

Minutes
Graduate Council Curriculum Committee
September 23, 2026
3:00 p.m., Teams

Members Present: Elsie Olan, Kelly Kibler, Xiufang (Nadine) Guo, Peggy Hill, Rich Gause, Vladimir Gatchev, Melissa Deinys, Sean Moore, Dominique Bailey, Paul Leisher

Administrators and Guests Present: John Weishampel, Julia Listengarten, David Mohaisen, David Kwun, Patrick LiKamWa, Pradeep Bhardwaj, Ronnie Zimmerman, Jihe Zhao, Suha Saleh, Sarah Barber, Ranetta Guinn, Brandi Kramer, Yan Fernandez, Cliff Zou, Mansooreh Mollaghasemi, Michael Rovito, Gail Kauwell, Heejung Ro, Yesenia Santiago Irizarry, Kelly Grieneisen Tillotson, Song Wang, David Mitchell, Saima Owens, Candice Bridge, Edwina Norvelus, Haiyan Hu, Kerry-Ann Wright, Marcus Williams, Abdo Asmar, Paul Gazzillo, Patrick Meagher, Jihua Gou

Recorder: Emily Stettner

Welcome and call to order.

Dr. Kelly Kibler, chair, called the meeting to order at 3:00p.m. and welcomed the Committee and administrators. A quorum was established. The minutes from the September 9, 2026 meeting were reviewed and approved.

Revision of CECS Industrial Engineering MS, Accelerated BS to MSIE Track.

The revision was on the consent agenda. The revision is to the description to clarify the number of B-graded graduate courses that can apply to a student's bachelor's and master's programs. The track revision received unanimous approval.

Revision of CECS Cyber Security and Privacy MS, Accelerated BS to MS Track.

The revision was on the consent agenda. The revision is to the description to clarify the number of B-graded graduate courses that can apply to a student's bachelor's and master's programs. The track prerequisites were updated. The track revision received unanimous approval.

Reactivation of CREOL Optics and Photonics MS, Photonics Track; Optics and Photonics MS, Optics Track.

Dr. Patrick LiKamWa explained that the reactivations are due to a change in process and policy from the College of Graduate Studies. Students can now change tracks more easily. The curriculum differences of the tracks were discussed. The track reactivations received unanimous approval.

Addition of COS Physics MS, Planetary Sciences Master's Along the Way Track.

Dr. Yan Fernandez explained the Master Along the Way Track is added to create a separate catalog entry with clear curriculum. The track is for students in the Physics PhD, Planetary Sciences Track. The track addition received unanimous approval.

Revision of COS Physics PhD, Planetary Sciences Track.

Dr. Yan Fernandez explained the revision is to revise language, add the availability of the new Master's Along the Way track, change the prefix of the dissertation course to AST, and add courses to the list of elective options. The track revision received unanimous approval.

Suspension of CON Family Nurse Practitioner Graduate Certificate; Adult-Gerontology Primary Care Nurse Practitioner Graduate Certificate.

Dr. Peggy Hill explained the suspensions are due to low enrollment and low student demand. The program suspensions received approval with 8 approve votes and 1 abstain vote.

Termination of CON Nursing MSN, Nursing and Health Care Simulation Track.

Dr. Peggy Hill explained the termination is due to low enrollment and low student demand. There are no students in the track. Students interested in simulation should consider the Healthcare Simulation Graduate Certificate or the MSN Educator Track. The track termination received approval with 8 approve votes and 1 abstain vote.

Termination of CECS Training Simulation Graduate Certificate.

Dr. Mansooreh Mollaghasemi explained the program has been suspended since 2020. There are no students in the program. There is no interest in the program. The program termination received unanimous approval.

Revision of CECS Cyber Security and Privacy MS, Interdisciplinary Track; Cyber Security and Privacy MS, Technical Track.

Dr. Cliff Zou explained the revision is to electives including adding courses to the list of elective options, removing business courses, and adding the option for independent study. The track revisions received unanimous approval.

Revision of CECS Computer Engineering PhD, Post-Master's Track; Computer Engineering PhD; Electrical Engineering PhD, Post-Master's Track; Electrical Engineering PhD; Electrical Engineering MSEE, Electro-optics (EO) Track.

Dr. David Mohaisen explained the revisions are to formal or required courses being reduced for flexibility. The handbook links have been updated. Except for the MSEE, Electro-optics Track, a technical communication course was added to the curriculum. The revisions to the tracks and programs received unanimous approval.

Addition of CECS Aerospace Engineering MSAE, Hypersonics Track.

Dr. Jihua Gou explained the track is designed to prepare students for careers as engineers in the aerospace and defense industries. The curriculum includes courses related to hypersonic science and technology with applications in aerospace engineering. The track is 30 credit hours. It was suggested that language be added to clarify that additional required courses can be taken to satisfy electives, however, the same course cannot be counted in both sections. The track addition received unanimous approval.

Adjournment.

The meeting adjourned at 4:20p.m. The next meeting is scheduled for October 7, 2026.

