal Justice Technology
 Credential: Associate in Applied Science Degree
 in Criminal Justice Technology – Latent
 Evidence
 A5518A**

The Latent Evidence curriculum is designed to provide knowledge of latent evidence systems and operations. Study will focus on local, state, and federal law enforcement, evidence processing and procedures.

Students will learn both theory and hands-on analysis of latent evidence. They will learn fingerprint classifications, identification, and various chemical developments of latent prints. Students will also record, cast, and recognize footwear and tire-tracks: and process various types of crime scenes. Issues and concepts of communications and the use of computers and computer assisted design programs in crime scene technology will be discussed.

Graduates should qualify for employment in a variety of criminal justice organizations, especially in local, state, and federal law enforcement, along with correctional agencies.

Program Specific Entrance Standards:

All prospective students are advised that the North Carolina Criminal Justice Education and Training Standards Commission sets minimum standards for employment for law enforcement officers, corrections officers, youth services officers, and probation and parole officers. Some of the minimum standards currently used by criminal justice system agencies are age, citizenship, health and physical fitness, education, drug testing, background screening, and freedom from felony and/or serious misdemeanor convictions.

Applicants seeking admission should review their backgrounds to determine if they are likely to qualify for employment in the criminal justice field. Students who have concerns are encouraged to contact the Criminal Justice Department or Student Development Services.

Program Length: 5 semesters

Career Pathway Options: Associate in Applied Science in Criminal Justice Technology – Latent Evidence

Program Sites:

Lee Campus - Day

Course Requirements for Criminal Justice Technology Degree

A. General Education Courses (17 SHC) C-L-SHC

ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	0-2-1
ENG 115	Oral Communication	3-0-3
	Humanities/Fine Arts Elective	3-0-3
*MAT 140	Survey of Mathematics	3-0-3
	Social/Behavioral Science Elective	3-0-3
B. Required Major Core Courses (22 SHC)		
CJC 111	Introduction to Criminal Justice	3-0-3
CJC 112	Criminology	3-0-3
CJC 113	Juvenile Justice	3-0-3
CJC 131	Criminal Law	3-0-3
CJC 212	Ethics/Community Relations	3-0-3
CJC 221	Investigative Principles	3-2-4
CJC 231	Constitutional Law	3-0-3

C. Other Major Hours Required for Graduation (2/3 SHC)		
CIS 110	Introduction to Computers	2-2-3
	OR	
CIS 111	Basic PC Literacy	1-2-2

Major Elective Course Listing (Select 30 SHC)		
CJC 114	Investigative Photography	1-2-2
CJC 144	Crime Scene Processing	2-3-3
CJC 146	Trace Evidence	2-3-3
CJC 222	Criminalistics	3-0-3
CJC 244	Footwear & Tire Imprints	2-3-3
CJC 245	Friction Ridge Analysis	2-3-3
CJC 250	Forensic Biology I	1-2-2
CJC 251	Forensic Chemistry I	3-2-4
CJC 252	Forensic Chemistry II	3-2-4

Total Semester Hours Credit required for graduation: 71/72

- *Students may substitute BIO 110(transferable)
- **Students may substitute CIS 110 (transferable)

Semester Curriculum for Criminal Justice Technology

1st Semester (Fall)		C-L-SHC
CJC 111	Introduction to Criminal Justice	3-0-3
CJC 112	Criminology	3-0-3
CJC 222	Criminalistics	3-0-3
CJC 231	Constitutional Law	3-0-3
	Social/Behavioral Science Elective	<u>3-0-3</u>
		15-0-15
2nd Semester (Spring)		
**CIS 111	Basic PC Literacy	1-2-2
CJC 131	Criminal Law	3-0-3
CJC 146	Trace Evidence	2-3-3
CJC 221	Investigative Principles	3-2-4
	Humanities/Fine Arts Elective	<u>3-0-3</u>
		12-7-15
3rd Semester (Summer)		
CJC 244	Footwear & Tire Imprints	2-3-3
CJC 245	Friction Ridge Analysis	<u>2-3-3</u>
		4-6-6
4th Semester (Fall)		

CJC 113	Juvenile Justice	3-0-3
CJC 144	Crime Scene Processing	2-3-3
CJC 246	Advance Friction Ridge Analysis	2-3-3
CJC 251	Forensic Chemistry I	3-2-4
ENG 111	Expository Writing	3-0-3
ENG 111A	Expository Writing Lab	<u>0-2-1</u>
		13-13-17

5th Semester (Spring)

CJC 114	Investigative Photography	1-2-2
CJC 212	Ethics/Community Relations	3-0-3
CJC 250	Forensic Biology I	1-2-2
CJC 252	Forensic Chemistry II	3-2-4
ENG 115	Oral Communication	3-0-3
*MAT 140	Survey of Mathematics	<u>3-0-3</u>
		14-6-17

Total Semester Hours Credit: 71/72

*Students may substitute BIO 110(transferable)

**Students may substitute CIS 110 (transferable)

NOTE: Students who have completed BLET (in the year 2000 or later) and who enroll in the Criminal Justice Degree Program will receive credit for the following courses:

CJC 131	Criminal Law
CJC 221	Investigative Principles
CJC 231	Constitutional Law

NOTE: CJC 111 is university transferable.

