TARLETON STATE UNIVERSITY

Graduate Council

Heller, Nate – *Chair*	Dobbs, Rhonda	Morgan, Ryan
Laurent, Matt – *ex-officio*	Faulkenberry, Eileen	Morrow, Christopher
Shipman, Brandon – *ex-officio*	Fragoso-Diaz, Gloria	Ross, Sharon
Hancock, Michele – *ex-officio*	Garcia, Elizabeth	Ryou, Myoung
Becker, Melissa – *ex-officio*	Geye, Trina	Sanderford, Max
LaTouche, Jason – *ex-officio*	Glassner, Steven	Schuessler, Joseph
Caudle, Adelaide – *ex-officio*	Goodpasture, James	Smith, Martha
Foster, Ryan – *ex-officio*	Holliman, Ryan	Stafford, Paul
Ashton, Triss	Howell, Julie	Tarpley, Rudy
Cavazos, David	Jones, Trinette	Westbrook, Gary
Cohen, Galia	Martin, Randy	Wigington, Tiffany
Cook, Scott	Martinson, Brian	Xu, Jun
Cruz, Richard	Mathewson, Heather	

Agenda for the Meeting of April 19, 2022

Curriculum items submitted for Graduate Council action are available at https://nextcatalog.tarleton.edu/courseleaf/approve/. You can view items by logging in using your NTNET username and password.

Agenda Item 1: Minutes of the March 15, 2022 meeting.

Agenda Item 2: Dept. of Mechanical, Environmental and Civil Engineering

Department	Program/Course	Change Request	Item No.	Effective Term
Mech, Envir, & Civil Engineer	CIVE-MS - CIVE-MS: Master of Science in Civil and Environmental Engineering	The new MS program will facilitate students with bachelor's explicitly following a professional track of completing a master's degree, along with experience to achieve the goal of professional engineering (PE) licensure and life-long learning career. With the job outlook on the rise for the civil and environmental engineering field, attaining a master's degree can give engineers an advantage to improve their earnings, career growth, and management potential in various industries, both within the commercial and governmental sectors. Civil and Environmental engineers who possess a master's degree will be better equipped to rise within their career specialization.	P332	202308
Mech, Envir, & Civil Engineer	MEEN-MS - MEEN-MS: Master of Science in Mechanical Engineering	1. changed to College of Engineering 2. Changed department to Mechanical, Environmental, and Civil Engineering 3. Changed "ENCS" to "MECE"	P296	202308
Mech, Envir, & Civil Engineer	CIVE 5319	Required course in new CIVE-MS degree for students opted for water resources/environmental focus area	C4087	202308
Mech, Envir, & Civil Engineer	CIVE 5304	Required course in new CIVE-MS degree for students opted for structural focus area.	C4058	202308

