Fau	NEW/CHANGE PROGR Graduate Prog	· ·	UGPC Approval UFS Approval Banner
FLORIDA ATLANTIC UNIVERSITY	Department Electrical Engineering and College Engineering and Computer S		Catalog
Program Name MS Data Science concentration	e and Analytics, Engineering	New Program*  Change Program*	Effective Date (TERM & YEAR) Summer 2022
In this proposal t	the requested change(s) and offer rethe concentration courses are identified by the course are ident	by the CAP prefix rather tha	an listing all the courses.
Faculty Contact/ Hanqi Zhuang, zhu 561-297-3413	Email/Phone	Companied by a catalog entry showing the new or proposed change  Consult and list departments that may be affected by the change(s) and attach documentation  MS DSA committee: College of Arts & Letters, College of Science, College of Business, College of Eng. and CS.	
Approved by  Department Chain			<b>Date</b> 1/26/2022

College Dean

UGPC Chair

UGC Chair

Graduate College Dean

UFS President

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Email this form and attachments to <a href="UGPC@fau.edu">UGPC@fau.edu</a> 10 days before the UGPC meeting.

## Master of Science with Major in Data Science and Analytics

Data Science and Engineering Concentration (This concentration is also available fully online.)

Common Core Courses		
Introduction to Data Science	CAP 5768	3
Data Mining and Machine Learning	CAP 6673	3
Take one additional core course		
Biostatistics	STA 5195	3 or
Introduction to Business Analytics and Big Data	ISM 6404	3 or
Special Topics (Quantitative Methods)	POS 6934	3
Take four concentration courses <u>- any course with preficeN 6405.</u>	x CAP offered by the EEC	S department or
Introduction to Neural Networks	CAP 5615	3
Social Networks and Big Data Analytics	CAP 6315	3
Data Mining for Bioinformatics	CAP 6546	3
Machine Learning for Computer Vision	CAP 6618	3
Deep Learning	CAP 6619	3
Information Retrieval	CAP 6776	3
<del>Web Mining</del>	CAP 6777	3
Advanced Data Mining and Machine Learning	CAP 6778	3
Big Data Analytics with Hadoop	CAP 6780	3
Computational Advertising and Real Time Analytics	CAP 6807	3
Computer Performance Modeling	CEN 6405	3

Take three elective courses from the Electives Table. Thesis option requires only one elective course and 6 thesis credits.

From: Mihaela Cardei <mcardei@fau.edu> Sent: Wednesday, January 26, 2022 12:30 PM

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

<khoshgof@fau.edu>; Karen Dye <kchinand@fau.edu>

Cc: William Kalies < WKALIES@fau.edu>; Tamara Dinev < tdinev@fau.edu>; Hanqi Zhuang

<zhuang@fau.edu>

Subject: MSDSA Committee, item from Engineering

Dear MS DSA committee,

EECS would like to submit the attached item to UGPC for approvals. In this proposal, the concentration courses for the Engineering concentration are written as a text using the CAP prefix rather than listing them in a table:

Take four concentration courses - any course with prefix CAP offered by the EECS department or CEN 6405.

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

Thank you, Mihaela Cardei

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From: Taghi Khoshgoftaar <khoshgof@fau.edu> Sent: Wednesday, January 26, 2022 6:21 PM

To: Mihaela Cardei <mcardei@fau.edu>; William Trapani <wtrapan1@fau.edu>; Vincent Naudot

<vnaudot@fau.edu>; Karen Dye <kchinand@fau.edu>

Cc: William Kalies < WKALIES@fau.edu>; Tamara Dinev < tdinev@fau.edu>; Hanqi Zhuang

<zhuang@fau.edu>

Subject: Re: MSDSA Committee, item from Engineering

Greetings,

No objection. This version is better. Because we do not need to update the list when we offer a new course in this area.

Thanks.

Taghi M. Khoshgoftaar

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From: Vincent Naudot Sent: Wednesday, January 26, 2022 6:52 PM

To: Taghi Khoshgoftaar <khoshgof@fau.edu>; Mihaela Cardei <mcardei@fau.edu>; William Trapani

<wtrapan1@fau.edu>; Karen Dye <kchinand@fau.edu>

Cc: William Kalies < WKALIES@fau.edu>; Tamara Dinev < tdinev@fau.edu>; Hanqi Zhuang

<zhuang@fau.edu>

Subject: Re: MSDSA Committee, item from Engineering

No objection on my side!

Vct

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From: William Trapani <wtrapan1@fau.edu> Sent: Monday, January 31, 2022 12:21 PM To: Mihaela Cardei <mcardei@fau.edu>

Subject: Re: MSDSA Committee, item from Engineering

Hi Mihaela,

Arts and Letters is fine with the proposed change.

Bill

William Trapani Director, School of Interdisciplinary Studies in the Schmidt College of Arts and Letters Florida Atlantic University 561-297-2584

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From: Karen Dye <kchinand@fau.edu> Sent: Monday, January 31, 2022 12:38 PM To: Mihaela Cardei <mcardei@fau.edu> Cc: Tamara Dinev <tdinev@fau.edu>

Subject: Re: MSDSA Committee, item from Engineering

Mihaela -

Yes, this is fine. No objections from the COB regarding changing electives to any course beginning with prefix CAP.

Thanks.

Karen