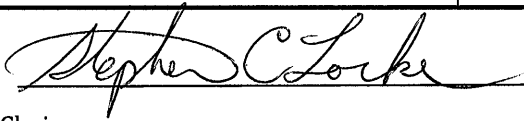

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Undergraduate Programs</b>		UUPC Approval _____ UFS Approval _____ Banner Posted _____ Catalog _____
	<b>Department</b> Math/CEECS/ITOM/Political Sci/Crim.&CriminalJustice <b>College</b> Science/Eng&CS/COB/Arts&Letters/Des.&Soc.Inquiry		
<b>Program Name</b> BS in Data Science and Analytics		<input checked="" type="checkbox"/> <b>New Program</b>  <input type="checkbox"/> <b>Change Program</b>	<b>Effective Date</b> (TERM & YEAR)  FALL 2020
<b>Please explain the requested change(s) and offer rationale below or on an attachment</b>  See accompanying degree proposal.			
<b>Faculty Contact/Email/Phone</b> William Kalies/wkalies@fau.edu/7-1107		<b>Consult and list departments that may be affected by the change(s) and attach documentation</b>  Joint program: Math. Sciences, CEECS/Comp. Science, ITOM, Political Sciences, Criminology and Criminal Justice	
<b>Approved by</b> Department Chair <u></u> College Curriculum Chair _____ College Dean <u></u> UUPC Chair <u>Jerry Haky (via email confirmation)</u> Undergraduate Studies Dean <u>Edward Pratt (via email confirmation)</u> UFS President _____ Provost _____		<b>Date</b> <u>3/3/2020</u> <u>3/3/2020</u> <u>3-30-20</u> <u>3-31-20</u> _____ _____	

Email this form and attachments to [mjennning@fau.edu](mailto:mjennning@fau.edu) one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.



Division of Academic Affairs
New Degree Program Approval
Routing and Signature Form

Proposed program title: Bachelor of Science in Data Science and Analytics CIP: 30.0601

Department: Mathematical Sciences [Signature] 2/25/20

Chair's signature Date

College: [Signature] Ata Srejoelini 3/3/2020

Dean's signature Date

Academic Affairs: Russell Day 2/25/20

Associate Provost of Academic Personnel and Programs' signature Date

[Signature] 2/25/20

Associate Provost of Assessment and Instruction's signature Date

Undergraduate Studies: Edward Pratt (via email confirmation) 3-31-20

Dean's signature Date

Graduate College: N/A

Dean's signature Date

UFS - GPC or UPC [circle one]: Jerry Flaky (via email confirmation) 3-30-20

Chair's signature Date

UFS - Academic Planning and Budget:

Chair's signature Date

University Faculty Senate:

UFS President's signature Date

Provost: 4-1-20

Provost's signature Date

**From:** Taina Teran TTERAN@fau.edu  
**Subject:** Proposed BS in Data Science  
**Date:** March 4, 2020 at 10:45 AM  
**To:** William Kalies WKALIES@fau.edu  
**Cc:** Michael Horswell HORSWELL@fau.edu, William Trapani wtrapan1@fau.edu



---

**Sent on behalf of Michael J. Horswell, Dean**

Dear Bill,

I am writing to confirm College of Arts and Letters support of the proposed BS in Data Science. The proposal was affirmed in our Department of Political Science and then again at the College Undergraduate Programs Committee.

We look forward to supporting the degree and will work with our "Data Science in Society" partners in the School of Criminology and Criminal Justice to ensure the development and curricular management of that concentration.

