

**UNIVERSITY CURRICULUM COMMITTEE AGENDA**  
**Friday, March 6, 2020 at 2:00 p.m.**  
**106 Administration, Provost Conference Room**

If you are unable to attend or will be sending a substitute, please notify UCC Chair Brad Goetz (1-7690) or [Curriculum@colostate.edu](mailto:Curriculum@colostate.edu) (1-2816) prior to the meeting. FileShare link: <https://eid.colostate.edu/filessharing/login.aspx>

**Please note:** Proposed curriculum changes are summarized below. Additional details may be viewed in the Curriculum Management (CIM) system by clicking on the [hyperlinked](#) course number or program title.

**ANNOUNCEMENTS**

Upcoming UCC deadlines:

- **4/10/20** – New experimental courses for Summer 2020
- **5/15/20** – Changing or deactivating existing courses & new courses for Spring 2021

**MINUTES**

The minutes of February 28, 2020.

**OTHER BUSINESS**

<b>Discussion Topics</b>	
<b>Topic</b>	<b>Notes</b>
<b>All-University Core Curriculum – proposed revisions</b>	See documents uploaded to: <a href="#">FileShare</a> > UCC Agenda > <b>02-28-20 Discussion Meeting</b>  <a href="#">Current AUCC Guidelines</a> (pdf) <a href="#">Current AUCC and GT Pathways Category Assignment</a> (pdf)
Undergraduate Programs – definitions and guidelines: <ul style="list-style-type: none"> <li>• Certificates</li> <li>• Minors/Interdisciplinary Minors</li> <li>• Options</li> <li>• Concentrations</li> <li>• Majors</li> </ul>	See documents uploaded to: <a href="#">FileShare</a> > UCC Agenda > <b>10-04-19 Discussion Meeting</b> > Undergraduate Programs Links: <ul style="list-style-type: none"> <li>• <a href="#">Curricular Policies and Procedures Manual</a></li> <li>• <a href="#">General Catalog – Glossary</a></li> <li>• <a href="#">General Catalog – Degree Requirements</a></li> </ul>
Instructional Formats for courses	Review/approval process for different instructional formats (Face-to-Face, Distance/Online, Mixed Face-to-Face)
Courses/Programs taught in languages other than English	Could a CSU degree be exclusively delivered abroad in a language other than English?
BA vs. BS degrees	
‘As needed’ offering term	See CIM course form help bubbles text below:
UCC Committee Responsibilities and Operating Procedures	See text on the Curriculum website here: <a href="https://curriculum.colostate.edu/ucc-responsibilities-procedures/">https://curriculum.colostate.edu/ucc-responsibilities-procedures/</a>

**OLD BUSINESS**

New Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Health and Human Sciences</i>			
<a href="#">EDUC 461B</a>	Secondary Science and Technology Education II	Previously offered as experimental course <a href="#">EDUC 480A2</a> (Spring 2019: 10 students; Spring 2020: 15 students).  <i>Tabled at 2/21 meeting. HHS rep will provide a revised course description.</i>	Spring 2021
<a href="#">IDEA 487</a>	Internship	1-6 var. cr.; requires written consent of instructor.  <i>Tabled at 2/28 meeting. HHS rep will clarify CLO #4 and provide status of department's internship handbook.</i>	Fall 2020
<i>Warner College of Natural Resources</i>			
<a href="#">F 209</a>	Introduction to Forest and Rangeland Ecology	<i>Tabled at 2/28 meeting. Should a 'credit not allowed' statement be added with LAND/LIFE 220 and LIFE 320?</i>	Fall 2020

**Major Changes to Existing Programs**

Program Title	Notes	Effective Term
<i>College of Natural Sciences</i>		
<a href="#">NSCI-BLEZ-BS: Major in Natural Sciences, Biology Education Concentration</a>	EDUC 460 replaced with a two-course sequence: EDUC 461A and EDUC 461B.  <i>Tabled at 2/28 meeting upon approval of EDUC 461B (see above); NS rep will clarify why GEOL 366 was removed from the Geology Education Concentration 'Select from' list.</i>	Fall 2020
<a href="#">NSCI-CHEZ-BS: Major in Natural Sciences, Chemistry Concentration</a>		
<a href="#">NSCI-GLEZ-BS: Major in Natural Sciences, Geology Education Concentration</a>		
<a href="#">NSCI-PHEZ-BS: Major in Natural Sciences, Physics Education Concentration</a>		

