

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Graduate Programs</b>	UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	<b>Department</b> Computer & Elec Eng and Comp Science  <b>College</b> Engineering and Comp Science	
<b>Program Name</b> Master of Science with Major in Computer Science	<input type="checkbox"/> <b>New Program*</b>  <input checked="" type="checkbox"/> <b>Change Program*</b>	<b>Effective Date</b> (TERM & YEAR) Fall 2021
<p><b>Please explain the requested change(s) and offer rationale below or on an attachment.</b></p> <p>EEE 4541 is added as an alternative to STA 4821. With this change students can take either EEE 4541 or STA 4821 to meet program requirements.</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> HARI KALVA, hkalva@fau.edu, 561-297-0511	<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. Cardie</u> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	<small>Digitally signed by Hanqi Zhuang Date: 2021.03.05 18:42:53 -05'00'</small>  <small>Digitally signed by Francisco Presuel-Moreno DN: cn=Francisco Presuel-Moreno, o=Florida Atlantic University, ou=Dean and Mechanical Engineering, email=fpresuel@fau.edu, c=US Date: 2021.03.10 17:19:15 -0500</small>  <small>Digitally signed by Mihada Cardie DN: cn=Mihada Cardie, o=Florida Atlantic University, ou, email=mcadie@fau.edu, c=US Date: 2021.03.11 09:22:02 -0500</small>	<b>Date</b> _____ _____ 3/11/2021 _____ _____ _____ _____

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 Computer Science

### 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 University. Applications for admission are evaluated on an individual basis. As a minimum, applicants are expected to meet the following requirements. Students with non-engineering bachelor's degrees, click [here](#) for additional requirements.

1. A baccalaureate degree in Computer Science or a related field (Students without a computer science background will be expected to take additional courses);
2. At least a 3.0 (of a 4.0 minimum) GPA in the last 60 credits attempted prior to graduation;
3. Submission of the Graduate Record Examination (GRE) is required. GRE scores more than five years old are normally 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).

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. Equivalent FAU courses follow.

Structured Computer Architecture	CDA 4102 <b>or</b>
Introduction to Microprocessor Systems	CDA 3331C <b>or</b>
CAD-Based Computer Design	CDA 4204
Data Structures and Algorithm Analysis	COP 3530
Computer Operating Systems	COP 4610
Design and Analysis of Algorithms	COT 4400
Calculus with Analytic Geometry 1	MAC 2311
Calculus with Analytic Geometry 2	MAC 2312
Stochastic Models for Computer Science	STA 4821 <u>or</u>
<u>Stochastic Processes and Random Signals</u>	<u>EEE 4541</u>