

**CHAS-Sciences, UCC Course Report for 2020-2021 Academic Catalog**

Status	(X) GCCC also Reviews	Code	Title	College	Department	Graduate Course Number	Same as Course	Editorial or substantive?	LAC Course?	Consent Agenda?
Deleted	X	<a href="#">BIOL 4193</a>	<a href="#">BIOL 4193: Methods for Teaching Life Science</a>	CHAS	Biology	5193				Yes
Edited		<a href="#">CHEM 1120</a>	<a href="#">CHEM 1120: General Chemistry II</a>	CHAS	Chemistry Biochemistry			substantive		Yes
Edited		<a href="#">CHEM 2010</a>	<a href="#">CHEM 2010: Chemical Safety Seminar</a>	CHAS	Chemistry Biochemistry			substantive		Yes
Edited	X	<a href="#">CHEM 4620</a>	<a href="#">CHEM 4620: Special Problems in Chemistry</a>	CHAS	Chemistry Biochemistry	5620		substantive		Yes
Edited		<a href="#">CS 1310</a>	<a href="#">CS 1310: Programming Environments for Elementary Education</a>	CHAS	Computer Science			editorial		Yes
Edited		<a href="#">CS 1320</a>	<a href="#">CS 1320: Fundamentals of Programming</a>	CHAS	Computer Science			editorial		Yes
Added		<a href="#">CS 2150</a>	<a href="#">CS 2150: Computing for Data Science</a>	CHAS	Computer Science					No
Added		<a href="#">CS 2310</a>	<a href="#">CS 2310: Foundational Concepts in Computer Science</a>	CHAS	Computer Science					No
Added	X	<a href="#">CS 3310</a>	<a href="#">CS 3310: Teaching and Learning Programming</a>	CHAS	Computer Science	5310				No
Added	X	<a href="#">CS 3320</a>	<a href="#">CS 3320: Data Structures and Algorithms</a>	CHAS	Computer Science	5320				No
Edited	X	<a href="#">CS 3610</a>	<a href="#">CS 3610: Artificial Intelligence</a>	CHAS	Computer Science	5610		substantive		Yes
Edited	X	<a href="#">CS 3730</a>	<a href="#">CS 3730: Project Management</a>	CHAS	Computer Science	5730		substantive		Yes
Added	X	<a href="#">CS 4330</a>	<a href="#">CS 4330: Methods for Teaching Computer Science</a>	CHAS	Computer Science	5330				No
Edited	X	<a href="#">CS 4410</a>	<a href="#">CS 4410: System Security</a>	CHAS	Computer Science	5410		substantive		Yes
Edited		<a href="#">EARTHSCI 1100</a>	<a href="#">EARTHSCI 1100: Astronomy</a>	CHAS	Earth Science			substantive	Yes	Yes
Edited		<a href="#">MATH 3313</a>	<a href="#">MATH 3313: Topics in Secondary Mathematics</a>	CHAS	Mathematics			substantive		Yes
Added	X	<a href="#">STAT 4784</a>	<a href="#">STAT 4784: Introduction to Machine Learning</a>	CHAS	Mathematics	5784				No
Deleted		<a href="#">PHYSICS 1800</a>	<a href="#">PHYSICS 1800: Projects in Basic Robotics and Sensors</a>	CHAS	Physics					Yes
Added		<a href="#">PHYSICS 3050</a>	<a href="#">PHYSICS 3050: Robotics and Sensors</a>	CHAS	Physics		TECH TEE 3050			No
Added	X	<a href="#">PHYSICS 4160</a>	<a href="#">PHYSICS 4160: Data visualization, modeling and simulation</a>	CHAS	Physics	5160				No
Deleted	X	<a href="#">PHYSICS 4700</a>	<a href="#">PHYSICS 4700: Electrodynamics</a>	CHAS	Physics	5700		substantive		No
Edited	X	<a href="#">SCI ED 3300</a>	<a href="#">SCI ED 3300: Orientation to Science Teaching</a>	CHAS	Science and Science Education	5300		substantive		Yes
Deleted	X	<a href="#">SCI ED 4700</a>	<a href="#">SCI ED 4700: Methods for Teaching Physical Science</a>	CHAS	Science and Science Education	5700		substantive		Yes