Best,

Michael

Michael J. Horswell, PhD  
Dean,  
Dorothy F. Schmidt College of Arts and Letters  
Professor, Spanish and Latin American Literature  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431  
Email: [horswell@fau.edu](mailto:horswell@fau.edu)  
Tel: 561-297-3803  
Website: <http://www.fau.edu/lcl/Horswell.php>  
College website: [www.fau.edu/artsandletters](http://www.fau.edu/artsandletters)  
Twitter: @ALDeanFAU  
Facebook: @FAUArtsandLetters  
Instagram: @FAUArtsandLetters

**From:** Paul Hart hart@fau.edu  
**Subject:** Re: BSDSA updates  
**Date:** March 17, 2020 at 1:16 PM  
**To:** William Kalies WKALIES@fau.edu



Bill, the College of Business approves.

Paul Hart  
Associate Dean  
College of Business

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**From:** William Kalies <WKALIES@fau.edu>  
**Sent:** Tuesday, March 17, 2020 12:17:04 PM  
**To:** Paul Hart <hart@fau.edu>  
**Subject:** Re: BSDSA updates

Hi Paul

Could I get an email approval from the College of Business Dean's office for the BS in Data Science and Analytics to proceed?

Thanks,  
Bill

—  
Bill Kalies  
Associate Dean for Graduate Studies  
Charles E. Schmidt College of Science  
Professor of Mathematical Sciences

Florida Atlantic University  
777 Glades Rd, SE-43, Room 242  
Boca Raton, FL 33431  
tel: 561-297-1107  
—

Dear Professor Hart:

On March 12, 2020 the College of Business Undergraduate Council voted to approve the BS in Data Science and Analytics. Please follow up with Professor Kalies to communicate approval by the College of Business Dean's office.

Regards,

Ethlyn Williams  
Chair, College of Business Undergraduate Council

\*\*\*\*\*

Ethlyn Williams, PhD  
Florida Atlantic University  
Department of Management Programs  
777 Glades Road  
Boca Raton, FL 33431  
Phone: 561-297-2357  
Email: [ewilliam@fau.edu](mailto:ewilliam@fau.edu)  
Web Address: [www.fau.edu/~ewilliam/indexfinal.htm](http://www.fau.edu/~ewilliam/indexfinal.htm)

On Mar 12, 2020, at 5:18 PM, Paul Hart <[hart@fau.edu](mailto:hart@fau.edu)> wrote:

**From:** Mihaela Cardei mcardei@fau.edu

**Subject:** Re: BSDSA updates

**Date:** March 16, 2020 at 2:26 PM

**To:** William Kalies WKALIES@fau.edu, Tamara Dinev tdinev@fau.edu, Wendy Guastaferrero wguastaferrero@fau.edu, William Trapani wtrapan1@fau.edu, Kevin Wagner kwagne15@fau.edu, Kenneth Dawson Scully kdawsons@fau.edu

**Cc:** Hari Kalva hkalva@fau.edu, Hanqi Zhuang zhuang@fau.edu, Dan Meeroff dmeeroff@fau.edu

Hello Bill,

The College UPC of the College of Engineering&CS has approved today the BSDSA proposal.

Best regards,  
Mihaela Cardei

---

**From:** Mihaela Cardei <mcardei@fau.edu>

**Sent:** Thursday, March 12, 2020 2:07 PM

**To:** William Kalies <WKALIES@fau.edu>; Tamara Dinev <tdinev@fau.edu>; Wendy Guastaferrero <wguastaferrero@fau.edu>; William Trapani <wtrapan1@fau.edu>; Kevin Wagner <kwagne15@fau.edu>; Kenneth Dawson Scully <kdawsons@fau.edu>

**Cc:** Hari Kalva <hkalva@fau.edu>; Hanqi Zhuang <zhuang@fau.edu>; Dan Meeroff <dmeeroff@fau.edu>

**Subject:** Re: BSDSA updates

For the College of Engineering&CS, we have the College UPC meeting on Monday March 16th. We will provide an update after the meeting.

