Proposal:

The following curriculum items are proposed:

*Additions*
- BS in Statistics
- Certificate of Proficiency in Ethics
- Certificate of Proficiency in Information Technology
- Certificate of Proficiency in Technical Communication
- IS Emphasis in Ethics
- Minor in Art History
- Minor in Chinese Commerce
- Minor in Ethics
- Minor in Russian Studies

*Discontinuations*
- BS Computer Science: Computer Engineering emphasis

*Name Change*
- Department of College Success Studies (CSS) to the Department of Student Leadership and Success Studies

*Restructures*
- BS in Chemistry/Physics Education program into two separate degrees: BS in Physics Education and BS in Chemistry Education
- The Department of Engineering Graphics and Design Technology (EGDT)

*4 Year Follow-up Report*
- BS in Dental Hygiene

*Background:*

Utah Valley University’s proposed **B.S. degree in Statistics** will emphasize applied statistics, with the intent to both prepare students for graduate work in statistics, and also for immediate integration into the work force. Students majoring in Statistics will study probability, appropriate sampling methods, the use of the SAS statistical software package, standard probability distributions and their moment generating functions, conditional probability, and the proofs and applications of theorms central to the study of statistics.

The proposed **Certificate of Proficiency in Ethics** will be a program of study in theoretical and applied ethics, administered through the Department of Philosophy and Humanities. The Certificate will be offered to students who either hold a baccalaureate degree and wish to matriculate at UVU in order to enroll in ethics courses and
earn an official certificate, or who wish to enroll in the program, but do not wish to pursue an associate’s or baccalaureate degree. The certificate is designed to target employment and scholarly credentials. Students will be required to complete a total of 6 required and 12 elective semester hours in order to earn the Certificate. Students who are enrolled in at least 6 credit hours per semester will be eligible for financial aid.

The Certificate of Proficiency in Information Technology would augment three existing programs (Certificate in Network Administration, AAS in Information Systems and Technology, and BS in Information Technology) to comply with the requirements of the $3 million Cyber Security grant UVU received on October 1, 2012. The purpose of the grant is to provide educational programs in Cyber Security, a new, high-demand area. This new certificate of proficiency would use existing courses and provide a fast track program for displaced workers to be retrained in a high-demand area and to find entry-level employment in this growing field.

This shift from a department-level certification to a Certificate of Proficiency in Technical Communication will allow the completers of this existing program to be counted along with graduates of other UVU programs as reported to the Integrated Postsecondary Education Data System (IPEDS). In alignment with the Utah’s Prosperity 2020 goals, this shift will additionally aid in counting the progress toward 66% of Utahans earning a higher education degree in the next eight years. Since the Prosperity initiative focuses on workforce improvements to propel the Utah economy, technical writers are an obvious demographic to monitor considering how many of them take technical writing jobs within Utah’s thriving technology industries.

Integrated Studies hosts disciplinary emphases and would like to offer students an emphasis in Ethics. All courses are currently in place to support the program and the Department of Philosophy and Humanities is interested in offering a focused ethics emphasis through Integrated Studies. Integrated Studies offers students a curricular groundwork for integrating two or more disciplines as they custom-design their baccalaureate degrees. An ethics emphasis offers an innovative approach in correlating various disciplines with structured ethical research. This emphasis is not offered elsewhere in the USHE system or Intermountain region. The IS Emphasis in Ethics will allow students to examine real world ethical issues in the context of various disciplines and will offer students a valuable credential for employment and further education.

All courses needed to complete the Art History Minor are already being offered. This minor will provide students with an intellectual foundation in the history of art, with emphasis placed on the social, political, historical and religious contexts of artworks and artistic styles. Offering a minor in art history would help to strengthen liberal arts opportunities at UVU for students majoring in fields both outside of and within the visual arts. Because art history is cross-disciplinary by nature, a minor in art history would enhance degrees in fields such as history, education, humanities, language, philosophy, and theatre arts. The minor would also help students in more specific fields of study, thus strengthening employment opportunities.

The Minor in Chinese Commerce focuses on important aspects of Chinese commerce, language and culture. This program is designed to combine for students in the College of Humanities and Social Sciences (CHSS) an understanding of the social, political, historical, and economic factors that make China one of the leading international powers today. As such, the minor offers proficiency in the Chinese language, augmented with cultural knowledge of the country and an introduction to international business practices. As an interdisciplinary minor, the program draws on faculty expertise from various disciplines and includes varied perspectives. The Chinese minor programs at UVU are being organized with the maximum amount of flexibility so that students might tailor their academic needs to complement their other major programs of study and their ultimate career goals. Because UVU is approaching Chinese education in a comprehensive manner, faculty with expertise in Chinese will be blending Chinese language and culture with core subject areas such as business, computer science, political science and education.
The **Minor in Ethics** will allow students to augment their degrees with an additional academic credential in Ethics, which will benefit students entering the work force, professional schools, and graduate degree programs. It is anticipated that this minor will draw on established programs, courses and faculty expertise that focuses on essential aspects of ethics. Students are currently able to enroll in a variety of ethics courses and this minor will offer students a focused credential in Ethics. The study of ethics is an area of increasing emphasis in colleges and universities around the country and Utah Valley University has exhibited strong leadership in this academic area. In his 2005 State of the College Address, President Sederburg stated: “we already have a wonderful national reputation for our ethics program at UVSC [UVU]. The recommendation is to build on this program…” The minor in Ethics will advance this initiative.

