

Utah Valley University
Curriculum Items
Board of Trustees
August 26, 2015

Proposal:

It is proposed that UVU add the following program: **Elementary STEM Endorsement Program**. In addition, the **Bachelor of Music in Performance** and the **Bachelor of Science in Computer Engineering** were approved by the State Board of Regents in 2012 and are now being submitted for their three-year follow-up.

Background:

The **Elementary STEM Endorsement Program** for Elementary Science, Technology, Engineering, and Mathematics is geared to providing professional development and best practices for practicing teachers in grades K-8. The goal of this program is to enhance educators' understandings of key concepts in STEM areas so that they may better serve the needs of their students in the 21st century. The endorsement signifies that teachers have completed a course of study that has provided them extended, specialized knowledge of instructional tools and strategies for effective instruction in science, technology, engineering, and mathematics for elementary students, along with increased understanding of the current body of research on STEM teaching and learning. This endorsement is supported by grant efforts by the Utah State Office of Education and the STEM Action Center in the Governor's Office of Economic Development. Similar programs are available at other state institutions, but UVU would be the only public institution offering these face-to-face endorsement classes in Utah and Summit Counties. Students completing the coursework for this endorsement could also receive partial credit toward a Master of Education in Curriculum and Instruction at UVU.

The **Bachelor of Music in Performance** was approved by the State Board of Regents on January 11, 2012 and began to admit students in Fall 2012. The degree is a specialized professional degree that consists of 121 credits. Study in the major area of performance, including individual instruction, performance classes, recitals, and ensemble participation, comprises 48 credits, or 40% of the total program. This significant percentage of performance-related coursework is the degree's defining factor. In addition, a unique element of this degree is coursework in music industry and technology, which includes music technology and entrepreneurship as requirements, with electives in contemporary careers, recording studio, studio producing and arranging, film scoring, and jazz improvisation.

The **Bachelor of Science in Computer Engineering** was approved by the State Board of Regents on March 30, 2012 and began admitting students in Fall 2012. The Computer Engineering (CE) program at UVU is housed in the Computer Science department. There are three programs in the Computer Science Department: Computer Engineering, Software Engineering, and Computer Science. Prior to receiving the approval to become its own BS degree, Computer Engineering was one of the areas of specialization in the computer science program. Currently, there are 143 students in the CE program.

Recommendation:

The President and the Senior Vice President for Academic Affairs recommend that the Board of Trustees approve the proposed actions as summarized above and detailed in the attached documents