

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	<b>Department</b> Comp. and Electrical Eng and Comp. Science <b>College</b> Engineering and Computer Science		
<b>Program Name</b> MS in Artificial Intelligence		<input type="checkbox"/> <b>New Program*</b> <input checked="" type="checkbox"/> <b>Change Program*</b>	<b>Effective Date</b> <i>(TERM &amp; YEAR)</i> Spring 2021
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment.</b></p> <p>This proposal revises the admission prerequisites for the MS in Artificial Intelligence program. FAU has been approved as University of Distinction in the areas of AI and Data Science. The admission prerequisites for the MSAI have been aligned with those of the MS in Data Science program, with an additional emphasis on programing and data structures and algorithm analysis. The catalog change is attached.</p>			
<p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p>			
<b>Faculty Contact/Email/Phone</b> Hanqi Zhuang/zhuang@fau.edu/561-297-3413		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>	
<b>Approved by</b> Department Chair <u>Hanqi Zhuang</u> College Curriculum Chair <u>Francisco Presuel-Moreno</u> College Dean <u>M. Cardei</u> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____		<small>Digitally signed by Hanqi Zhuang Date: 2020.10.21 09:51:34 -04'00'</small> <small>Digitally signed by Francisco Presuel-Moreno DN: cn=Francisco Presuel-Moreno, o, ou, email=fpresuel@fau.edu, c=US Date: 2020.10.21 16:46:57 -04'00'</small> <small>Digitally signed by M. Cardei DN: cn=M. Cardei, cn=Florida Atlantic University, ou, email=mcardei@fau.edu, c=US Date: 2020.10.21 11:04:01 -04'00'</small>	<b>Date</b> 10/21/2020 _____ 10/25/2020 _____ _____ _____ _____

Email this form and attachments to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

## Master of Science with Major in Artificial Intelligence

The Master of Science (M.S.) with Major in Artificial Intelligence provides a comprehensive curriculum, consisting of foundation and theory of artificial intelligence and elements of computer vision, data analytics and algorithms, knowledge management and reasoning, machine learning and applications. Both thesis and non-thesis options of the M.S. in Artificial Intelligence require a minimum of 30 credits. The thesis option consists of a minimum of 24 coursework credits and 6 thesis credits.

With approval of the advisor, substitution can sometimes be made among similar courses. See the Department of Computer & Electrical and Computer Science [website](#) for updates.

### Admission Requirements

Applicants for admission to the master's program are approved by the University upon the recommendation of the department. All applicants must submit with their applications the official transcripts from previous institutions attended and have official GRE scores forwarded to the Graduate College. Applications for admission are evaluated on an individual basis. At a minimum, applicants are expected to meet the following requirements. ~~Students with non-engineering bachelor's degrees, click [here](#) for additional requirements.~~

1. ~~Have obtained a bachelor's degree from an accredited institution and possess a minimal background consisting of the following prerequisite courses or their equivalent. In some cases, prerequisite courses may be taken after admission to the graduate program. A baccalaureate degree in Computer Science or a related field (students without a computer science background will be expected to take additional courses);~~

~~Applicants are expected to have taken the following prerequisite courses (or equivalents) before pursuing a master's degree. In some cases, prerequisite courses may be taken after admission to the graduate program.~~

<del><a href="#">Introduction to Programming in Python or</a> <a href="#">Introduction to Programming in C</a></del>	<del><a href="#">COP 2035</a> <a href="#">COP 2220</a></del>
<del><a href="#">Data Structures and Algorithm Analysis with Python or</a> <a href="#">Data Structures and Algorithm Analysis</a></del>	<del><a href="#">COP 3043</a> <a href="#">COP 3530</a></del>
<del><a href="#">Design and Analysis of Algorithms</a></del>	<del><a href="#">COT 4400</a></del>
<del><a href="#">Calculus with Analytic Geometry 1</a> <a href="#">or</a> <a href="#">Methods of Calculus</a></del>	<del><a href="#">MAC 2311</a> <a href="#">MAC 2233</a></del>
<del><a href="#">Calculus with Analytic Geometry 2</a></del>	<del><a href="#">MAC 2312</a></del>
<del><a href="#">Stochastic Models for Computer Science</a> <a href="#">or</a> <a href="#">Introductory Statistics</a></del>	<del><a href="#">STA 4821</a> <a href="#">STA 2023</a></del>

2. At least a 3.0 (of a 4.0 maximum) GPA in the last 60 credits attempted prior to graduation;

3. Submission of the Graduate Record Examination (GRE) scores. GRE scores more than five years old are not acceptable. The GRE requirement is waived for any student who has a baccalaureate degree from FAU's Department of Computer & Electrical Engineering and Computer Science with a GPA of at least 3.25 (out of a possible 4.0) in the last 60 credits attempted prior to graduation; and

4. International students from non-English-speaking countries must be proficient in written and spoken English as evidenced by a score of at least 500 (paper-based test) or 213 (computer-based test) or 79 (Internet-based test) on the Test of English as a Foreign Language (TOEFL) or a score of at least 6.0 on the International English Language Testing System (IELTS).