FLORIDA ATLANTIC UNIVERSITY

NEW/CHANGE PROGRAM REQUEST
Undergraduate Programs

UUPC Approval 3-30-26
UFS Approval _____
Banner _____
Catalog _____

Department Dept. Electrical Engineering and Computer Science / School Of Criminology and Criminal Justice

College Eng and Comp Science, College of Soc Wrk and CJ

Program Name

Bachelor of Science in Artificial Intelligence with Criminal Justice

☑ **New Program***

☐ **Change Program***

Effective Date
(TERM & YEAR)

Fall 2026

Please explain the requested change(s) and offer rationale below or on an attachment.

The new program, Bachelor of Science in Artificial Intelligence with Criminal Justice, is part of the university's AI +X initiative, which integrates artificial intelligence with other disciplines. This specific program combines AI and computer science with criminal justice aiming to prepare students with balanced training in AI/computer science and Criminal Justice to meet growing workforce demand at the intersection of social science and technology. It is jointly administered by the School of Criminology and Criminal Justice in the College of Social Work and Criminal Justice and the Department of Electrical Engineering and Computer Science (EECS) in the College of Engineering and Computer Science.

*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

Faculty Contact/Email/Phone

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Consult and list departments that may be affected by the change(s) and attach documentation

Approved by	***Date***
Department Chair Hari Kalva	3/16/26
College Curriculum Chair Galan Liu	3/17/26
College Dean	3/17/26
UUPC Chair Korey Sorge	3-30-26
Undergraduate Studies Dean Dan Maseroff	3-30-26
UFS President	
Provost	

Email this form and attachments to mjenning@fau.edu seven business days before the UUPC meeting.

MEMORANDUM OF AGREEMENT

FOR A JOINT DEGREE PROGRAM

BETWEEN THE

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

AND

THE COLLEGE OF SOCIAL WORK AND CRIMINAL JUSTICE

FOR THE

Bachelor of Science in Artificial Intelligence with Criminal Justice

Background: The technology landscape is evolving quickly with new fields such as Al, data science, machine learning, and cybersecurity directly impacting all walks of life and many job functions.
Graduates with an interdisciplinary education that combines core AI and computer science skills with a deep discipline major specific knowledge will be better equipped to adapt to these changes and would be highly competitive in the job market.

Florida Atlantic will lead in preparing this new generation workforce to meet the need. The Florida BOG has approved FAU's pre-proposal for a new bachelor's degree in artificial intelligence with a second discipline. The program is designed so that there is equal core coursework in Al/computer science and the second discipline. This proposed bachelor's degree was positively received, with other SUS sister universities indicating interest in developing similar programs. It is critical for Florida Atlantic to act promptly to maintain this momentum and lead with our innovative ideas and not lose ground to other SUS universities. This new degree would put FAU at the forefront of producing a new generation workforce with computational thinking, problem-solving, and discipline-specific knowledge applied to solve real-world problems. The new interdisciplinary degrees will emphasize the discipline major in the context of AI and computer science skills and knowledge. It is an exciting time for FAU to lead the State of Florida in innovative degree programs.

Student Interest: Students are eager to gain interdisciplinary AI skills to stay competitive in the job market. AI and computing skills will enhance the marketability and job opportunities of students with core knowledge of their discipline. Increased employer demand for computing skills in many disciplines indicates an opportunity for new degree programs to meet student demand.

Increasing Program Enrollments: The proposed interdisciplinary programs offer the benefits of a dual major without the additional credits required in a traditional dual major degree. A second major is an indicator of greater earnings than a single major alone. Reported high earnings in relevant occupations will attract prospective students to the program. Increased student interest is expected to increase enrollment and attract a new pool of students to our departments/schools.

New Degree Programs: New interdisciplinary programs created in this mold shall be named as Bachelor of Science with a major in Artificial Intelligence with <discipline>, where discipline is Criminal Justice, etc. The new interdisciplinary program will use CIP code 11.0199 across all colleges. The new degree program jointly between the School of Criminology and Criminal Justice and the Electrical Engineering and Computer Science department shall be called ***Bachelor of Science in Artificial Intelligence with Criminal Justice***.

