**CSU’s AUCC Category 3A: Biological & Physical Sciences**

**GT Pathways Natural & Physical Sciences (SC1, SC2)**

Note: Utilize this help document for all AUCC and GT Pathways proposals submitted in CIM prior to August 2019.

AUCC and Guaranteed Transfer (GT) Pathways Course (Re)submission Process

1. **CIM course proposal:** Submit through the [CIM-Courses website](https://next.catalog.colostate.edu/courseadmin/) – detailed CIM forms instructions below.
	1. Attach the **Course Syllabus Template** that includes the required CDHE language as outlined below.
	2. Attach the **CDHE GT Pathways Course Submittal Form & Institution Verification**.
	3. Submit the course proposal with the attachments through the regular CIM workflow to be reviewed by your college curriculum committee and the University Curriculum Committee (UCC). Once approved by the UCC and Faculty Council, the Provost’s Office will submit the resubmission paperwork to the CDHE.
2. **Course Syllabus Template:** Create a syllabus template for the course that includes the SLOs, Content Criteria, and the required GT Pathways designation statement: The Colorado Commission on Higher Education has approved XXXX #### for inclusion in the Guaranteed Transfer (GT) Pathways program in the GT-XXX category. For transferring students, successful completion with a minimum C‒ grade guarantees transfer and application of credit in this GT Pathways category. For more information on the GT Pathways program, go to <http://highered.colorado.gov/academics/transfers/gtpathways/curriculum.html>.
3. **CDHE GT Pathways Course Submittal Form & Institutional Verification – links to submittal forms:**

[**GT-SC1 – Course with Required Laboratory**](http://highered.colorado.gov/Academics/Transfers/gtPathways/Submittal%20Form/Submittal_Form_GTP_Curriculum_FINAL_N%26PS_GT_SC1.docx)

[**GT-SC2 – Lecture Course without Required Laboratory**](http://highered.colorado.gov/Academics/Transfers/gtPathways/Submittal%20Form/Submittal_Form_GTP_Curriculum_FINAL_N%26PS_GT_SC2.docx)

Complete each section (I-IV). In Section IV, explain how your unit will ensure that the required GT Pathways information will be included on each syllabus for every section of the course and how this will be regularly communicated to teaching faculty. Section V ‘Institutional Verification’ will be completed by the Provost’s Office after UCC review.

Additional GT Pathways information is available on the Curriculum & Catalog website: <https://curriculum.colostate.edu/aucc>. Contact your [UCC Representative](https://curriculum.colostate.edu/ucc-representatives/) or the [Curriculum & Catalog Unit](https://curriculum.colostate.edu/) at curriculum@colostate.edu with questions/concerns about the AUCC and GT Pathways (re)submission process.

**CIM COURSE PROPOSAL:**

1. For the **Proposed Changes field** at the top of the CIM course proposal, click “Major”. Every field in red outline is required.
2. For both EXISTING and NEW AUCC course proposals, under the **AUCC section**, respond to the prompt listed below rather than the text currently on the CIM form:

Explain how this course will build a foundation of both content knowledge (Content Criteria) and transferable skills (Core Student Learning Outcomes) relevant to this AUCC category. For example, how will the course explore/introduce/utilize methods central to the field of study, intellectual processes, readings that reinforce both skills and content, and/or assignments that require reflection and some level of application.





1. Under the **Course Learning Objectives field**, copy and paste the Core Student Learning Outcomes listed in the appropriate chart below verbatim. The Curriculum & Catalog Unit will standardize the formatting on this section, so do not worry if your SLOs are not formatted perfectly.
2. Complete the **Course Content field** by listing the appropriate Core Student Learning Outcome number in the first column. You can list each CLO separately or you can list multiple CLOs on each row – whatever works best to correspond to the ‘Course Content/Topics’ column. See CIM Help Bubble for detailed instructions. Click the green “+” button to add additional rows.



**CSU’s AUCC Category 3A: Biological & Physical Sciences GT Pathways Natural & Physical Sciences (SC1, SC2)**

Courses in this category should provide high impact practices such as writing, collaborative learning, community/civic engagement, or research as relevant to the field.

**The following statement must be copied and pasted verbatim into each instructor’s syllabus for every section, every term** (replace the text in red with your course subject code & number and the correct GT category): The Colorado Commission on Higher Education has approved XXXX #### for inclusion in the Guaranteed Transfer (GT) Pathways program in the **GT-XXX** category. For transferring students, successful completion with a minimum C‒ grade guarantees transfer and application of credit in this GT Pathways category. For more information on the GT Pathways program, go to <http://highered.colorado.gov/academics/transfers/gtpathways/curriculum.html>.

**Course syllabi:** The Content Criteria and Core Student Learning Outcomes below must be copied and pasted verbatim into each instructor’s syllabus for every section, every term.

**CIM proposals:** Copy/paste the Core Student Learning Outcomes below into the Course Learning Objectives section. Respond to the following prompt in the AUCC justification section, “Explain how this course will build a foundation of both content knowledge (Content Criteria) and transferable skills (Core Student Learning Outcomes) relevant to this AUCC Category. For example, how will the course explore/introduce/utilize methods central to the field of study, intellectual processes, readings that reinforce both skills and content, and/or assignments that require reflection and some level of application.”

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| **AUCC Category** | **GT Pathways Content Area** | **Content Criteria**Content Competencies pertain to the knowledge base, methods, concepts, and content-related learning that students should garner from participation in a course. Students should be able to demonstrate acquisition of such content-focused learning as a result of participation in courses in each category of the AUCC.  | **Core Student Learning Outcomes**Core Student Learning Outcomes are transferable skills that students garner in a variety of educational settings and that have wide applicability across fields and in life. |
| **3A:**Biological & Physical Sciences | **GT-SC1:** Natural & Physical Sciences *with* Required Lab | The **lecture** content of a science course:1. Develop foundational knowledge in specific field(s) of science.
2. Develop an understanding of the nature and process of science.
3. Demonstrate the ability to use scientific methodologies.
4. Examine quantitative approaches to study natural phenomena.
5. Develop concepts of accuracy, precision, and the role of repeatability in the acquisition of scientific knowledge.
6. Develop connections between the specific subject matter being taught and other areas of scientific endeavor or human activity.

The **laboratory** (either a combined lecture and laboratory, or a separate laboratory tied to a science lecture course) content of a science course:1. Perform hands-on activities with demonstration and simulation components playing a secondary role.
2. Engage in inquiry-based activities.
3. Demonstrate the ability to use the scientific method.
4. Obtain and interpret data, and communicate the results of inquiry.
5. Demonstrate proper technique and safe practices.
 | *Inquiry & Analysis*1. **Select or Develop a Design Process**
	1. Select or develop elements of the methodology or theoretical framework to solve problems in a given discipline.
2. **Analyze and Interpret Evidence**
	1. Examine evidence to identify patterns, differences, similarities, limitations, and/or implications related to the focus.
	2. Utilize multiple representations to interpret the data.
3. **Draw Conclusions**
	1. State a conclusion based on findings.

*Quantitative Literacy*1. **Interpret Information**
	1. Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words).
2. **Represent Information**
3. Convert information into and between various mathematical forms (e.g., equations, graphs, diagrams, tables, words).
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| **GT-SC2:** Natural & Physical Sciences *without* Required Lab |