# http://www.ric.edu/webcommunications/images/SealWithText_Small_Black.pngUNDERGRADUATE CURRICULUM COMMITTEE (UCC) PROPOSAL FORM

## Cover page scroll over blue text to see further important [instructions](#instructions): [if not working select “COMMents on rollover” in your Word preferences under view] please read these.

**N.B. Please do not use highlight to select choices within a category but simply delete the options that do not apply to your proposal (e.g. in A.2 if this is a course revision proposal, just delete the creation and deletion options and the various program ones, so it reads “course revision”) Do not ever delete any of the numbered categories—if they do not apply leave them blank. ALL numbered categories in section (A) must be completed. If there are no resources impacted it is okay to put “none” in A. 7**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A.1. [Course or program](#Proposal) | **CSCI 313 computer organization and architecture** **CSCI BA AND BS PROGRAMS** | | | |  |
| [Replacing](#Ifapplicable) |  | | | |
| A. 1b. Academic unit | **Faculty of Arts and Sciences |** | | | |  |
| A.2. [Proposal type](#type) | **Course: revision**  **Program:** [**revision**](#revision) | | | |  |
| A.3. [Originator](#Originator) | **Namita Sarawagi** | [Home department](#home_dept) | **Computer Science and Information Systems** | | |
| A.4. [Context and Rationale](#Rationale)  Note: Must include this additional information for all [new programs](#type) | 1. **CSCI 313 – Correcting the pre-requisite (made in a recent revision) to be more accurate for the student’s needs prior to taking this course, and allow for more flexibility for students to take the course earlier.**   In Fall 2020, two CSCI courses CSCI 312 and CSCI 313 – Computer Organization and Architecture 1 and 2; were combined into one course CSCI 313 – Computer Organization and Architecture. This was approved by UCC. At that point we changed the pre-requisite of CSCI 313 from **CSCI 312 and either CSCI 211 or CSCI 221** to **CSCI 209 or CSCI 312; and CSCI 212 or CSCI 212W.** After careful reconsideration we (CSCI curriculum committee) realized that we had made the pre-requisites higher than necessary. We propose to revise the pre-requisite to **prior or concurrent enrollment in CSCI 209 or CSCI 312; and CSCI 211.** This proposed requisite will more closely reflect the previous requisite of CSCI 313.   1. **CSCI 416 – changing this restricted elective to be one choice between three “lower” pre-requisite courses in the elective category.**   In Fall 2020, the restricted elective category of courses where BA and BS CSCI majors must “choose 3 courses from”, was divided. Students choose 3 from a list but cannot take more than one from a sub-list. The sub-list consisted of those electives that had a lower pre-requisite than the others in the list. CSCI 416 has been revised in another proposals to have a lower pre-requisite (and name change) and so we are proposing to move CSCI 416 to the sub-list. (see Catalog changes) | | | | |
| A.5. [Student impact](#student_impact) | **CSCI 313 – students will have flexibility to take this course earlier.**  **CSCI 416 – this course will be listed alongside courses of a similar level to better reflect its content.** | | | | |
| A.6. [Impact on other programs](#impact) | **None.** | | | | |
| A.7. [Resource impact](#Resource) | [*Faculty PT & FT*](#faculty): | **None** | | | |
| [*Library*:](#library) | **None** | | | |
| [*Technology*](#technology) | **None** | | | |
| [*Facilities*](#facilities): | **None** | | | |
| A.8. [Semester effective](#Semester_effective) | **Fall 2021** | A.9. [Rationale if sooner than next Fall](#Semester_effective) | |  | |
| A.10. INSTRUCTIONS FOR CATALOG COPY: This single file copy must include ALL relevant pages from the college catalog, and show how the catalog will be revised. (1) Go to the “Forms and Information” page on the UCC website. Scroll down until you see the Word files for the current catalog. (2) Download ALL catalog sections relevant for this proposal, including course descriptions and/or other affected programs. (3) Place ALL relevant catalog copy into a single file. Put page breaks between sections and **delete any catalog pages not relevant for this proposal**. (4) Using the track changes function, revise the catalog pages to demonstrate what the information should look like in next year’s catalog. (5) Check the revised catalog pages against the proposal form, especially making sure that program totals are correct if adding/deleting course credits. If new copy, indicate where it should go in the catalog. If making related proposals a single catalog copy that includes all is preferred. Send catalog copy as a separate single Word file along with this form. | | | | | |