Enrollment Credit: Enrollment credit from this interdisciplinary program will be reflected in respective Colleges based on the courses students take. The new degree program is expected to have approximately the same number of credits from AI/computer science and Criminal Justice. Faculty from the Electrical Engineering and Computer Science department will teach all AI and computer science courses, while faculty from the School of Criminology and Criminal Justice will be responsible for teaching courses in Criminal Justice.

Degree Credit: Both the College of Social Work and Criminal Justice and the College of Engineering and Computer Science will be able to include the degrees and majors produced as a part of their respective College and Department metrics.

Home Department for Students: To promote belongingness and encourage participation and interdisciplinary engagement, students may express belonging to two home departments/schools and will have access to the resources of both departments/schools.

Academic Advising: Students in the program will be jointly advised by Electrical Engineering and Computer Science and the School of Criminology and Criminal Justice. Advisors in both departments/schools will receive training and coordinate student advising.

Program Coordination: Program coordination including accreditation and graduation audits will be supported by the Electrical Engineering and Computer Science department. Assessment of student learning outcomes will occur at the two departments/schools.

Career Services: Students in the program will have access to career services resources in both departments/schools. Students will have access to career preparation, internship opportunities, and industry mentors through the Electrical Engineering and Computer Science department.

Interdisciplinary Engagement: Curriculum shall include an interdisciplinary capstone course to offer students an opportunity to work with real-world problems with guidance from industry mentors.

Departments/schools are encouraged to create and offer at least one course jointly taught with faculty from EECS and Criminology and Criminal Justice.

Diploma: The diploma will adhere to the standard format for FAU baccalaureate degrees but will specify that the degree is recommended by faculty from both colleges and will feature the signatures of both deans.

Program Intent: This interdisciplinary program is intended to produce graduates capable of building AI and computing systems and using AI tools and frameworks to solve domain problems. The program will equip students with durable skills to adapt to the dynamically changing AI landscape.

New Program Creation: This agreement shall not prevent either department from developing and offering new degree programs with different emphasis on AI in their discipline.

Program Withdrawal: A program can be terminated by either department in accordance with FAU and Florida Board of Governors procedures for program termination.

Chair of Electrical Engineering and Computer Science

Director of Criminology and Criminal Justice

Dean of College of Engineering and Computer Science

Dean of College of Social Work and Criminal Justice

Provost (for approval to form)

Bachelor of Science in Artificial Intelligence with Criminal Justice

(Minimum of 120 credits required)

Admission Requirements
All students must meet the minimum admission requirements of the University. Please refer to the Admissions section of this catalog.

The Bachelor of Science in Artificial Intelligence with Criminal Justice (B.S.A.I.) is a multi-college, interdisciplinary program jointly administered by the School of Criminology and Criminal Justice in the College of Social Work and Criminal Justice and the Department of Electrical Engineering and Computer Science (EECS) in the College of Engineering and Computer Science. This program aims to prepare students with balanced training in AI/computer science and Criminal Justice to meet growing workforce demand at the intersection of social science and technology.

Prerequisite Coursework for Transfer Students
Students transferring to Florida Atlantic University must complete both lower-division requirements (including the requirements of the General Education Curriculum) and requirements for the college and major. Lower-division requirements may be completed through an Associate in Arts (A.A.) degree from any Florida public college, university or community college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the *Transition Guides.*

All courses not listed with the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

Degree Requirements
The minimum number of credits required for the Bachelor of Science in Artificial Intelligence with Criminal Justice degree is 120 credits: 36 credits in the General Education Curriculum, 24 credits in AI core, 15 credits in AI electives, 12 credits in Criminal Justice core, 21 credits in Criminal Justice electives, 6 credits in free electives, 3 credits in capstone course, and 3 credits in mathematics for AI. This degree will be awarded to students who satisfy all admission and degree requirements.

Students must attain a minimum grade of "C" in Mathematics of Data Science, AI Core, AI Electives, Criminal Justice Core, Criminal Justice Electives, and AI Capstone.