COURSE DESCRIPTIONS

BIO 110 Principles of Biology 3-3-4
 This course provides a survey of fundamental biological principles for non-science majors. Emphasis is placed on basic chemistry, cell biology, metabolism, genetics, taxonomy, evolution, ecology, diversity, and other related topics. Upon completion, students should be able to demonstrate increased knowledge and better understanding of biology as it applies to everyday life. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.

CIS 110 Introduction to Computers 2-2-3
 This course introduces computer concepts, including fundamental functions and operations of the computer. Topics include identification of hardware components, basic computer operations, security issues, and use of software applications. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural science/mathematics (Quantitative Option).*

CIS 111 Basic PC Literacy 1-2-2
 This course provides an overview of computer concepts. Emphasis is placed on the use of personal computers and software applications for

personal and fundamental workplace use. Upon completion, students should be able to demonstrate basic personal computer skills.

CJC 111 Introduction to Criminal Justice 3-0-3
 This course introduces the components and processes of the criminal justice system. Topics include history, structure, functions, and philosophy of the criminal justice system and their relationship to life in our society. Upon completion, students should be able to define and describe the major system components and their interrelationships and evaluate career options. *This course has been approved to satisfy the Comprehensive Articulation Agreement for transferability as a pre-major and/or elective course requirement.*

CJC 112 Criminology 3-0-3
 This course introduces deviant behavior as it relates to criminal activity. Topics include theories of crime causation; statistical analysis of criminal behavior; past, present, and future social control initiatives; and other related topics. Upon completion, students should be able to explain and discuss various theories of crime causation and societal response.

CJC 113 Juvenile Justice 3-0-3
 This course covers the juvenile justice system and related juvenile issues. Topics include an overview of the juvenile justice system, treatment and prevention programs, special areas and laws unique to juveniles, and other related topics. Upon completion, students should be able to identify/discuss juvenile court structure/procedures, function and jurisdiction of juvenile agencies, processing/detention of juveniles, and case disposition.

CJC 114 Investigative Photography 1-2-2
 This course covers the operation of digital photographic equipment and its application to criminal justice. Topics include the use of digital cameras, storage of digital images, retrieval of digital images, and preparation of digital images as evidence. Upon completion, students should be able to demonstrate and explain the role and use of digital photography, image storage, and retrieval in criminal investigation.

CJC 131 Criminal Law 3-0-3
 This course covers the history/evolution/principles and contemporary applications of criminal law. Topics include sources of substantive law, classification of crimes, parties to crime, elements of crimes, matters of criminal responsibility, and other related topics. Upon completion, students should be able to discuss the sources of law and identify, interpret, and apply the appropriate statutes/elements.

CJC 144 Crime Scene Processing 2-3-3
 This course introduces the theories and practices of crime scene processing and investigating. Topics include legal considerations at the crime scene, processing indoor and outdoor scenes, recording, note taking, collection and preservation of evidence, and submission to the crime laboratory. Upon completion, the student should be able to evaluate and search various crime scenes and demonstrate the

appropriate techniques. This course is a unique concentration requirement in the Latent Evidence concentration in the Criminal Justice technology Program.

CJC 146 Trace Evidence 2-3-3

This course provides a study of trace evidence as it relates to forensic science. Topics include collection, packaging, and preservation of trace evidence from crime scenes such as bombings, fires, and other scenes. Upon completion, students should be able to demonstrate the fundamental concepts of trace evidence collection, preservation, and submission to the crime laboratory. This course is a unique concentration requirement in the Latent Evidence concentration in the Criminal Justice Technology Program.

CJC 212 Ethics and Comm Relations 3-0-3

This course covers ethical considerations and accepted standards applicable to criminal justice organizations and professionals. Topics include ethical systems; social change, values, and norms; cultural diversity; citizen involvement in criminal justice issues; and other related topics. Upon completion, students should be able to apply ethical considerations to the decision-making process in identifiable criminal justice situations.

CJC 221 Investigative Principles 3-2-4

This course introduces the theories and fundamentals of the investigative process. Topics include crime scene/incident processing, information gathering techniques, collection/preservation of evidence, preparation of appropriate reports, court presentations, and other related topics. Upon completion, students should be able to identify, explain, and demonstrate the techniques of the investigative process, report preparation, and courtroom presentation.