Best regards,  
Mihaela

---

**From:** William Kalies <WKALIES@fau.edu>

**Sent:** Thursday, March 12, 2020 1:59 PM

**To:** Tamara Dinev <tdinev@fau.edu>; Mihaela Cardei <mcardei@fau.edu>; Wendy Guastaferrero <wguastaferrero@fau.edu>; William Trapani <wtrapan1@fau.edu>; Kevin Wagner <kwagne15@fau.edu>; Kenneth Dawson Scully <kdawsons@fau.edu>

**Subject:** BSDSA updates


Hello everyone

I know everyone is trying to adjust to our new circumstances, but I wanted to recap where we stand. I have received an email from Arts and Letters Dean's office confirming full approval, but I have not received anything from Business, Engineering, or CDSI. The deadline for going to UUPC is next Thursday March 19. I need to get all the materials to Jerry Haky before then. Could you update where things stand in your colleges? Are there any issues of concern that have arisen?

Thanks,  
Bill

—

Bill Kalies  
Associate Dean for Graduate Studies  
Charles E. Schmidt College of Science  
Professor of Mathematical Sciences

**From:** Naelys Luna ndiaz10@fau.edu   
**Subject:** CDSI support BS Data Science Material  
**Date:** March 18, 2020 at 1:13 PM  
**To:** William Kalies WKALIES@fau.edu  
**Cc:** Wendy Guastaferro wguastaferro@fau.edu



Dear Bill,

The CDSI supports the BS in Data Science initiative. The proposed program, including a new course offering from the School of Criminology & Criminal Justice, was approved by Schools within CDSI and the CDSI Undergraduate Program Committee. Attached please find the signed supporting documentation. We look forward to participating in and supporting this inter-college multidisciplinary program. Thank you for your leadership on this.


Best,  
 Naelys



**Naelys Luna, Ph.D.**  
 Interim Dean and Professor  
 College for Design and Social Inquiry  
 777 Glades Road SO 44, Room 102  
 Boca Raton, FL 33431  
 (561) 297-4169  
[ndiaz10@fau.edu](mailto:ndiaz10@fau.edu)



CCJ New  
 Course...ed.pdf

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW/CHANGE PROGRAM REQUEST</b> <b>Undergraduate Programs</b>	UUPC Approval _____ UFS Approval _____ Banner Posted _____ Catalog _____
	<b>Department</b> Criminology and Criminal Justice <b>College</b> Design and Social Inquiry	
<b>Program Name</b> BS in Data Science and Analytics	<input checked="" type="checkbox"/> <b>New Program</b> <input type="checkbox"/> <b>Change Program</b>	<b>Effective Date</b> <small>(TERM &amp; YEAR)</small> Fall 2020
<b>Please explain the requested change(s) and offer rationale below or on an attachment</b> See accompanying degree proposal.		

**From:** Sarah Milton smilton@fau.edu  
**Subject:** Re: BSDSA elective courses support email  
**Date:** March 5, 2020 at 5:50 PM  
**To:** William Kalies WKALIES@fau.edu



Hi Bill - The department of Biological Sciences supports the new BS in Data Science and Analytics, and the inclusion of the proposed electives listed that are taught by our department.

Thanks,

Dr. Sarah L. Milton  
Professor and Interim Chair  
Department of Biological Sciences  
FAU

---

**From:** William Kalies <WKALIES@fau.edu>  
**Sent:** Wednesday, February 26, 2020 2:21 PM  
**To:** Zhixiao Xie <xie@fau.edu>; Sarah Milton <smilton@fau.edu>; Luc Wille <willel@fau.edu>  
**Subject:** BSDSA elective courses support email

Hello Zhixiao, Sarah, and Luc

I have attached the catalog request for the new BS in Data Science and Analytics degree proposal. Each of your departments provided me elective courses that are appropriate for this degree. Could you please review the electives table on page 4 and confirm by reply to this email that you support the use of these courses as electives in the new program and that it will not overburden your departments?