**NEW BUSINESS**

**Major Changes to Existing Courses**

Course #	Course Title	Notes/Changes	Effective Term
<i>College of Liberal Arts</i>			
<a href="#">D 220A</a>	Dance Techniques III: Modern	Edits to course description, prerequisite, and addition of 'May be taken up to 3 times for credit.'	Spring 2021
<a href="#">D 220B</a>	Dance Techniques III: Ballet		
<a href="#">D 221A</a>	Dance Techniques IV: Modern		
<a href="#">D 221B</a>	Dance Techniques IV: Ballet		

Major Changes to Courses in the Programs Below			
Course #	Course Title	Notes	Effective Term
<i>College of Natural Sciences</i>			
<a href="#">CS 314</a>	Software Engineering	<p><i>Proposed</i> AUCC 4A/4B in the existing <a href="#">Human-Centered Computing Concentration</a> and in four new concentrations below:</p> <ul style="list-style-type: none"> <li>• Artificial Intelligence and Machine Learning Concentration</li> <li>• Computing Systems Concentration</li> <li>• Networks and Security Concentration</li> <li>• Software Engineering Concentration</li> </ul> <p><i>Existing</i> AUCC 4A and <i>proposed</i> AUCC 4B in the existing <a href="#">Computer Science Concentration</a>.</p>	Fall 2020

New Courses in the Programs Below			
Course #	Course Title	Notes	Effective Term
<i>College of Natural Sciences</i>			
<a href="#">CS 345</a>	Machine Learning Foundations and Practice	<p>Offered Distance/Online and Face-to-face; 'credit not allowed' with <a href="#">DSCI 445: Statistical Machine Learning</a>.</p> <p><i>Due to timing restrictions with FA20 registration, the Curriculum &amp; Catalog Unit will administratively add a 'credit not allowed' statement on <a href="#">DSCI 445</a>.</i></p>	Fall 2020
<a href="#">CS 415</a>	Software Testing	4 cr.; offered Distance/Online and Face-to-face.	Spring 2021
<a href="#">CS 422</a>	Automata, Logic, and Computation	4 cr.; offered Distance/Online and Face-to-face; previously offered as <a href="#">CS 480A4</a> (Fall 2019: 5 students).	Fall 2020
<a href="#">CS 456</a>	Modern Cybersecurity	4 cr.; offered Distance/Online and Face-to-face. Proposed AUCC 4C in the new Networks and Security Concentration and CPSC-BS.	Fall 2020
<a href="#">CS 458</a>	Blockchain Principles and Applications	4 cr.; offered Distance/Online and Face-to-face; previously offered as experimental course <a href="#">CS 481A3</a> (Spring 2019: 61 students). <i>Proposed</i> AUCC 4C in CPSC-BS.	Fall 2020