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3:00 pm, Teams

P= Primary reviewer, S= Secondary reviewer

CONSENT AGENDA

1. College of Engineering and Computer Science

College of Engineering and Computer Science course revisions

1. CAP 6545 Machine Learning Methods for Biomedical Data (*P=Kibler, S=Deinys*) – *Approved.*
 - Revision to prerequisite
2. EEL 5669 Introduction to Robotics and Autonomous Vehicles (*P=Deinys, S= Kibler*) – *Approved.*
 - Revision to prerequisite
3. EGS 6082 Professional Communication Skills for Engineers (*P= Deinys, S= Kibler*) – *Approved.*
 - Revision to term of offering

College of Engineering and Computer Science track revisions

1. Industrial Engineering MS, Accelerated BS to MSIE Track (*P= Kibler, S= Deinys*) – *Approved.*
 - Adding language describing B-graded graduate courses that can be used to satisfy bachelor's and master's requirements
2. Cyber Security and Privacy MS, Accelerated BS to MS Track (*P= Kibler, S= Deinys*) – *Approved.*
 - Adding language describing B-graded graduate courses that can be used to satisfy bachelor's and master's requirements, prereqs

ACTION AGENDA

1. College of Optics and Photonics

College of Optics and Photonics track reactivations

1. Optics and Photonics MS, Photonics Track (*P= Lester, S= Gatchev*) – *Approved.*
2. Optics and Photonics MS, Optics Track (*P= Lester, S= Gatchev*) – *Approved.*

2. College of Sciences

College of Sciences track addition

1. Physics MS, Planetary Sciences Masters Along The Way Track (P= Lester, S= Gatchev) – *Approved.*

College of Sciences track revision

1. Physics PhD, Planetary Sciences Track (P= Lester, S= Gatchev) – *Approved.*
 - Revision to description, electives, dissertation course

3. College of Nursing

College of Nursing program suspensions

1. Family Nurse Practitioner Graduate Certificate (P= Gatchev, S= Lester) – *Approved.*
2. Adult-Gerontology Primary Care Nurse Practitioner Graduate Certificate (P= Gatchev, S= Lester) – *Approved.*

College of Nursing track termination

1. Nursing MSN, Nursing and Health Care Simulation Track (P= Gatchev, S= Lester) – *Approved.*

4. College of Medicine

College of Medicine course additions

1. MDE 8057 Graphic Medicine - Translating Research (P= Guo, S= Hill) – *Approved.*
2. MDE 8207 Principles of Aerospace Medicine (P= Guo, S= Hill) – *Approved.*

5. College of Health Professions and Sciences

College of Health Professions and Sciences course addition

1. HSC 6216 Environmental Determinants of Health (P= Hill, S= Guo) – *Approved.*

6. College of Engineering and Computer Science

College of Engineering and Computer Science program termination

1. Training Simulation Graduate Certificate (P= Hill, S= Guo) – *Approved.*

College of Engineering and Computer Science course addition

1. CAP 6623 Trustworthy Artificial Intelligence (P= Hill, S= Guo) – *Discussion if there is overlap with other AI courses- Dr. Mohaisen confirmed there is no overlap. Approved.*

College of Engineering and Computer Science program/track revisions

1. Cyber Security and Privacy MS, Interdisciplinary Track (P= Wang, S= Moore) – *Approved.*
 - Revision to description, prerequisites, electives
2. Cyber Security and Privacy MS, Technical Track (P= Wang, S= Moore) – *Approved.*
 - Revision to description, prerequisites, required courses, electives
3. Computer Engineering PhD, Post-Master's Track (P= Wang, S= Moore) – *Approved.*
 - Revision to required courses, adding technical communication course
4. Computer Engineering PhD (P= Moore, S= Wang) – *Approved.*
 - Revision to formal courses, adding technical communication course
5. Electrical Engineering PhD, Post-Master's Track (P= Moore, S= Wang) – *Approved.*
 - Revision to required courses, adding technical communication course
6. Electrical Engineering PhD (P= Moore, S= Wang) – *Approved.*
 - Revision to formal courses, adding technical communication course
7. Electrical Engineering MSEE, Electro-optics (EO) Track (P= Moore, S= Wang) – *Approved.*
 - Revision to formal courses

College of Engineering and Computer Science course additions

1. EEL 6xxx Advanced Power Distribution Analysis (P= Gause, S= Leisher) – *Tabled for no representative.*
2. EEL 6668 Computer Architecture Design for AI/ML (P= Gause, S= Leisher) – *Suggested adding C.I. to prerequisites. Approved.*
3. CAP 5939 Applied Machine Learning (P= Gause, S= Leisher) – *Approved.*

College of Engineering and Computer Science course revisions

1. EMA 5705 Extreme Environment Materials (P= Gause, S= Leisher) – *Approved.*
 - Revision to title, description
2. COP 5621 Program Translation and Compilers (P= Gause, S= Leisher) – *Approved.*
 - Revision to title, description, term of offering

College of Engineering and Computer Science course additions

1. COP 6938 ST: Software Supply Chain Security (special topic) (P= Olan, S= Leisher) – *Should be revision of existing course. The College of Graduate Studies edited the*

existing special topic course to remove the prerequisites and notified the Registrar's Office. Approved.

2. EAS 6001 Hypersonic Flow Physics and Engineering (P= Olan, S= Leisher) – *Approved.*
3. EML 6001 Gas Kinetics & Statistical Thermodynamics (P= Olan, S= Gause) – *Should be revision of course EML 5105 Gas Kinetics and Statistical Thermodynamics. The College of Graduate Studies created the revision proposal and withdrew the new course proposal. Suggested adding C.I. to prerequisites. Approved.*
4. EML 6000 AI in Mechanical, Aerospace and Biomedical Engineering II (P= Olan, S= Gause) – *Approved.*
5. EML 5000 Advanced Manufacturing (P= Olan, S= Gause) – *Approved.*
6. EML 6002 Turbomachinery (P= Olan, S= Gause) – *Should be revision of course EML 5402 Turbomachinery. The College of Graduate Studies created the revision proposal and withdrew the new course proposal. Approved.*

College of Engineering and Computer Science track addition

1. Aerospace Engineering MSAE, Hypersonics Track (P= Olan, S= Leisher) – *Suggested adding language clarifying that additional required courses can be taken to satisfy elective courses, but the same course cannot count for both required and electives. Approved.*