B. [NEW OR REVISED COURSES](#delete_if)  **Delete section B if the proposal does not include a new or revised course. As in section A. do not highlight but simply delete suggested options not being used. Always fill in b. 1 and B. 3 for context.**

|  | Old ([for revisions only](#Revisions)) ONLY include information that is being revised, otherwise leave blank. | New Examples are provided within some of the boxes for guidance, delete just the examples that do not apply. |
| --- | --- | --- |
| B.1. [Course prefix and number](#cours_title) | **CSCI 313** | **CSCI 313** |
| B.2. Cross listing number if any |  |  |
| B.3. [Course title](#title) | **Computer Organization and Architecture** |  |
| B.4. [Course description](#description) |  |  |
| B.5. [Prerequisite(s)](#prereqs) | **Current: CSCI 312 and either CSCI 211 or CSCI 221**  **Revised(approved in Fall 2020): CSCI 209 or CSCI 312; and CSCI 212 or CSCI 212W** | **CSCI 211 and prior or concurrent enrollment in CSCI 209 or CSCI 312** |
| B.6. [Offered](#Offered) |  |  |
| B.7. [Contact hours](#contacthours) |  |  |
| B.8. [Credit hours](#credits) |  |  |
| B.9. [Justify differences if any](#differences) |  | |
| B.10. [Grading system](#grading) |  |  |
| B.11. [Instructional methods](#instr_methods) |  |  |
| B.11.a [Delivery Method](#instr_methods) |  |  |
| B.12.[Categories](#required) |  |  |
| B.13. Is this an Honors course? | **No** |  |
| B.14. [General Education](#ge)  N.B. Connections must include at least 50% Standard Classroom instruction. | **NO** |  |
| B.15. [How will student performance be evaluated?](#performance) |  |  |
| B.16 [Recommended class-size](#class_size" \o "Check appendix XVIII in the UCC Manual for Best Practices) |  |  |
| B.17. [Redundancy statement](#competing) |  |  |
| B. 18. Other changes, if any | We noted the current catalog was Missing one of the prerequisite options for the CSCI 401W course, so Have added that into the catalog copy changes: CSCI 212 or CSCI 212W or CSCI 315, and CSCI 309, and at least two additional computer science courses at the 300-level or above. or consent of department chair. | |

### C. [Program Proposals](#program_proposals) **complete only what is relevant to your proposal if this is a revision, but include the enrollment numbers for all proposals. Delete section C if the proposal is not revising, creating, deleting or suspending any progam.**

