

 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Graduate Programs		UGPC Approval _____ UFS Approval _____ Banner _____ Catalog _____
	Department Electrical Engineering and Computer Science College Engineering and Computer Science		
Program Name MS Data Science and Analytics - Data Science and Engineering Concentration		☐ New Program* ☒ Change Program*	Effective Date (TERM & YEAR) Spring 2024
Please explain the requested change(s) and offer rationale below or on an attachment. The College of Engineering and Computer Science has waived the GRE as an admission requirement over the past few years due to Covid-19 pandemic. This proposal requests removing the GRE as an admission requirement for the MS Data Science and Analytics - Data Science and Engineering Concentration since it does not present a conclusive factor in predicting how successful an applicant will be in completing the program.			
*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 Dr. Hari Kalva, hkalva@fau.edu, 561-297-0511		Consult and list departments that may be affected by the change(s) and attach documentation Department of Mathematical Sciences, Department of Information Technology and Operations Management, Department of Political Science.	
Approved by Department Chair <u>Hari Kalva</u> College Curriculum Chair <u>Masoud Jahandar Lashaki</u> College Dean <u>Paul R. Pedraza</u> UGPC Chair <u>11/09/2023</u> UGC Chair <u>11/09/2023</u> Graduate College Dean <u>11/09/2023</u> <u>Robert Stackman Jr.</u> UFS President _____ Provost _____			Date 9/1/2023 9/5/2023 9/5/2023 11/09/2023 11/09/2023 11/09/2023 _____ _____

Email this form and attachments to UGPC@fau.edu 10 days before the UGPC meeting.

DATA SCIENCE AND ANALYTICS

MASTER OF SCIENCE (M.S.)

Data Science via Scientific Inquiry Concentration

Data Science and Engineering Concentration

Data Science in Business Concentration

Data Science in Society Concentration

The Master of Science with Major in Data Science and Analytics (MSDSA) is a multi-college interdisciplinary program jointly administered by the Department of Mathematical Sciences in the Charles E. Schmidt College of Science, the Department of Electrical Engineering and Computer Science in the College of Engineering and Computer Science, the Department of Information Technology and Operations Management in the College of Business and the Department of Political Science in the Dorothy F. Schmidt College of Arts and Letters. The program aims to prepare students with essential skill sets needed to analyze small, fast, big, massive and complex data. To allow for maximum flexibility in career aspirations, students may select from four concentrations:

- [Data Science via Scientific Inquiry Concentration](#) , Department of Mathematical Sciences
- [Data Science and Engineering Concentration](#) , Department of Electrical Engineering and Computer Science (EECS) (This concentration is also available fully online.)
- [Data Science in Business Concentration](#) , Department of Information Technology and Operations Management
- [Data Science in Society Concentration](#) , Department of Political Science

Admission Requirements

To be admitted to the MSDSA program, applicants must:

1. Have obtained a bachelor's degree from an accredited institution and possess a minimal background consisting of MAC 2233 (Methods of Calculus) or equivalent and STA 2023 (Introductory Statistics) or equivalent. Students applying to the Data Science and Engineering concentration must have completed a college-level introductory programming course with a minimum grade of "C." Knowledge of Python and statistical packages such as R, as well as coursework in linear algebra are recommended for all concentrations;
2. Have an undergraduate GPA of 3.0 or higher in the last 60 credits of undergraduate coursework;
3. Submit two letters of recommendation for all concentrations, except the Data Science and Engineering concentration;
4. Have attained scores of at least 151 (verbal) and 151 (quantitative) on the Graduate Record Examination (GRE). GRE scores more than five years old are not acceptable normally. GRE is not required for admission to the Data Science and Engineering concentration ~~requires the submission of the GRE score (verbal and quantitative sections), but no minimum values are required;~~
5. Be proficient in written and spoken English. International students from non-English-speaking countries must present 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); and
6. Meet other requirements of the FAU Graduate College.

From: Karen Dye <kchinand@fau.edu>
Sent: Tuesday, September 5, 2023 6:29 PM
To: Mihaela Cardei <mcardei@fau.edu>
Cc: Vincent Naudot <vnaudot@fau.edu>; Taghi Khoshgoftaar <khoshgof@fau.edu>; William Trapani <wtrapan1@fau.edu>; Tamara Dinev <tdinev@fau.edu>; Hari Kalva <hkalva@fau.edu>; Kevin Wagner <kwagne15@fau.edu>
Subject: Re: Removing GRE as an admission requirement for the MSDSA - Data Engineering concentration

College of Business has no objections.

Karen

From: Vincent Naudot <vnaudot@fau.edu>
Sent: Tuesday, September 5, 2023 5:34 PM
To: Mihaela Cardei <mcardei@fau.edu>
Subject: Re: Removing GRE as an admission requirement for the MSDSA - Data Engineering concentration

Hi Mihaela

No objection on my side. Sorry to reply late.

Vct

From: William Trapani <wtrapan1@fau.edu>
Sent: Friday, September 1, 2023 4:10 PM
To: Taghi Khoshgoftaar <khoshgof@fau.edu>
Cc: Mihaela Cardei <mcardei@fau.edu>; Vincent Naudot <vnaudot@fau.edu>; Karen Dye <kchinand@fau.edu>; Tamara Dinev <tdinev@fau.edu>; Hari Kalva <hkalva@fau.edu>; Kevin Wagner <kwagne15@fau.edu>
Subject: Re: Removing GRE as an admission requirement for the MSDSA - Data Engineering concentration

Arts and Letters has no objection to this change

Bill

Bill Trapani
Florida Atlantic University

From: Taghi Khoshgoftaar <khoshgof@fau.edu>
Sent: Friday, September 1, 2023 3:27 PM
To: Mihaela Cardei <mcardei@fau.edu>; Vincent Naudot <vnaudot@fau.edu>; Karen Dye <kchinand@fau.edu>; William Trapani <wtrapan1@fau.edu>
Cc: Tamara Dinev <tdinev@fau.edu>; Hari Kalva <hkalva@fau.edu>; Kevin Wagner <kwagne15@fau.edu>

Subject: Re: Removing GRE as an admission requirement for the MSDSA - Data Engineering concentration

Dear All,

I support the proposed changes.

Thanks.

Taghi

From: Mihaela Cardei

Sent: Friday, September 1, 2023 2:18 PM

To: Vincent Naudot <vnaudot@fau.edu>; Taghi Khoshgoftaar <khoshgof@fau.edu>; Karen Dye <kchinand@fau.edu>; William Trapani <wtrapan1@fau.edu>

Cc: Tamara Dinev <tdinev@fau.edu>; Hari Kalva <hkalva@fau.edu>; Kevin Wagner <kwagne15@fau.edu>

Subject: Removing GRE as an admission requirement for the MSDSA - Data Engineering concentration

Dear MS DSA committee,

I hope you are doing well. The EECS department is proposing to remove the GRE as an admission requirement from the admission into the MSDSA Data Engineering concentrations. The GRE has been waived for a few years in our College due to the Covid-19 pandemic.

Could you please review the attached proposal and let us know if you have any objections.

Thank you,
Mihaela