

**UNDERGRADUATE COUNCIL  
Request for Change(s)**

Originating unit requesting change

Department of Computer Science

Type of Change requested:

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Course number(s)   | <input type="checkbox"/> Course prerequisite(s) | <input type="checkbox"/> Program title                   |
| <input type="checkbox"/> Course title       | <input type="checkbox"/> Drop course(s)         | <input type="checkbox"/> Program description             |
| <input type="checkbox"/> Course description | <input type="checkbox"/> Drop program(s)        | <input checked="" type="checkbox"/> Program requirements |

Semester and year change(s) take effect:

Fall 2021

Appropriate computer abbreviation if course title is more than 30 spaces:

Briefly summarize the change requested:

In the Data Science Minor, drop COSC 30603 (Database Systems) and COSC 40023 (Data Mining and Visualization) as required courses. Add COSC 30103 (Intro to Data Science) as a required course.

Drop COSC 40703 (High Performance and Parallel Computing) as an elective. Add COSC 40023(Data Mining and Visualization) and COSC 40523 (Deep Learning) as electives.

**Programs Only**

Current Title: \_\_\_\_\_

New Title: \_\_\_\_\_

Current Code: \_\_\_\_\_ Proposed New Code (list 2): \_\_\_\_\_ or \_\_\_\_\_  
(ex: INDE-BFA)

Can have second major: \_\_\_\_ Yes \_\_\_\_ No

Current CIP Code: \_\_\_\_\_

Does the change require a new or change in CIP code? \_\_\_\_ Yes \_\_\_\_ No

If yes, what is the proposed CIP code? \_\_\_\_\_

\*for reference, please visit: <https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=56>

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## Catalog copy

Present catalog copy (paste-up from catalog is acceptable).

Data Science Minor  
Requirements

The program of study requires 18 semester hours including:

COSC 10403 Introduction to Programming  
COSC 20203 Techniques in Programming  
COSC 20803 Data Structures  
COSC 30603 Database Systems  
COSC 40023 Data Mining and Visualization

One of: (3 hours)

COSC 40403 Analysis of Algorithms  
COSC 40503 Artificial Intelligence  
COSC 40703 High Performance and Parallel  
Computing

Proposed change(s). (Include exact catalog copy as desired. Underline changes)

Data Science Minor  
Requirements

The program of study requires 18 semester hours including:

COSC 10403 Introduction to Programming  
COSC 20203 Techniques in Programming  
COSC 20803 Data Structures  
COSC 30103 Intro to Data Science

Two of: (6 hours)

COSC 40403 Analysis of Algorithms  
COSC 40503 Artificial Intelligence  
COSC 40023 Data Mining and Visualization  
COSC 40523 Deep Learning

Request for Changes

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1. What is the justification for the change(s) requested?  
These changes better match the current course offers after adding the Data Science major.
  2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.  
N/A
  3. **Faculty Resources:** How will the unit provide faculty support for this change and any other impact this change may have on other current departmental listings.  
N/A
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4. **Educational Resources:** Will this change require additional resources not currently available (e.g. space, equipment, library, other)?  YES  
If yes, list additional resources needed.  NO

5. If this change affects other units of the University, include a statement signed by the chairperson(s) of the affected unit(s).

N/A

6. If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and cross-listed units.

N/A



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Approval signature of chairperson of originating unit