# 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. ALL numbered categories in section (A) must be completed. 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 delete any of the numbered categories—if they do not apply leave them blank. If there are no resources impacted please put “none” in each A. 7 category.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A.1. [Course or program](#Proposal) | **Minor in Mathematics** | | | |  |
| [Replacing](#Ifapplicable) |  | | | |
| A. 1b. Academic unit | **Faculty of Arts and Sciences** | | | |  |
| A.2. [Proposal type](#type) | **Program:** [**revision**](#revision) | | | |  |
| A.3. [Originator](#Originator) | **Mark Medwid** | [Home department](#home_dept) | **Mathematical Sciences** | | |
| A.4. [Context and Rationale](#Rationale)  Note: Must include additional information in smart tip for all [new programs](#type) | **The Department of Mathematical Sciences proposes to change the requirements for the Minor in Mathematics by altering the language that follows the list of required courses. Presently, after listing required courses, the language reads “And at least THREE additional mathematics courses at the 300-level or above, except MATH 409.” We propose changing this language to read “And at least 8 additional MATH or DATA credits at the 300-level or above, except MATH 409.” This single language change has two noteworthy effects:**   1. **In a separate proposal, the Department of Mathematical Sciences proposes changing the course prefix of the core courses in the Data Science major from MATH to DATA. The change in language to the minor from “additional mathematics courses” to “MATH or DATA credits” ensures that students can still use MATH 345 [DATA 345] and MATH 445 [DATA 445] towards completion of the minor.** 2. **Through a departmental discussion, it was noted that the credit count for the Minor in Mathematics is higher than that of the Minor in Statistical Modeling [or Minor in Data Science as is being proposed separately]. To better serve our student population and maintain consistency across department requirements, the Department of Mathematical Sciences concluded the Minor in Mathematics should also be able to be completed in 20 credits, as is the case with the other departmental minor. This means that most students will take 5 courses (as opposed to 6) to complete the Minor in Mathematics.**   **Additionally, the Department of Mathematical Sciences proposes to change language around the Mathematics Milestone Requirement. Specifically, in the sentence “Prior to enrolling in any mathematics course above 120, all students must have completed the College Mathematics Competency,” we propose replacing the word “Competency” with “Milestone.” This change is motivated by an effort to unify the language around the requirement, which has several different names located in different places, but is encoded as the “Mathematics Milestone” in students’ Academic Advising Reports.**  **This revision brings the total credit count down from to 21-24 to 20-22** | | | | |
| A.5. [Student impact](#student_impact)  Must include to explain why this change is being made? | **The language change described in A.4 was formulated with students’ best interests in mind. As indicated above, we will be insulating students against fewer viable choices for program completion if the prefix DATA is implemented. Furthermore, most students will be able to complete the Minor in Mathematics with 1 fewer course than before, which is achieved by picking two additional 4-credit courses. If a student happens to choose one or two 3-credit classes as electives in the minor, they will still be required to take a total of 6 courses. This can easily be avoided by meaningful advising conversations.** | | | | |
| A.6. [Impact on other programs](#impact) | **None, although students in other majors may find the prospect of a Minor in Mathematics more feasible.** | | | | |
| 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 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,**](file:///C:\Users\mmedwid_0292\Downloads\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. | | | | | |

### C. [Program Proposals](#program_proposals) **Complete only what is relevant to your proposal. Delete section C if not needed. PLease add in the 2020 CIP number for MAJOR revisions or new programs in C. 2; these can be found at** [**https://nces.ed.gov/ipeds/cipcode/browse.aspx?y=56**](https://nces.ed.gov/ipeds/cipcode/browse.aspx?y=56) **consult with Institutional research to be sure you select the correct one.**

|  | [Old (for revisions only)](#old_program) | New/revised |
| --- | --- | --- |
| C.1. [Enrollments](#enrollments)  Must be completed. | **15** |  |
| C. 2. [2020 CIP number](#CIPnumber" \o "THESE CAN BE FOUND AT HTTPS://NCES.ED.GOV/IPEDS/CIPCODE/BROWSE.ASPX?Y=56 CONSULT WITH INSTITUTIONAL RESEARCH TO BE SURE YOU SELECT THE CORRECT ONE.) |  | **27.0101** |
| C.3. [Admission requirements](#admissions) |  |  |
| C.4. [Retention requirements](#retention) |  |  |
| C.5. [Course requirements](#course_reqs) for each program option. Show the course requirements for the whole program here. | **MATH 209 – Precalculus [4]**  **-or-**  **MATH 240 – Statistical Methods I [4]**  **MATH 212 – Calculus I [4]**  **MATH 213 – Calculus II [4]**  **And at least THREE additional mathematics courses at the 300-level or above, except MATH 409.**  **Prior to enrolling in any mathematics course above 120, all students must have completed the College Mathematics Competency.** | **MATH 209 – Precalculus [4]**  **-or-**  **MATH 240 – Statistical Methods I [4]**  **MATH 212 – Calculus I [4]**  **MATH 213 – Calculus II [4]**  **And at least 8 MATH or DATA credits at the 300-level or above, except MATH 409.**  **Prior to enrolling in any mathematics course above 120, all students must have completed the College Mathematics Milestone.** |
| C.6. [Credit count](#credit_count) for each program option | **21 – 24** | **20 - 22** |
| C.7. Program Accreditation (if relevant) |  |  |
| C.8 Is it possible that the program will be more than 50% online (includes hybrid)?\* | **NO** | **NO** |
| C.9 Will any classes be offered at sites other than RIC campus or the RI Nursing Ed. Center?\* | **NO** | **NO** |
| C. 10. Do these revisions reflect more than 25% change to the [program?\*](file:///C:\Users\sabbotson\Documents\Curriculum\Program%20goals) | **NO** | **NO** |
| C.11. [Program goals](file:///C:\Users\sabbotson\Documents\Curriculum\Program%20goals)  Needed for all new programs |  |  |
| C.12. Other changes if any |  |  |

\* If answered YES to either of these questions will need to inform Institutional Research and get their acknowledgement on the signature page.

## 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) 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 |
| --- | --- | --- | --- |
| Rebecca Sparks | Chair, Department of Mathematical Sciences | \*Approved via email | 4/24/2023 |
| Earl Simson | Dean, Faculty of Arts and Sciences | Earl Simson | 5/2/23 |

##### 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 |
| --- | --- | --- | --- |
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