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Program Elimination Proposal

Date Submitted: 03/01/23 12:41 pm

Viewing: **BS-APAN : Bachelor of Science in Applied Analytics**

Last approved: 04/22/22 6:02 pm

Last edit: 03/01/23 12:41 pm

Changes proposed by: larsonjon

Catalog Pages

Using this Program

[Bachelor of Science in Applied Analytics](#)

Elimination type

[Elimination](#) **Active**

End Term

Fall 2023

Rationale for
Elimination

In Workflow

1. PSYC Chair
2. Academic Affairs
3. Undergraduate Academic Affairs
4. LS Dean
5. Undergraduate Studies Committee Chair
6. Faculty Council Chair
7. Faculty Council Chair
8. Provost
9. President
10. Academic Affairs

Approval Path

1. 03/01/23 12:46 pm
Jonathan Larson (larsonjon):
Approved for PSYC Chair
2. 03/01/23 1:48 pm
Patty Johnson Winston (winston):
Approved for Academic Affairs
3. 03/03/23 9:33 am
Joseph Gorzkowski (jgorzkow):
Approved for Undergraduate Academic Affairs
4. 03/03/23 9:38 am
Jennifer deWinter (jdewinter):
Approved for LS Dean

History

1. Oct 26, 2017 by
clmig-jwehrheim
2. Nov 3, 2017 by
Sarah Pariseau
(sparisea)
3. Jun 13, 2018 by
Sarah Pariseau
(sparisea)
4. Mar 21, 2019 by
Sarah Pariseau
(sparisea)
5. Nov 15, 2021 by
Christine Himes
(chimes)
6. Nov 15, 2021 by
Patty Johnson
Winston (winston)
7. Apr 22, 2022 by
Kristina Bauer
(kbauer1)
8. Apr 22, 2022 by
Patty Johnson
Winston (winston)

No longer needed. JEL

| | | | |
|---------------------------------------|--|----------------------------------|-----------|
| Program Status | <u>Elimination</u> Active | | |
| Requestor | Name | Patty Johnson Winston | E-mail |
| Origination Date | 2022-4-22 | | |
| Is this an interdisciplinary program? | No | | |
| Academic Unit | Psychology | College | |
| | Lewis College of Science and Letters | | |
| Program Title | Bachelor of Science in Applied Analytics | | |
| Effective Academic Year | 2022 - 2023 | Effective Term | Fall 2023 |
| Academic Level | Undergraduate | | |
| Program Type | Degree | | |
| Degree Type | Bachelor of Science (BS) | | |

CIP Code

27.0601 - Applied Statistics, General.

Is there more than one Academic Unit proposer?

No

Program Code BS-APAN

Program Attribute

Total Program 127

Credit Hours

Program Narrative and Justification

Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initiative by a governmental entity, provide details of that initiative.

This is not a new program; need has already been established.

Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or State labor data systems information was used, and/or if State, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers.

This is not a new program; design of program to meet needs was previously established.

Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program.

This is not a new program.

Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: a) business advisory committees; b) program integrity boards; c) public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency); and d) businesses that would likely employ graduates of the program. For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program.

What are the enrollment estimates?

Year 1

Year 2

Year 3

Attach Additional
Program
Justification
Document(s)

[Christine Himes - Re BS Applied Analytics Program Change Clarification 04-22-2022.pdf](#)

Academic Information

Advising

Since quality advising is a key component of good retention, graduation, and career placement, how will students be mentored? What student professional organizations will be formed? How will the department work with the Career Services office to develop industry connections?

Program Resources

Which program resources are necessary to offer this program?

Proposed Bulletin Entry

Admission
Requirements

Sample
Curriculum/Program
Requirements

Bachelor of Science in Applied Analytics Curriculum

| Semester 1 | Credit Hours | Semester 2 | Year 1 Credit Hours |
|---|--------------|--------------------------|------------------------|
| Introduction to the Profession ¹ | 2-3 | MATH 152 | 5 |
| HUM 200 | 3 | CS 201 | 4 |
| CS 105 ² | 2 | Science Elective | 3 |
| MATH 151 | 5 | Science Elective LAB | 1 |
| Science Elective | 3 | Social Sciences Elective | 3 |