Thanks,  
Bill

—  
Bill Kalies  
Associate Dean for Graduate Studies  
Charles E. Schmidt College of Science  
Professor of Mathematical Sciences

Florida Atlantic University  
777 Glades Rd, SE-43, Room 242  
Boca Raton, FL 33431  
tel: 561-297-1107  
—

**From:** Zhixiao Xie xie@fau.edu  
**Subject:** RE: BSDSA elective courses support email  
**Date:** February 26, 2020 at 2:37 PM  
**To:** William Kalies WKALIES@fau.edu



Bill,  
Yes, I reviewed and confirm our support.

Thank You,  
Zhixiao

-----  
Dr. Zhixiao Xie  
Professor and Chair  
Geosciences Department  
Florida Atlantic University  
Tel: 561-297-2852  
Office: SE 456A

---

**From:** William Kalies  
**Sent:** Wednesday, February 26, 2020 2:22 PM  
**To:** Zhixiao Xie <xie@fau.edu>; Sarah Milton <smilton@fau.edu>; Luc Wille <willel@fau.edu>  
**Subject:** BSDSA elective courses support email

Hello Zhixiao, Sarah, and Luc

I have attached the catalog request for the new BS in Data Science and Analytics degree proposal. Each of your departments provided me elective courses that are appropriate for this degree. Could you please review the electives table on page 4 and confirm by reply to this email that you support the use of these courses as electives in the new program and that it will not overburden your departments?

Thanks,  
Bill

—  
Bill Kalies  
Associate Dean for Graduate Studies  
Charles E. Schmidt College of Science  
Professor of Mathematical Sciences

Florida Atlantic University  
777 Glades Rd, SE-43, Room 242  
Boca Raton, FL 33431  
tel: 561-297-1107  
—



**From:** Luc Wille [willel@fau.edu](mailto:willel@fau.edu)  
**Subject:** Re: BSDSA elective courses support email  
**Date:** March 12, 2020 at 2:58 PM  
**To:** William Kalies [WKALIES@fau.edu](mailto:WKALIES@fau.edu)



Hi Bill:

Thanks for the reminder. I've been somewhat distracted lately by other things... Anyway, yes the physics department supports the use of these electives and it will not overburden our department.

Thanks again, --Luc

---

**From:** William Kalies <[WKALIES@fau.edu](mailto:WKALIES@fau.edu)>  
**Sent:** Thursday, March 12, 2020 2:02 PM  
**To:** Luc Wille <[willel@fau.edu](mailto:willel@fau.edu)>  
**Subject:** Fwd: BSDSA elective courses support email

Hi Luc

Could you send me a one sentence email that you received this and the physics department supports it?

Thanks,  
Bill

—  
Bill Kalies  
Associate Dean for Graduate Studies  
Charles E. Schmidt College of Science  
Professor of Mathematical Sciences

Florida Atlantic University  
777 Glades Rd, SE-43, Room 242  
Boca Raton, FL 33431  
tel: 561-297-1107

—

Begin forwarded message:

**From:** William Kalies <[WKALIES@fau.edu](mailto:WKALIES@fau.edu)>  
**Subject:** BSDSA elective courses support email  
**Date:** February 26, 2020 at 2:21:38 PM EST  
**To:** Zhixiao Xie <[xie@fau.edu](mailto:xie@fau.edu)>, Sarah Milton <[smilton@fau.edu](mailto:smilton@fau.edu)>, Luc Wille <[willel@fau.edu](mailto:willel@fau.edu)>

Hello Zhixiao, Sarah, and Luc

I have attached the catalog request for the new BS in Data Science and Analytics degree proposal. Each of your departments provided me elective courses that are appropriate for this degree. Could you please review the electives table on page 4 and confirm by reply to this email that you support the use of these courses as electives in the new program and that it will not overburden your departments?

Thanks,  
Bill

—  
Bill Kalies  
Associate Dean for Graduate Studies  
Charles E. Schmidt College of Science  
Professor of Mathematical Sciences

Florida Atlantic University  
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Boca Raton, FL 33431  
tel: 561-297-1107