Artificial Intelligence Certificate
Program Advising Sheet (minimum 15 credits)

Name: _____   **Z Number**: _____

FAU Start Date: _____   **E-mail**: _____   **Phone**: _____

Students will select one of the two tracks: the Development track and the Applications track. The Development track is intended for students proficient in programming who will develop new algorithms and mechanisms in artificial intelligence. The Applications track is opened to students with no prior programming experience who are interested to learn programming and how to use tools and algorithms of AI. Each track requires five courses that have not been counted in any other minor or certificate program within the College of Engineering and Computer Science.

Students in both tracks are expected to have completed a statistics course before pursuing this certificate. Students must satisfy the prerequisites required for each course in the certificate program. All five courses must be completed with a grade of "C" or better.

Development Track (15 credits)

Core Course (9 credits)

Course	Title	Credits	Semester	Grade
COP 3410	Data Structures and Algorithm Analysis with Python OR	3		
COP 3530	Data Structures and Algorithm Analysis	3		
CAP 4630	Introduction to Artificial Intelligence	3		
CAP 4770	Introduction to Data Mining and Machine Learning OR	3		
CAP 4613	Introduction to Deep Learning OR	3		
CAP 4773	Introduction to Data Science and Analytics	3		

Elective Courses (6 credits)
Select two courses from the Elective Table.

Applications Track (15 credits)
Note: this track is not open to undergraduate students in the CEECS department.

Core Course (9 credits)

Course	Title	Credits	Semester	Grade
COP 2034	Introduction to Programming in Python OR	3		
COP 1034C	Computer Programming and Data Literacy for Everyone	3		
CAP 2603	Applications of Artificial Intelligence	3		
CAP 4612	Applied Machine Learning and Data Mining OR	3		
CAP 2751	Tools for Data Science	3		

Elective Courses (6 credits)
Select two courses from the Elective Table.

Elective Table

Select two courses from the list below. Additional courses may be used as electives with prior approval of the advisor.

Courses	Title	Credits	Semester	Grade
CAP 4630	Introduction to Artificial Intelligence	3		
CAP 4770	Introduction to Data Mining and Machine Learning	3		
CAP 4613	Introduction to Deep Learning	3		
CAP 4773	Introduction to Data Science and Analytics	3		
CAP 4623	Trustworthy Artificial Intelligence	3		
CAP 2751	Tools for Data Science	3		
EEL 4930	Robotic Applications	3		
CCJ 3071	Artificial Intelligence for Social Good	3		

Advisor Comments:

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_____
_____

Advisor Name: _____ Date: _____