

Program Change Request

New Program Proposal

Date Submitted: 10/20/17 2:17 pm

Viewing: **SSDACP : Social Science Data Analytics Undergraduate Certificate**

Last edit: 11/09/17 4:47 pm

Changes proposed by: rcc003

Catalog Pages Using
this Program

[Sociology \(SOCL\)](#)

Submitter: User ID: rcc003 Phone: 5-3701

Program Status: Active

Academic Level: Undergraduate

Type of proposal: Certificate

Select a reason for this new program: Adding New Undergraduate Certificate (6-21 semester hours)--(LON 8)

Effective Catalog Year: Fall 2018

College/School Code: Fulbright College of Arts and Sciences(ARSC)

Department Code: Department of Sociology and Criminal Justice(SOCL)

Program Code: SSDACP

Degree: Certificate of Proficiency

CIP Code: 45.1101 - Sociology.

Program Title: Social Science Data Analytics Undergraduate Certificate

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

Yes

College(s)/School(s)

College/School Name
College of Engineering(ENGR)
Walton College of Business(WCOB)

In Workflow

1. ARSC Dean Initial
2. Provost Initial
3. Director of Program Assessment and Review
4. Registrar Initial
5. Institutional Research
6. SOCL Chair
7. ARSC Curriculum Committee
8. ENGR Dean
9. WCOB Dean
10. ARSC Dean
11. Global Campus
12. Provost Review
13. University Course and Program Committee
14. Faculty Senate
15. Provost Final
16. Provost's Office-- Documentation sent to System Office
17. Higher Learning Commission
18. Board of Trustees
19. ADHE Final
20. Provost's Office-- Notification of Approval
21. Registrar Final
22. Catalog Editor Final

Approval Path

1. 09/29/17 2:37 pm
Jeannine Durdik (jdurdik): Approved for ARSC Dean Initial
2. 09/29/17 4:34 pm
Terry Martin (tmartin): Approved for Provost Initial
3. 10/11/17 4:28 pm
Alice Griffin

<p>What are the total 16 hours needed to complete the program?</p>	<p>(agriffin): Rollback to Initiator 4. 10/17/17 5:38 pm Jeannine Durdik (jdurdik): Approved for ARSC Dean Initial</p>
<p style="text-align: center;">Program Requirements and Description</p> <hr/> <p>Requirements</p> <p>SOCI 3303 Social Data and Analysis (Sp, Fa) (or PSYC 2013; STAT 2023; STAT 2303; STAT 4003) SOCI 3313 Social Research (Sp, Fa) SOCI 3001 Social Science Data Analytics Lab SOCI 4253 Social Impact of Data Analytics Electives: (select 2 courses) By approval of the SSDA coordinator, some special topics courses may be included in the certificate (for example, some relevant SOCI/CMJS 4013 Special Topics, PBHL 333V/H, or other special topics.) SOCI 4183/PLSC 4613 Social Network Analysis (Fa) ANTH 3543 Geospatial Applications and Information Science (Sp, Fa) COMM 3803 Survey of Social Media (Odd years, Sp) SCWK 4073 Social Work Research and Technology I (Sp, Fa) SCWK 4153 Social Welfare Policy (Sp, Fa) GEOS 3543 Geospatial Applications and Information Science (Sp, Fa) GEOS 3013 Foundations of Geospatial Data Analysis (Sp, Fa) GEOS 3563 Geospatial Data Mining (Sp, Fa) GEOS 4553 Introduction to Raster GIS (Fa) CSCE 4853 Information Security (Irregular) CSCE 4613 Artificial Intelligence (Irregular) CSCE 2004 Programming Foundations I (Sp, Fa) STAT 4101/STAT 4101L Introduction to R (Fa) WCOB 1033 Data Analysis and Interpretation (Sp, Su, Fa)</p>	<p>5. 10/18/17 11:53 am Terry Martin (tmartin): Approved for Provost Initial 6. 10/18/17 5:52 pm Alice Griffin (agriffin): Rollback to Initiator 7. 10/23/17 1:24 pm Jeannine Durdik (jdurdik): Approved for ARSC Dean Initial 8. 10/26/17 5:19 pm Terry Martin (tmartin): Approved for Provost Initial 9. 10/28/17 6:21 pm Alice Griffin (agriffin): Approved for Director of Program Assessment and Review 10. 11/02/17 4:02 pm</p>
<p style="text-align: center;">8-Semester Plan</p>	<p>Lisa Kulczak (lkulcza): Approved for Registrar Initial</p>
<p>Program Costs N/A. Regarding the two new courses proposed: SOCI 4523 will be taught as an in-load course by a TT faculty who has been teaching an elective course in Urban Sociology. Since Dr. Schwab has taken over the Urban Sociology course, there is no need for another faculty to teach it. SOCI 3001 will be taught in-load by one of our second year graduate student on a teaching assistantship who had taken a graduate level statistics course.</p> <p>Library Resources N/A</p> <p>Instructional Facilities N/A</p> <p>Faculty Resources N/A</p> <p>List Existing Certificate or Degree Programs that Support the Proposed Program</p>	<p>11. 11/02/17 4:21 pm Gary Gunderman (ggunderm): Approved for Institutional Research 12. 11/03/17 5:16 am Anna Zajicek-Wageman (azajicek): Approved for SOCI Chair 13. 11/06/17 2:33 pm Ryan Cochran (rcc003): Approved for ARSC Curriculum Committee 14. 11/08/17 9:03 am</p>
<p style="text-align: center;">Are Similar Programs available in the area?</p>	<p>Norman Dennis</p>