Mech, Envir, & Civil Engineer	CIVE 5305	Required course in new CIVE-MS degree for students opted for structural/transportation focus area.	C4050	202308
Mech, Envir, & Civil Engineer	CIVE 5309	Required course in new CIVE-MS degree for students opted for structural/geotechnical/transportation focus area.	C4062	202308
Mech, Envir, & Civil Engineer	CIVE 5323	Required course in new CIVE-MS degree for students opted for geotechnical/water resources focus area.	C4091	202308
Mech, Envir, & Civil Engineer	CIVE 5352	Required course in new CIVE-MS degree for students opted for water resources/environmental focus area.	C4095	202308
Mech, Envir, & Civil Engineer	CIVE 5353	Required course in new CIVE-MS degree for students opted for environmental focus area.	C4096	202308
Mech, Envir, & Civil Engineer	CIVE 5325	Required course in new CIVE-MS degree for students opted for structural/geotechnical/transportation focus area.	C4053	202308
Mech, Envir, & Civil Engineer	CIVE 5088	Required course in new CIVE-MS degree for thesis option.	C4067	202308
Mech, Envir, & Civil Engineer	CIVE 5301	Required course in new CIVE-MS degree for students opted for structural/geotechnical focus areas.	C4596	202308
Mech, Envir, & Civil Engineer	CIVE 5310	Required course in new CIVE-MS degree for students opted for geotechnical/transportation/structural/water resources/environmental focus area	C4084	202308
Mech, Envir, & Civil Engineer	CIVE 5311	Required course in new CIVE-MS degree for students opted for geotechnical/water resources/environmental focus area.	C4063	202308
Mech, Envir, & Civil Engineer	CIVE 5315	Required course in new CIVE-MS degree for students opted for transportation/structural focus area.	C4059	202308
Mech, Envir, & Civil Engineer	CIVE 5318	Required course in new CIVE-MS degree for students opted for transportation focus area.	C4064	202308
Mech, Envir, & Civil Engineer	CIVE 5320	Required course in new CIVE-MS degree for students opted for water resources/environmental focus area.	C4088	202308
Mech, Envir, & Civil Engineer	CIVE 5322	Required course in new CIVE-MS degree for students opted for water resources focus area.	C4090	202308
Mech, Envir, & Civil Engineer	CIVE 5324	Required course in new CIVE-MS degree for students opted for water resources/environmental focus area.	C4093	202308
Mech, Envir, & Civil Engineer	CIVE 5351	Required course in new CIVE-MS degree for students opted for geotechnical/environmental focus area.	C4094	202308
Mech, Envir, & Civil Engineer	CIVE 5360	Required course in new CIVE-MS degree for students opted for transportation focus area.	C4056	202308

Agenda Item 3: Dept. of Mathematics

Department	Program/Course	Change Request	Item No.	Effective Term
Mathematics	DSCI-MS - DSCI-MS: Master of Science in Data Science	The objective of the MS in Data Science is to prepare students from a wide range of backgrounds for data science careers in industry and academic research. The educational objectives can be broadly classified into five areas: (1) Mathematical Foundations, (2) Computational Reasoning, (3) Statistical Reasoning, (4) Data Science, and (5) Interdisciplinary Electives. The first four areas are standard to the field. Unique to our program is the interdisciplinary component, which is made possible by strong partnerships with faculty specializing in fields such as psychology and environmental science. Students will also have the option to take additional courses in mathematics and statistics as electives. Each of the two concentrations, General Data Science and Mathematical Data Science, has 21 hours of required coursework and 9 elective hours, culminating in a capstone research experience.	P334	202308
Mathematics	MATH 5365	This course supports the newly proposed interdisciplinary M.S. in Data Science.	C4628	202308
Mathematics	STAT 5304	This course supports the newly proposed interdisciplinary M.S. in Data Science.	C4624	202308
Mathematics	MATH 5303	This course supports the newly proposed interdisciplinary M.S. in Data Science.	C4627	202308
Mathematics	MATH 5302	This course supports the newly proposed interdisciplinary M.S. in Data Science	C4623	202308
Mathematics	MATH 5305	1) Cross-listing this course with the newly proposed STAT 5305. 2) Updating list of additional topics to align with other course offerings (time series analysis is being removed, since it will be a primary focus of STAT 5310, and cluster analysis is being removed, because it is covered in the MATH 5364 and MATH 5366 Data Science Courses). 3) Changing prerequisite from MATH 3311 to MATH 3312 to reflect a change in undergraduate course offerings.	C1161	202308
Mathematics	STAT 5305	This course supports the newly proposed interdisciplinary M.S. in Data Science.	C4625	202308
Mathematics	STAT 5310	This course supports the newly proposed interdisciplinary M.S. in Data Science.	C4626	202308

Agenda Item 4: School of Criminology, Criminal Justice & Strategic Studies

Department	Program/Course	Change Request	Item No.	Effective Term
School of Criminology, Criminal Justice and Strategic Studies	MAPA 5324	To support program need to enhance students' writing skills	C4318	202308

Agenda Item 5: Dept. of Marketing & Information Systems

Department	Program/Course	Change Request	Item No.	Effective Term
Marketing & Computer Information Systems	MKTG 5350	New course to support concentration for MSM program and the forthcoming MS in Marketing	C4620	202308