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**MINUTES OF
GRADUATE COLLEGE COMMITTEE ON CURRICULA
CHAS-SCIENCES**

I. Consent Agenda

A. Department of Biology

- BIOL 4193/5193 Methods for Teaching Life Science (deleted)

B. Department of Chemistry

- CHEM 4620/5620 Special Problems in Chemistry (edited, term offered)

C. Department of Computer Science

- CS 3310/5310 Teaching and Learning Programming (added)
- CS 3320/5320 Data Structures and Algorithms (added)
- CS 3610/5610 Artificial Intelligence (edited, credit hours, terms offered)
- CS 3730/5730 Project Management (edited, updated pre-reqs)
- CS 4330/5330 Methods for Teaching Computer Science (added)
- CS 4410/5410 System Security (edited, updated pre-reqs)

During the pre-meeting, it was discussed that the added Computer Science courses (CS 3310, 3320, and 4330) are part of a 5 course endorsement that the department is going to be introducing. These courses are intended for undergraduate students, but graduate students are also able to take the courses. Chad Christopher worked with this program and vetted the teacher licensure requirements. Also, Computer Science does not have a graduate program. Courses are offered at the graduate level to support other programs as needed.

D. Department of Physics

- PHYSICS 4160/5160 Data Visualization, Modeling and Simulation (added)
- PHYSICS 4700/5700 Electrodynamics (edited, updated pre-reqs)

During the pre-meeting, it was discussed that the added PHYSICS 4160 course is being added for a new undergraduate Data Science minor. Also, Physics does not have a graduate program. Courses are offered at the graduate level to support other programs as needed.

E. Department of Science Education

- SCI ED 3300/5300 Orientation to Science Teaching (edited, description, term offered)
- SCI ED 4700/5700 Methods for Teaching Physical Science (deleted)
- SCI ED 4800/5800 Methods for Teaching Secondary Science or MTSS (added)

During the pre-meeting, it was discussed that the added SCI ED 4800 course is being added to prepare all secondary science majors to teach both physical and life science to be in alignment with the state and national science education standards. Courses are rarely offered at the graduate level.

F. Department of Mathematics

- STAT 4784/5784 Introduction to Machine Learning (added)

G. Department of Technology

- TECH 3101/5101 History and Philosophy of Career and Technical Education (deleted)

- › TECH 3160/5160 Computer-Aided Instrumentation and Interfacing (edited, updated pre-reqs)
- › TECH 3168/5168 Technology Training Strategies (deleted)
- › TECH 3181/5181 Instructional Design for Career and Technical Education (deleted)
- › TECH 3190/5190 Technology and Engineering Education Teaching Methods (deleted)
- › TECH 3191/5191 Implementing Career and Technical Programs (deleted)
- › TECH 3193/5193 Evaluation in Career and Technical Programs (deleted)
- › TECH 4195/5195 Technology and Engineering Education Laboratory Management (deleted)
- › TECH TEE 3000/5000 Technology and Engineering Education (added)
- › TECH TEE 3100/5100 Technology and Engineering Education Curriculum Planning (added)
- › TECH TEE 3150/5150 Technology & Engineering Education Lab Management (added)
- › TECH TEE 4200/5200 Technology and Engineering Education Methods (added)
- › TECH TEE 4300/5300 Career and Technical Education Methods (added)

During the pre-meeting, it was discussed that the added courses (TECH TEE 3000, 3100, 3150, 4200, and 4300) are being added to meet licensure requirements. Some of the added courses are replacing the deleted TECH courses with a new prefix of TECH TEE.

The question was called on the motion to approve CHAS-SCIENCE items on the consent agenda. G. Olivares requested an online vote from all GCCC members. The motion carried unanimously.

Respectfully submitted,

Rachelle Kidwell
Office of the Registrar

cc: UCC
GCCC