| | | | |
|--|--------------|--|--------------|
| | 15-16 | | 16 |
| | | | Year 2 |
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |
| MATH 251 | 4 | PSYC 203 , BUS 221 , or MATH 225 | 4 |
| CS minor ⁴ | 3 | Specialization Course ³ | 3 |
| Social Sciences Elective (300+) | 3 | CS minor ⁴ | 3 |
| HUM elective (300+) | 3 | Social Sciences Elective (300+) | 3 |
| Free Elective | 3 | Humanities Elective (300+) | 3 |
| | 16 | | 16 |
| | | | Year 3 |
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |
| PSYC 320 | 3 | PSYC 204 | 4 |
| CS minor ⁴ | 3 | Specialization Course ³ | 3 |
| Communicating about Data Elective ⁵ | 3 | CS minor ⁴ | 3 |
| Specialization course | 3 | Communicating about Data elective ⁵ | 3 |
| Science elective | 3-4 | Free Elective | 3 |
| | 15-16 | | 16 |
| | | | Year 4 |
| Semester 1 | Credit Hours | Semester 2 | Credit Hours |
| MATH 474 | 3 | Capstone Project ⁶ | 3 |
| Specialization Course ³ | 3 | Communicating about Data Elective ⁵ | 3 |
| Communicating about Data Elective ⁵ | 3 | Specialization Course ³ | 3 |
| I PRO elective | 3 | I PRO Elective | 3 |
| Social Sciences or Humanities elective | 3 | Free Elective | 3 |
| Free Elective | 3 | | |
| | 18 | | 15 |

Total Credit Hours: 127-129

¹ Choose from the following courses: [BUS 100](#) or [LCHS 100](#).

² The [CS 105](#) and [CS 201](#) sequence may be substituted with the [CS 115](#) and [CS 116](#) sequence.

³ See specialization course options on the Program Requirements tab.

⁴ Choose from [COM 421](#), [COM 424](#), [COM 428](#), [ITM 300](#), [ITM 301](#), [ITMD 361](#), [ITMD 362](#), [ITMD 460](#), [PHIL 351](#), [PHIL 360](#), [PHIL 373](#), [PHIL 374](#) or [PHIL 377](#)

⁵ Choose a CS minor from AI, Database Management, or Computer Science.

⁶ Topic must be approved by adviser.

Specialization Requirements

Specializations require 5 courses from one of the areas below.

Consumer Research: [BUS 371](#), [BUS 473](#), [BUS 476](#), [ECON 151](#), [ECON 152](#), [PSYC 310](#), [PSYC 409](#)

People Analytics: [BUS 301](#), [BUS 321](#), [COM 383](#), [PSYC 301](#), [PSYC 310](#), [PSYC 455](#)

Social Sciences: [SSCI 204](#), [SSCI 225](#), [SSCI 321](#), [SSCI 385](#), [SSCI 388](#), [PS 360](#)

Program Outcomes and Assessment Process

What are the learning goals for this program?

In what semesters will the data be collected to assess this learning goal, and by whom?

Provide the name of the rubric that will be used to assess the extent to which students are achieving this learning goal.

How often and by whom will the data be analyzed? What benchmarks or targets will be used to interpret your results?

Briefly describe the process that will be used to share the results with faculty and use these to motivate program improvement.

Attach Additional Assessment Document(s)

Undergraduate Program Requirements

Undergraduate Degree Requirements

Minimum credit hours 127

Specialization required?
Yes

Notes about specialization requirement

Minor required?
No

Proposed General Curriculum

Degree credit hours required 127

Specialization credit hour requirement 15

List Major Course Requirements

List Mathematics Requirements

List Science Requirements

List Computer Science Requirements

List Humanities and Social Sciences Requirements

List Interprofessional Project (IPRO) Requirements

List Technical Elective Course Options

List Free Elective
Credit Hours (if
applicable)

Semester-by-
semester plan of
study for the
degree program

Specialization

To which degree does this specialization / concentration apply?

Title of Specialization / Concentration

Consumer Research

How many credit hours are required for this specialization / concentration?

15

Can credit hours be shared between specialization / concentration and major requirements?

No

List specialization/concentration courses, including any required choices from formal course groups. Please include the credit hour minimums for all course categories.

BUS 371, BUS 473, BUS 476, ECON 151, ECON 152, PSYC 310, PSYC 409

To which degree does this specialization / concentration apply?

Title of Specialization / Concentration

People Analytics

How many credit hours are required for this specialization / concentration?

15

Can credit hours be shared between specialization / concentration and major requirements?

No

List specialization/concentration courses, including any required choices from formal course groups. Please include the credit hour minimums for all course categories.

BUS 301, BUS 321, COM 383, PSYC 301, PSYC 455

To which degree does this specialization / concentration apply?

Title of Specialization / Concentration

Social Sciences

How many credit hours are required for this specialization / concentration?

15

Can credit hours be shared between specialization / concentration and major requirements?

No

List specialization/concentration courses, including any required choices from formal course groups. Please include the credit hour minimums for all course categories.

SSCI 201, SSCI 225, SSCI 321, SSCI 385 (topic approved by advisor), SSCI 388, PS 360

Report to Faculty
Council

Reviewer
Comments