No		(ndennis): Approved for ENGR Dean
Estimated Student Demand for Program	47	15. 11/09/17 11:38 am Karen Boston (kboston): Approved for WCOB Dean
Scheduled Program Review Date	2020-21	16. 11/09/17 1:48 pm Jeannine Durdik (jurdik): Approved for ARSC Dean
Program Goals and Objectives		17. 11/09/17 1:57 pm Kiersten Bible (kbible): Approved for Global Campus 18. 11/09/17 3:16 pm Terry Martin (tmartin): Approved for Provost Review

Program Goals and Objectives

The objective of SSDA concentration is to provide students, especially, but not limited to, sociology and criminology students, a skill-set that will enable them to become highly trained social data analysts and decision-makers as well as informed consumers of social data. Additionally, the objective of the proposed SSDA concentration is to make our sociology and criminology curricula more meaningful to students and their future employers, and to better prepare students for post-graduation careers, including graduate school. This will be accomplished through implementing data analysis in real-world applications/modules included in required courses and articulating qualifications for professional career and graduate school pursuits by requiring the SSDA students to complete Career Track Razorbacks modules.

Learning Outcomes

Learning Outcomes

1. Evaluate the quality of social science data
2. Collect data via quantitative and qualitative research techniques
3. Understand and rigorously analyze quantitative and qualitative data using various software packages
4. Use quantitative and qualitative data for problem solving and decision-making
5. Apply social science theories to interpret the meaning of data
6. Communicate findings in writing and via graphical and visualization techniques

Description and Justification for this request

Description of request	Justification for request
Adding new undergraduate certificate in Social Science Data Analytics.	<ul style="list-style-type: none"> • There is an increasing need for data professionals in a wide spectrum of organizations, especially those dealing with data describing human behaviors (i.e., social science data), including, but not limited to, organizational practices and consumer expectations and behaviors. The certificate will meet the demand for a more focused undergraduate-level work for students whose academic and career goals are related to the emergence of a fast-growing hybrid economy that demands highly trained social science data scientists and analytics-enabled professionals. • The certificate will help the department to attract more high quality students to SOCI-BA and CRIM-BA by explicitly providing our majors with a specialized and highly marketable skill set. • The certificate will enable the citizens of the state to gain access to the only social science degree with social science data analytics concentration in Arkansas. • The certificate will include courses from other departments (see the attached correspondence with chairs of departments whose courses are included), making this degree attractive to diverse students who will be able to

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	learn new ways of analyzing social data, visually presenting complex data patterns to lay audiences, and using innovative methods to test hypotheses, among others.

- Upload attachments [Fw \[CIM Programs\] Review Request Director of Program Assessment and Review.pdf](#)
[SSDA - New Certificate - Ltr of Notification.docx](#)
- Reviewer Comments **Alice Griffin (agriffin) (10/11/17 4:26 pm)**: Removed attached LOI. The LON 8 is sufficient for ADHE approval.
- Alice Griffin (agriffin) (10/11/17 4:27 pm)**: Attached correspondence related to recommended edits for documentation (LON 8).
- Alice Griffin (agriffin) (10/11/17 4:28 pm)**: Rollback: Please review attached correspondence and address recommendations.
- Alice Griffin (agriffin) (10/18/17 5:51 pm)**: Inserted approval dates into LON and renamed document to match BOT naming convention.
- Alice Griffin (agriffin) (10/18/17 5:52 pm)**: Rollback: The LON item 7 and item 8a references correspondence from departments. Please attach or reword items.
- Alice Griffin (agriffin) (10/28/17 5:32 pm)**: Hyper-linked courses in program requirements.
- Alice Griffin (agriffin) (10/28/17 6:19 pm)**: Revised approval date in LON.
- Alice Griffin (agriffin) (10/28/17 6:21 pm)**: Uploaded revised LON.
- Lisa Kulczak (lkulcza) (11/02/17 3:55 pm)**: All courses "not found" currently in approval process for fall 2018
- Alice Griffin (agriffin) (11/09/17 4:47 pm)**: ADHE revised template for LON. Updated form which did not impact any proposed curriculum.

Key: 654