<b>Major Changes to Existing Programs</b>		
<b>Program Title</b>	<b>Notes</b>	<b>Effective Term</b>
<i>College of Natural Sciences</i>		
<p><a href="#"><u>CPSC-CPSZ-BS: Major in Computer Science, Computer Science Concentration</u></a></p> <p><i>(The intent is to move these requirements from being a 'concentration' to be the requirements for the 'standalone' Major in Computer Science without a concentration.)</i></p>	<ul style="list-style-type: none"> <li>• Adding AUCC 4B designation and retaining 4A designation for <b>CS 314</b>; removing AUCC 4B designation from <b>CS 320</b>.                             <ul style="list-style-type: none"> <li>○ <i>A course proposal does need to be submitted in CIM to remove 4B designation from CS 320.</i></li> </ul> </li> <li>• AUCC 4C courses: <b>CS 410, CS 414, CS 420, CS 425, CS 430, CS 435, CS 440, CS 445, CS 455, CS 456, CS 457, CS 458, CS 464, CS 475</b></li> <li>• Removing required courses MATH 161, CS 356, and 'Additional Science' requirement.</li> <li>• Adding required course CS 201/PHIL 201 (AUCC 3B).</li> <li>• Adding footnote to MATH 160 that "MATH 155 will be accepted as a substitute, for students changing major into Computer Science."</li> <li>• Edits to 3A course list</li> <li>• Decreasing AUCC 4C course list from 16 to 4 credits and adding requirements for upper-division CS courses Junior and Senior year.</li> <li>• Removing 'Technical Electives' requirement and adding requirement to complete a minor or 2<sup>nd</sup> major <i>OR</i> to complete 'Technology Focus' courses (Technology Elective list and CS 400-level courses)</li> <li>• Other minor changes to 'select from' lists and general electives – see CIM proposal</li> </ul>	<p>Fall 2020</p>
<p><a href="#"><u>CPSC-HCCZ-BS: Major in Computer Science, Human-Centered Computing Concentration</u></a></p>	<ul style="list-style-type: none"> <li>• Adding Online Degree Completion offering format.</li> <li>• Adding minimum grade statement</li> <li>• Adding required courses CS/PHIL 201, CS 345, CS 370, STAT 158, and STAT 341</li> <li>• Removing required course MATH 161</li> <li>• Removing required course PSY 252 (moving to Group A list under 'Human Centered Emphasis Courses')</li> <li>• Replacing general AUCC 3A requirement with specific 3A course list</li> <li>• Adding CS 310H/IDEA 310H in a 'select one' group in Junior year.</li> <li>• Adding required course <b>CS 314</b> with AUCC 4A and 4B designation; removing AUCC 4B and 4C designation from <b>CS 440</b>; removing AUCC 4A and 4B designation and retain 4C designation for <b>CS 464</b>.</li> <li>• Adding 'User Interface Design Course' requirement</li> <li>• Adding a 9 cr.-minimum list of Human-Centered Emphasis Courses, including new course IDEA 310 and a credit decrease to IDEA 450.</li> </ul>	<p>Fall 2020</p>

New Concentrations		
Program Title	Notes	Effective Term
<a href="#">Major in Computer Science, Artificial Intelligence and Machine Learning Concentration</a>	AUCC 4A/4B course: <b>CS 314</b> AUCC 4C courses: <b>CS 425, CS 440, CS 445</b>	Fall 2020
<a href="#">Major in Computer Science, Computing Systems Concentration</a>	AUCC 4A/4B course: <b>CS 314</b> AUCC 4C courses: <b>CS 435, CS 453, CS 455, CS 457, CS 475</b>	Fall 2020
<a href="#">Major in Computer Science, Networks and Security Concentration</a>	AUCC 4A/4B course: <b>CS 314</b> AUCC 4C course: <b>CS 456, CS 457</b>	Fall 2020
<a href="#">Major in Computer Science, Software Engineering Concentration</a>	AUCC 4A/4B course: <b>CS 314</b> AUCC 4C course: <b>CS 414</b>	Fall 2020

Program Deactivations			
Program Title	Notes	Last admit term	Last term students can complete
<i>College of Natural Sciences</i>			
<a href="#">APCT-CPEZ-BS: Major in Applied Computing Technology, Computing Education Concentration</a>	Department is in the process of deactivating the entire ACT program.	Summer 2020	Fall 2024
<a href="#">APCT-CPTZ-BS: Major in Applied Computing Technology, Computing Technology Concentration</a>		Summer 2020	Fall 2024

Program Title Change			
Program Title	Notes	Effective Term	
<i>Warner College of Natural Resources</i>			
<a href="#">Professional Science Master's in Ecosystem Science &amp; Sustainability</a>	<i>Approved by CoSRGE on 2/6/20.</i>	Fall 2020	
Program Deactivation			
Program Title	Notes	Last Admit Term	Last Term to Complete
<a href="#">GGMA-MGMA: Master of Greenhouse Gas Management and Accounting, Plan C (M.G.M.A.)</a>	<i>Approved by CoSRGE on 2/6/20.</i>	Fall 2020	Spring 2023