Foreign Language Requirement

All students must satisfy the foreign language requirement for admission to the University.

Specific Requirements		
Course Title	**Course Number**	**Credits**
General Education Courses*		**36**
Mathematics of Data Science	MAP 2192	**3**
AI Core Courses		
Course Title	**Course Number**	**Credits**
Applications of Artificial Intelligence	CAP 2603	3
Introduction to AI	CAP 4630	3
Introduction to Data Science and Analytics	CAP 4773	3
Introduction to Software Design	CEN 3062C	3
Introduction to Programming in Python	COP 3035C	3
Data Structures and Algorithm Analysis with Python	COP 3410C	3
Analysis of Algorithms	COT 4400	3
Foundations of Computing	COT 2000C	3
Total AI Core Credits		***24***
**AI Electives ** **		
Select 5 courses totaling 15 credits		
Introduction to Web Programming	COP 3834	3
Introduction to Database Structures	COP 3540	3
Introduction to Natural Language Processing	CAI 4304	3
Trustworthy Artificial Intelligence	CAP 4623	3
Introduction to Deep Learning	CAP 4613	3
Python Programming	COP 4045	3
Introduction to Data Mining and Machine Learning	CAP 4770	3
Introduction to Large Language Models	CAI 4223	3
Applied Database Systems	COP 4703	3
Total AI Elective Credits		***15***

* students must take STA 2023 and MAC 2233 in Mathematics area

** Certain 3000- and 4000-level courses offered by the Electrical Engineering and Computer Science Department may be used as AI electives. Certain 5000- or 6000-level courses offered by the Electrical Engineering and Computer Science Department

may be taken as AI electives. Students must see an advisor for a current list of elective courses.

Criminal Justice Core Courses		
Research Methods	CCJ 4700***	3
Ethics and the Justice System	CCJ 4054	3
Criminology	CCJ 3014****	3
Artificial Intelligence for Social Good	CCJ 3071	3
*** Requires STA 2023 as a prerequisite		
**** Requires CCJ 4700 as a prerequisite		
Total Criminal Justice Core Credits		**12**

Criminal Justice Electives Set I

Select 5-7 courses totaling 15, 18, or 21 credits (see options under criminal justice set II electives in below section)

The Criminal Justice System	CCJ 3024	3
Victimology	CCJ 3666	3
Studying Violence	CCJ 4623	3
Corrections	CJC 4310	3
Criminal Justice Technology	CJE 3692	3
Policing in America	CJE 4352	3
Crime Prevention	CJE 4444	3
Judicial Administration and the Criminal Courts	CJL 4510	3
Crime Analysis	CJE 4663	3
Computer Crime	CJE 4668	3
Total Criminal Justice Set I Elective Credits		**15, 18, or 21**

Criminal Justice Electives Set II

Select up to 2 courses totaling 6 credits OR pick up to two additional elective courses from the above set I list. **Students who complete 21 credits from Criminal Justice Electives Set I are not required to take any courses from Set II.**

Law, Crime, and the Criminal Justice System	CCJ 2002	3
Crime and Everyday Life	CCJ 2034	3
Special Topics	CCJ 2930	3
Crime in the Schools	CCJ 3660	3
Immigration and the Criminal Justice System	CCJ 4196	3
Death Penalty	CCJ 4361	3
Criminal Justice Management	CCJ 4450	3
Elders and the Criminal Justice System	CCJ 4632	3

Drugs and Crime	CCJ 4642	3
Violence Against Women	CCJ 4697	3
Directed Independent Study	CCJ 4905	3
Directed Independent Research	CCJ 4915	3
Special Topics	CCJ 4934	3
Criminal Justice Internship 1	CCJ 4940	3
Criminal Justice Internship 2	CCJ 4941	3
International Criminal Justice Systems	CJE 4174	3
Juvenile Justice Administration	CJJ 4010	3
Terrorism	DSC 4012	3
Total Criminal Justice Set II Elective Credits		**0, 3, or 6**

Other Degree Requirements		
Free Electives		**6**
AI Capstone	CAI 4741	**3**
	TOTAL Credits	**120**