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TO: Daniel Holland, Chairperson, Academic Senate
FROM: Alberto Delgado, Director of the Graduate School 
RE: Executive Summary – Proposal for the New STEM Education and Leadership Certificate

The Graduate Curriculum Committee has approved and is forwarding for Academic Senate review the attached proposal to add a new STEM Education and Leadership Certificate. STEM is a widely used acronym for education and careers in science, technology, engineering, and mathematics.

The rationale for adding the new certificate as stated in the proposal is as follows:

- The Department of Technology expects this sequence of three courses leading to a STEM Education and Leadership Certificate to be advantageous for practicing teachers who may or may not want to complete an entire master's degree.
- This certificate would allow practicing teachers to apply these courses toward their master's degrees in *STEM Education and Leadership, or just complete the certificate.
- The Department of Technology expects this certificate to serve as a credential at the public school level, not an endorsement or part of teacher certification. The certificate would showcase that the practicing teacher completed advanced coursework in STEM Education and Leadership and should be viewed within the school setting as an expert in the content area.
- The department reports that they have sufficient faculty and capacity to meet the needs of this program.

*The Graduate Curriculum Committee also approved the revision of the Technology Education Sequence which has been renamed the STEM Education and Leadership Sequence. This option under the Master of Science in Technology degree will have three new STEM courses that replace courses formally required in the sequence. These three STEM courses are also required in the certificate.

The Graduate Curriculum Committee supports the proposal to add the new STEM Education and Leadership Certificate.

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Attachments