New Minor		
Program Title	Notes	Effective Term
<i>College of Liberal Arts</i>		
<a href="#">Minor in Indigenous Studies</a>	Offered Main Campus Face-to-face.	Fall 2020

Major Changes to Existing Programs		
Program Title	Notes	Effective Term
<i>College of Agricultural Sciences</i>		
<a href="#">HORT-HTHZ-BS: Major in Horticulture, Horticultural Therapy Concentration</a>	Removal of required course HORT 377 ( <i>course deactivation under Consent Agenda</i> ); adjustment of elective credits.	Fall 2020
<i>College of Health and Human Sciences</i>		
<a href="#">HDFS-MAFZ-MS: Master of Science in Human Development and Family Studies, Marriage and Family Therapy Specialization, Plan A</a>	Replacing required course EDCO 670 with HDFS 515 due to accreditation requirements.  <i>Approved by CoSRGE on 2/6/20.</i>	Fall 2020
<i>College of Liberal Arts</i>		
<a href="#">LCHQ: Minor in Chinese</a>	Currently, students need to take the third- and fourth-year Chinese language classes to complete the minor. The third- and fourth-year Chinese language classes are sequential and only offered once per semester. Therefore, for most students, if they do not start taking Chinese from the first year they come to CSU, it will be impossible for them to finish the minor in Chinese in four years. The proposed changes, adding additional upper-division elective courses from other disciplines, provide more options and more flexibility for students seeking a Chinese minor.	Fall 2020
<a href="#">LJPQ: Minor in Japanese</a>	Currently, students need to take the third- and fourth-year Japanese language classes to complete the minor. The third- and fourth-year Japanese language classes are sequential and only offered once per semester. Therefore, for most students, if they do not start taking Japanese from the first year they come to CSU, it will be impossible for them to finish the minor in Japanese in four years. The proposed changes, adding additional upper-division elective courses from other disciplines, provide more options and more flexibility for students seeking a Japanese minor.	Fall 2020
<i>College of Veterinary Medicine and Biomedical Sciences</i>		
<a href="#">CLSC-MS: Master of Science in Clinical Sciences</a>	Updating outdated information underneath the Program Requirements table.  <i>Approved by CoSRGE on 2/6/20.</i>	Fall 2020

**CONSENT AGENDA**

<b>Experimental Courses – 1st Offering</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Notes/Changes</b>	<b>Effective Term</b>
<i>Walter Scott, Jr. College of Engineering</i>			
<a href="#">ECE 280A1</a>	Introduction to Project Practices	1 cr.	Fall 2020
<a href="#">MECH 481A6</a>	Mechanical Engineering Data Analysis in R	Offered Distance/Online and Face-to-face.	Fall 2020

<b>Minor Changes to Existing Courses</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Notes</b>	<b>Effective Term</b>
<i>College of Veterinary Medicine and Biomedical Sciences</i>			
<a href="#">ERHS 546</a>	Environmental Exposure Assessment	<b>Edit to prerequisites:</b> <a href="#">(ERHS 448, may be taken concurrently)</a> <del>CHEM 113</del>	Fall 2020

<b>Course Deactivations</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Notes</b>	<b>Effective Term</b>
<i>College of Agricultural Sciences</i>			
<a href="#">HORT 377</a>	Horticultural Methods for Therapy Programs	Not referenced in any programs or active courses.	Summer 2020

<b>Miscellaneous Request</b>		
<b>Program</b>	<b>Notes/Changes</b>	<b>Effective Term</b>
<i>Walter Scott, Jr. College of Engineering</i>		
<a href="#">Engineering Science Technical Elective Parameters</a>	To meet ABET accreditation requirements, the Walter Scott, Jr. College of Engineering is requesting to update the parameters for the Engineering Science (EGSC-BS) concentrations' Technical Elective categories to ensure all EGSC-BS students complete a minimum of 45 total engineering credits by graduation. The attached file outlines the specific parameter updates that need to be made to ensure students' degree audit reports (DARS) meet ABET accreditation criterion. Please note this request is being made as a miscellaneous request due to the recent deactivation of all EGSC concentrations.	Fall 2020