

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

Originating unit requesting change Computer Science

Type of Change requested: Prerequisites and course description

- | | | | | | |
|--------------------------|--------------------|-------------------------------------|------------------------|--------------------------|----------------------|
| <input type="checkbox"/> | Course number(s) | <input checked="" type="checkbox"/> | Course prerequisite(s) | | |
| <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 type="checkbox"/> | Program requirements |

Semester and year change(s) take effect: Spring 2022

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

Briefly summarize the change requested:

Changing / updating prerequisites for COSC 30253 Computer Organization.

Programs Only

Program Name: _____

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

Can have second major: ____ Yes ____ No

Current 6-digit CIP Code: _____

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

If yes, what is the proposed 6-digit CIP code? _____

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

Catalog copy

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

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

COSC 30253 Computer Organization

COSC 30253 Computer Organization

COSC Prerequisites: COSC 30203 (may be concurrent) and MATH 20123, or, ENGR prerequisites: ENGR 30444. Corequisite: COSC 20101. Treatment of sequential and combinatorial circuits including flip-flops, multiplexers, decoders, adders, registers, counters. Design of functional components, of a computer including memory, ALU, control unit, busses. The tradeoffs of alternative architectural features such as word size, instruction sets, addressing modes. (Crosslisted as COSC 30253/ENGR 30573.)

COSC Prerequisites: COSC 20803 and MATH 20123, or, ENGR prerequisites: ENGR 30444. Treatment of sequential and combinatorial circuits including flip-flops, multiplexers, decoders, adders, registers, counters. Design of functional components, of a computer including memory, ALU, control unit, busses. The tradeoffs of alternative architectural features such as word size, instruction sets, addressing modes. (Crosslisted as COSC 30253/ENGR 30573.)

Credits

Credits

3

3

1. What is the justification for the change(s) requested?

We are changing the semester offered for COSC 30253 - Computer Organization from Fall to Spring. (COSC 30203 - Computer System Fundamentals will move to the Fall.) No longer requiring COSC 30203 as a prerequisite. Students will need to have completed COSC 20803 - Data Structures.

2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.

This will not change the current program outcomes and assessment mechanisms.

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

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).

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



Approval signature of chairperson of originating unit