|  | [Old (for revisions only)](#old_program) | New/revised |
| --- | --- | --- |
| C.1. [Enrollments](#enrollments) | **CSCI-BA 136; CSCI-BS 94** |  |
| C.2. [Admission requirements](#admissions) |  |  |
| C.3. [Retention requirements](#retention) |  |  |
| C.4. [Course requirements](#course_reqs) for each program option. Show the course requirements for the whole program here. | CURRENT CATALOG:  THREE COURSES from   |  |  |  |  | | --- | --- | --- | --- | | CSCI 305 | Functional Programming | 4 | F | | CSCI 415 | Software Testing | 4 | Sp | | CSCI 416 | Human-Computer Interaction Design | 4 | As needed | | CSCI 422 | Introduction to Computation Theory | 4 | Sp (As needed) | | CSCI 427 | Introduction to Artificial Intelligence | 3 | As needed | | CSCI 428 | Machine Learning | 4 | Sp | | CSCI 437 | Network Architectures and Programming | 4 | As needed | | CSCI 455 | Introduction to Database Systems | 3 | F | | CSCI 467 | Computer Science Internship | 4 | As needed | | CSCI 476 | Advanced Topics in Computer Science | 4 | Sp |   **Revised and approved by UCC in Fall 2020**  THREE COURSES from   |  |  |  |  | | --- | --- | --- | --- | | CSCI 305 | Functional Programming | 4 | F | | CSCI 402 | Cyber Security Principles | 4 |  | | CSCI 415 | Software Testing | 4 | Sp | | CSCI 416 | Human-Computer Interaction Design | 4 | As needed | | CSCI 422 | Introduction to Computation Theory | 4 | Sp (As needed) | | CSCI 427 | Introduction to Artificial Intelligence | 3 | As needed | | CSCI 428 | Machine Learning | 4 | Sp | | CSCI 437 | Network Architectures and Programming | 4 | As needed | | CSCI 455 | Introduction to Database Systems | 4 | F | | CSCI 467 | Computer Science Internship | 4 | As needed | | CSCI 476 | Advanced Topics in Computer Science | 4 | Sp |   Note: Students cannot receive credit for both CSCI 305 and CSCI 402 to satisfy this elective requirement. | **THREE COURSES from**   |  |  |  |  | | --- | --- | --- | --- | | **CSCI 305** | **Functional Programming** | **4** | F | |  | **-OR-** |  |  | |  |  |  |  | | **CSCI 402** | **Cyber Security Principles** | **4** |  | |  | **-OR-** |  |  | | **CSCI 416** | **Web Design** | **4** | As needed | |  |  |  |  | | CSCI 415 | Software Testing | 4 | Sp | | CSCI 422 | Introduction to Computation Theory | 4 | Sp (As needed) | | CSCI 427 | Introduction to Artificial Intelligence | 3 | As needed | | CSCI 428 | Machine Learning | 4 | Sp | | CSCI 437 | Network Architectures  and Programming | 4 | As needed | | CSCI 455 | Introduction to Database Systems | 4 | F | | CSCI 467 | Computer Science Internship | 4 | As needed | | CSCI 476 | Advanced Topics in Computer Science | 4 | Sp |   **Note: Students cannot receive credit for more than ONE from  CSCI 305 , CSCI 402, and CSCI 416  to satisfy this elective requirement** |
| C.5. [Credit count](#credit_count) for each program option |  |  |
| C.6. Program Accreditation (if relevant) |  |  |
| C.7. Other changes if any |  |  |
| C.8. [Program goals](file:///C:/Users/sabbotson/Documents/Curriculum/Program%20goals)  Needed for all new programs |  |  |

## D. Signatures

* Changes that affect General Education in any way MUST be approved by ALL Deans and COGE Chair.
* Changes that directly impact more than one department/program MUST have the signatures of all relevant department chairs, program directors, and their relevant dean (e.g. when creating/revising a program using courses from other departments/programs). Check UCC manual 4.2 for further guidelines on whether the signatures need to be approval or acknowledgement.
* Proposals that do not have appropriate approval signatures will not be considered.
* Type in name of person signing and their position/affiliation.
* Send electronic files of this proposal and accompanying catalog copy to [curriculum@ric.edu](mailto:curriculum@ric.edu) and a printed signature copy of this whole form to the current Chair of UCC. Check UCC website for due dates.

##### D.1. Approvals: required from programs/departments/deans who originate the proposal. THESE may include multiple departments, e.g., for joint/interdisciplinary proposals.

| Name | Position/affiliation | [Signature](#_Signature" \o "Insert electronic signature, if available, in this column) | Date |
| --- | --- | --- | --- |
| Dr. Lisa Bain | Chair of Computer Science and Information Systems |  |  |
| Dr. Earl Simson | Dean of Faculty of Arts and Sciences | **Earl Simson** | 2/26/2021 |

##### D.2. [Acknowledgements](#acknowledge): REQUIRED from OTHER PROGRAMS/DEPARTMENTS (and their relevant deans if not already included above) that are IMPACTED BY THE PROPOSAL. SIGNATURE DOES NOT INDICATE APPROVAL, ONLY AWARENESS THAT THE PROPOSAL IS BEING SUBMITTED. CONCERNS SHOULD BE BROUGHT TO THE UCC COMMITTEE MEETING FOR DISCUSSION; all faculty are welcome to attend.

| Name | Position/affiliation | [Signature](#Signature_2) | Date |
| --- | --- | --- | --- |
|  |  |  | Tab to add rows |