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

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| --- | --- | --- |
| A.1. [Course or program](#Proposal) | **CIS 455W Database programming** |  |
| [Replacing](#Ifapplicable)  |  |
| A. 1b. Academic unit | **Faculty of Arts and Sciences**  |  |
| A.2. [Proposal type](#type) | **Course: revision** |  |
| A.3. [Originator](#Originator) | **Suzanne Mello-Stark** | [Home department](#home_dept) | **CSIS (Computer Science and Information Systems)** |
| A.4. [Context and Rationale](#Rationale) Note: Must include additional information in smart tip for all [new programs](#type) | RIC currently offers Information Technology related majors in Computer Information Systems B.S. and Computer Science B.S. and B.A. and minors in Cyber Security, Data Analytics, and Web Development. The CSIS Dept would like to expand our offerings to include a major in Cyber Security to meet the demands of our existing and potential students and employers in the IT industry. This new Cyber Security major uses a combination of existing CIS/CS courses and one new cybersecurity course. CIS 455W needs revised prerequisites to support the new cybersecurity program, to address general “house-keeping” items, and to better support the Data Science Major.* New Cyber Security Major Support - CSCI 102 will be added as an “or”.
* House Keeping – CSCI 157 was added as an “or” with CIS 301. Both courses teach computer programming using Python. CIS 301 is usually taken by CIS majors. CSCI 157 is usually taken by CS majors. However, some CS majors change their majors to CIS and this would remove the need for manual enrollments and/or course substitutions.
* Data Science Major – MATH 245 was added as an “or” with CSCI 102 and CIS 252 [Note—in another proposal MATH plans to change this prefix to DATA 245 so if that is approved so should this new prerequisite]. Math faculty required this change to better support the Data Science Majors by removing the need for manual enrollments. This trend of using CIS courses to support multiple majors shows the importance of and the inter-disciplinary need of information technology courses.
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| A.5. [Student impact](#student_impact)Must include to explain why this change is being made? | There is no impact to existing CIS majors. It does allow non-CIS majors with the proper prerequisites to enroll in the course directly.  |
| A.6. [Impact on other programs](#impact)  | None. |
| A.7. [Resource impact](#Resource) | [*Faculty PT & FT*](#faculty):  | Depending on growth of new Cyber Security Program, additional sections of the course may be needed in the future.  |
| [*Library*:](#library) | None. |
| [*Technology*](#technology) | None. |
| [*Facilities*](#facilities): | **None** |
| A.8. [Semester effective](#Semester_effective) | **Fall 2023** | A.9. [Rationale if sooner than next Fall](#Semester_effective) |  |
| A.10. INSTRUCTIONS FOR CATALOG COPY: Use the Word copy versions of the catalog sections found on the UCC Forms and Information page. Cut and paste into a single file **ALL the relevant pages from the college catalog that need to be changed.** Use tracked changes feature to show how the catalog will be revised as you type in the revisions. If totally new copy, indicate where it should go in the catalog. If making related proposals a single catalog copy that includes all changes is preferred. Send catalog copy as a separate single Word file along with this form. |
| A.11. List here (with the relevant urls), any RIC website pages that will need to be updated (to which your department does not have access) if this proposal is approved, with an explanation as to what needs to be revised: |
| A. 12 **Check to see if your proposal will impact any of our** [**transfer** **agreements,**](transfer%20agreements) **and if it does explain in what way. Please indicate clearly what will need to be updated.** |
| A. 13 Check the section that lists “Possible NECHE considerations” on the UCC Forms and Information page and if any apply, indicate what that might be here and contact Institutional Research for further guidance. |

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. NOTE: course learning outcomes and topical outlines only needed for new or substantially revised courses.**

|  | Old ([for revisions only](#Revisions))ONLY include information that is being revised, otherwise leave blank.  | NewExamples are provided within some of the boxes for guidance, delete just the examples that do not apply. |
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| B.1. [Course prefix and number](#cours_title)  | **CIS 455W** | **CIS 455W** |
| B.2. Cross listing number if any |  |  |
| B.3. [Course title](#title)  | **Database Programming** |  |
| B.4. [Course description](#description)  |  |  |
| B.5. [Prerequisite(s)](#prereqs) | CIS 252 and CIS 301 or consent of department chair. | CIS 252 or CSCI 102 or MATH 245, AND CIS 301 or CSCI 157, or consent of department chair. |
| B.6. Offered |   |  |
| B.7. Contact hours  |  |  |
| B.8. Credit hours |  |  |
| B.9. Justify differences if any |  |  |
| B.10. Grading system  |  |  |
| B.11. Instructional methods |  |  |
| B.11.a Delivery Method |  |  |
| B.12. CATEGORIES 12. a. How to be used |  |  |
|  12 b. Is this an Honors  course? | **NO** | **NO** |
|  12. c. General Education N.B. Connections must include at least 50% Standard Classroom instruction. | **NO**  | **NO**  |
|  12. d. Writing in the  Discipline (WID) | **YES** | **YES** |

## 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 to the current Chair of UCC. Check UCC website for due dates. Do NOT convert to a .pdf.

##### 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 |
| --- | --- | --- | --- |
| Suzanne Mello-Stark | Chair of Dept of CSIS | \*Approved by email | 4/24/23 |
| Rebecca Sparks | Chair of Department of Mathematical Sciences | \*Approved by email | 4/24/23 |
| Earl Simson | Dean of Faculty of Arts & Sciences |  |  |

##### 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.