Added	X	<a href="#">SCI ED 4800</a>	<a href="#">SCI ED 4800: Methods for Teaching Secondary Science or MTSS</a>	CHAS	Science and Science Education	5800				No
Deleted		<a href="#">TECH 1019</a>	<a href="#">TECH 1019: Introduction to Technology and Engineering Education</a>	CHAS	Technology					Yes
Deleted		<a href="#">TECH 1022</a>	<a href="#">TECH 1022: Communication Technology</a>	CHAS	Technology					Yes
Edited		<a href="#">TECH 2119</a>	<a href="#">TECH 2119: Computer Applications in Technology</a>	CHAS	Technology			substantive		Yes
Deleted	X	<a href="#">TECH 3101</a>	<a href="#">TECH 3101: History and Philosophy of Career and Technical Education</a>	CHAS	Technology	5101				Yes
Edited		<a href="#">TECH 3114</a>	<a href="#">TECH 3114: Product Development and Enterprise</a>	CHAS	Technology			substantive		Yes
Deleted		<a href="#">TECH 3120</a>	<a href="#">TECH 3120: Technology and Engineering Education Curriculum Planning</a>	CHAS	Technology					Yes
Edited	X	<a href="#">TECH 3160</a>	<a href="#">TECH 3160: Computer-Aided Instrumentation and Interfacing</a>	CHAS	Technology	5160		substantive		Yes
Edited		<a href="#">TECH 3164</a>	<a href="#">TECH 3164: Programmable Logic Controllers (PLCs)</a>	CHAS	Technology			substantive		Yes
Deleted	X	<a href="#">TECH 3168</a>	<a href="#">TECH 3168: Technology Training Strategies</a>	CHAS	Technology	5168				Yes
Deleted	X	<a href="#">TECH 3181</a>	<a href="#">TECH 3181: Instructional Design for Career and Technical Education</a>	CHAS	Technology	5181				Yes
Deleted	X	<a href="#">TECH 3190</a>	<a href="#">TECH 3190: Technology and Engineering Education Teaching Methods</a>	CHAS	Technology	5190				Yes
Deleted	X	<a href="#">TECH 3191</a>	<a href="#">TECH 3191: Implementing Career and Technical Programs</a>	CHAS	Technology	5191				Yes
Deleted	X	<a href="#">TECH 3193</a>	<a href="#">TECH 3193: Evaluation in Career and Technical Programs</a>	CHAS	Technology	5193				Yes
Deleted	X	<a href="#">TECH 4195</a>	<a href="#">TECH 4195: Technology and Engineering Education Laboratory Management</a>	CHAS	Technology	5195				Yes
Added		<a href="#">TECH TEE 2020</a>	<a href="#">TECH TEE 2020: Transportation Technology</a>	CHAS	Technology					No
Added	X	<a href="#">TECH TEE 3000</a>	<a href="#">TECH TEE 3000: Technology and Engineering Education</a>	CHAS	Technology	5000				No
Added		<a href="#">TECH TEE 3050</a>	<a href="#">TECH TEE 3050: Robotics and Sensors</a>	CHAS	Technology		PHYSICS 3050			No

For review at 10.16.19 Meeting

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Added	X	<a href="#">TECH TEE 3100</a>	<a href="#">TECH TEE 3100: Technology and Engineering Education Curriculum Planning</a>	CHAS	Technology	5100				No
Added	X	<a href="#">TECH TEE 3150</a>	<a href="#">TECH TEE 3150: Technology Engineering Education Lab Management</a>	CHAS	Technology	5150				No
Added		<a href="#">TECH TEE 4100</a>	<a href="#">TECH TEE 4100: Technology and Engineering Education Level 3 Teaching Experience</a>	CHAS	Technology					No
Added	X	<a href="#">TECH TEE 4200</a>	<a href="#">TECH TEE 4200: Technology and Engineering Education Methods</a>	CHAS	Technology	5200				No
Added	X	<a href="#">TECH TEE 4300</a>	<a href="#">TECH TEE 4300: Career and Technical Education Methods</a>	CHAS	Technology	5300				No