The **Minor in Russian Studies** will provide students with cultural knowledge of Russia as well as a basic understanding of the Russian language. It is anticipated that this minor will support and enhance the student’s major program. The minor focuses on essential aspects of Russian literature, language and history, with a concentration on cultural studies. It is designed to provide students with a working knowledge of Russian as well as an understanding of the social, political, historical, and economic factors that make Russia one of the leading international powers today. The program draws on faculty expertise from various disciplines and includes global and historical perspectives. This program will enable students to familiarize themselves with basic concepts of the Russian language and culture. Students should be able to communicate at the Intermediate Low level according to National Standards provided by the American Council of Teachers of Foreign Language.

The **BS Computer Science: Computer Engineering emphasis** is no longer needed since a stand-alone BS in Computer Engineering degree was approved. Students already in the Computer Engineering emphasis will be transferred to the stand-alone degree.

The Technology Management department at Utah Valley University is requesting the discontinuation of twelve emphases within the BS Technology Management degree. Program subject matter was moved to Mountainland Applied Technology College. Courses are no longer offered due to low enrollment.

The department of College Success Studies (CSS) at Utah Valley University (UVU) is requesting a name change to **Student Leadership and Success Studies**. The department has made some necessary and definitive changes over the years in order to meet the changing needs of the university and its students. The evolution in the type and number of students attending the university has caused a surge in the growth of the Student Leadership courses and added a significant new dimension to the programs offered. One of the critical changes has been the addition of a comprehensive student peer mentoring program called UV Mentors. The purpose of the program is to train, select and develop student peer mentors for the CLSS 1000 course, University Student Success. The need to cultivate student leaders has increased. The peer mentoring program was originally designed to train student peer mentors for CLSS 1000, which focuses on developing strong successful students; now the program is also used to train and develop strong student leaders across the university.

The Physics Department, Chemistry Department, College of Science and Health, and the School of Education have offered a BS degree in Chemistry and Physics Education since 2002. It has been decided that it is appropriate to separate this degree into separate **BS degrees in Chemistry Education and Physics Education**. The restructure entails removing the physics portion of the program, to make it solely a BS in Chemistry Education program. This request accompanies a request from the Department of Physics for a new BS in Physics Education program. The proposed change will allow students to focus on either physics or
chemistry teaching more exclusively. No new instructional resources or additional classes are required for the proposed changes. Utah Valley University currently has a BS degree in Chemistry/Physics Education, but degree recipients are not allowed to teach AP physics or chemistry. Division of the degree into separate degrees of Chemistry Education and Physics Education will qualify graduates to teach AP courses. In addition, although some students have enjoyed being trained in depth in both physics and chemistry, several have had a marked preference for one discipline over the other.

The Department of Engineering Graphics and Design Technology (EGDT) at Utah Valley University currently houses the following five programs: an AAS in Drafting Technology, a BS in Geomatics, an AAS in Electrical Automation & Robotics Technology (EART), an AAS in Mechatronics and an APE in Pre-Engineering. The proposal is to create an additional Department of Engineering Technology to house the EART, Mechatronics and Pre-Engineering programs. The Drafting Technology and Geomatics programs will remain in the EGDT department. The new Department of Engineering Technology would have 9 full-time faculty members to support the Mechatronics, Pre-Engineering and EART programs, leaving 9 full-time faculty members in the EGDT department to support the AAS in Drafting Technology and the BS in Geomatics.

The Bachelor Completion program in Dental Hygiene was approved by the State Board of Regents on 1/18/2008 and first began admitting students in Fall, 2008. The Bachelor Completion program in Dental Hygiene has had a serious issue with low enrollment numbers; and although there was some growth over the first three years, at the time of the third year review, enrollment was below expectations. On the basis of the third year report, the State Board of Regents asked the Department to submit a fourth year report with updated data before making a final decision concerning the program. The Department of Dental Hygiene is grateful to have the opportunity to present the fourth year data as it shows substantial improvement in enrollments. The program is aimed at the working professional, and as such, students enroll on a part-time basis. The program prepares the students with more options for both their current and future careers. The purpose of the degree is to 1) provide students with a broader knowledge of dental hygiene, 2) address the growing body of new knowledge and protocols in the profession, 3) develop a larger pool of qualified dental hygiene educators, 4) facilitate entry into graduate school, 5) facilitate research opportunities, 6) prepare students for employment in dental-related businesses, 7) prepare students for probable changes in the profession (which are likely to include requiring a bachelor degree for entry into the profession and new employment opportunities as hybrid oral health practitioners in places such as nursing home facilities), 8) further develop student problem-solving and critical thinking skills, and 9) help the community through engaged-learning projects.

Recommendation:

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