CJC 222 Criminalistics 3-0-3

This course covers the functions of the forensic laboratory and its relationship to successful criminal investigations and prosecutions. Topics include advanced crime scene processing, investigative techniques, current forensic technologies, and other related topics. Upon completion, students should be able to identify and collect relevant evidence at simulated crime scenes and request appropriate laboratory analysis of submitted evidence.

CJC 231 Constitutional Law 3-0-3

The course covers the impact of the Constitution of the United States and its amendments on the criminal justice system. Topics include the structure of the Constitution and its amendments, court decisions pertinent to contemporary criminal justice issues, and other related topics. Upon completion, students should be able to identify/discuss the basic structure of the United States Constitution and the rights/procedures as interpreted by the courts.

CJC 244 Footwear and Tire Imprints 2-3-3

This course provides a study of the fundamental concepts of footwear and tire imprint evidence as related to forensic science. Topics include proper photographic recording, casting, recognition of wear patterns, and imprint identification. Upon completion, students

should be able to recognize, record, photograph, and identify footwear and tire imprints.

CJC 245 Friction Ridge Analysis 2-3-3

This course introduces the basic elements of fingerprint technology and techniques applicable to the criminal justice field. Topics include the history and meaning of fingerprints, pattern types and classification, filing sequence, searching, and referencing. Upon completion, students should be able to discuss and demonstrate the fundamental techniques of basic fingerprint technology. This course is a unique concentration requirement in the Latent Evidence concentration in the Criminal Justice Technology Program.

CJC 246 Advanced Friction Ridge Analysis 2-3-3

Prerequisite: CJC 245

Corequisite: None

This course introduces the theories and processes of advanced friction ridge analysis. Topics include evaluation of friction ridges, chart preparation, comparative analysis for valued determination rendering proper identification, chemical enhancement, and AFIS preparation and usage. Upon completion, students must show an understanding of proper procedures for friction ridge analysis through written testing and practical exercises. This course is a unique concentration requirement in the Latent Evidence concentration in the Criminal Justice Technology Program.

CJC 250 Forensic Biology 2-2-3

This course covers important biological principles that are applied in the crime laboratory. Topics include forensic toxicology, forensic serology, microscopy, and DNA typing analysis, with an overview of organic and inorganic analysis. Upon completion, students should be able to articulate how a crime laboratory processes physical evidence submitted by law enforcement agencies.

CJC 251 Forensic Chemistry 3-2-4

This course provides a study of the fundamental concepts of chemistry as it relates to forensic science. Topics include physical and chemical properties of substances, metric measurements, chemical changes, elements, compounds, gases, and atomic structure. Upon completion, students should be able to demonstrate an understanding of the fundamental concepts of forensic chemistry.

CJC 252 Forensics Chemistry II 3-2-4

This course provides a study of specialized areas of chemistry specifically related to forensic science. Topics include properties of light, emission and absorption spectra, spectrophotometry, gas and liquid chromatography, and related topics in organic and biochemistry. Upon completion, students should be able to demonstrate an understanding of specialized concepts in forensic chemistry.

ENG 111 Expository Writing 3-0-3

Prerequisites: RED 090 and ENG 090 or appropriate placement test scores

Corequisites: ENG 111A

This course is the required first course in a series of two designed to develop the ability to produce clear expository prose. Emphasis is placed on the writing process including audience analysis, topic selection, thesis support and development, editing, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition.*

ENG 111A Expository Writing Lab 0-2-1

Prerequisites: RED 090 and ENG 090 or appropriate placement test scores

Corequisites: ENG 111

This writing laboratory is designed to apply the skills introduced in ENG 111. Emphasis is placed on the editing and revision components of the writing process. Upon completion, students should be able to apply those skills in the production of final drafts in ENG 111. The computer is used as a writing and design tool for this course.

ENG 115 Oral Communication 3-0-3

This course introduces the basic principles of oral communication in both small group and public settings. Emphasis is placed on the components of the communication process, group decision-making, and public address. Upon completion, students should be able to demonstrate the principles of effective oral communication in small group and public settings.

MAT 140 Survey of Mathematics 3-0-3

Prerequisites: MAT 070, MAT 080, MAT 120, MAT 121, MAT 161, MAT 171, or MAT 175 or appropriate placement test scores

This course provides an introduction in a non-technical setting to selected topics in mathematics. Topics may include, but are not limited to, sets, logic, probability, statistics, matrices, mathematical systems, geometry, topology, mathematics of finance, and modeling. Upon completion, students should be able to understand a variety of mathematical applications, think logically, and be able to work collaboratively and independently. *This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics.*