



## **Senate Meeting #4**

3:00pm-5:00 pm

**Agenda for Monday, December 3, 2012**

Senate Meeting Locations

DPC: POST 225, Polytechnic: PRLTA 135, Tempe: EDC 117, **West: FAB S101**

### **1. Update from Campuses & Sound Check**

- a. Cristi Coursen-Downtown
- b. David Forsyth-Polytechnic
- c. Helene Ossipov-Tempe
- d. Julie Murphy Erfani - West

### **2. Call to Order**

- a. Total attendance calculation by clicker

### **3. Presidents Report** (Michael Crow)

### **4. Report from Tina Thorstenson, ASU Assistant Vice President and Chief Information Security Officer**

### **5. UAC Report** (Mark Lussier)

### **6. Old Business**

- a. **CAPC:** Consent agenda motions & new course proposals found in Appendix A

Senate **Motion 2013-10** Request from the Walter Cronkite School of Journalism and Mass Communication for the establishment of an undergraduate degree – BA in Mass Communication and Media Studies.

- Senate **Motion 2013-11** Request from the College of Health Solutions for the establishment of the School of the Science of Health Care Delivery.
- Senate **Motion 2013-12** Request from the New College of Interdisciplinary Arts and Sciences – School of Mathematical and Natural Sciences - for the establishment of an undergraduate degree – BS in Forensics.
- Senate **Motion 2013-13** Request from the College of Health Solutions – School of the Science of Health Care Delivery – for the establishment of a graduate degree – MS in the Science of Health Care Delivery.
- Senate **Motion 2013-14** Request from the School of Sustainability – for the establishment of a graduate certificate – Complex Adaptive Systems Science.
- Senate **Motion 2013-15** Request from the Graduate College – for the establishment of a graduate certificate – Responsible Innovation in Science, Engineering and Society.
- Senate **Motion 2013-16** Request from the W.P. Carey School of Business- Office of the Dean – for the establishment of a graduate degree -MS in Business Analytics.
- Senate **Motion 2013-17** Request from the School of Letters and Sciences – College of Technology and Innovation – for the reorganization of an academic unit – Department of Applied Science and Mathematics.
- Senate **Motion 2013-18** Request from the Mary Lou Fulton Teachers College – Division of Teacher Preparation – for the establishment of an undergraduate certificate – Secondary Education.
- Senate **Motion 2013-19** Request from the College of Liberal Arts and Sciences – Department of Physics – for the establishment of an undergraduate degree program – BS in Biophysics.
- Senate **Motion 2013-20** Request from the Mary Lou Fulton Teachers College – Division of Teacher Preparation – for the establishment of an undergraduate certificate – Games and Impact.
- Senate **Motion 2013-21** Request from the W.P. Carey School of Business – Department of Management – for the establishment of an undergraduate degree program – BS in Business Entrepreneurship.
- Senate **Motion 2013-22** Request from the W.P. Carey School of Business – Department of Marketing– for the establishment of an undergraduate certificate – Sports Business.
- Senate **Motion 2013-23** Request from the W.P. Carey School of Business – Department of Marketing – for the establishment of an undergraduate certificate – Sales and Marketing Essentials.
- Senate **Motion 2013-24** Request from the W.P. Carey School of Business – Office of the Dean – for the establishment of a graduate degree program – MS in Supply Chain Management and Engineering.

## **7. New Business**

Senate **Motion 2013-25** Request from the College of Technology and Innovation – Department of Engineering - for the establishment of an undergraduate degree – BS in Information Technology.

Senate **Motion 2013-26** Request from the College of Technology and Innovation – Department of Engineering - for the establishment of a graduate degree – MS in Engineering.

### **Appendix B - CAPC Information Items only**

## **8. Committee Reports**

- a. University Services and Facilities Committee - Chair, Francisco Lara Valencia

## **9. Open Forum**

## **10. Adjournment**

Appendix A and B are found in the composite agenda at the link at the top of the page

## Appendix A

### CAPC New Course Proposals

AME	101	ASU Digital Culture Experience
ARA	101	ASU: The Art Experience
ARA	495	Writing Art and Design Criticism
ARA	560	Gallery Exhibitions
ARS	538	Art of the 20th Century I
ART	110	Drawing as Seeing and Thinking
DCE	470	Fourth-Year Seminar
DSC	100	ASU Design Experience
EXW	348	Methods of Health Education
FMP	222	Education in Film
FMP	380	Film Production Crew
HCR	350	Introduction to Clinical Research
HDA	101	ASU & Herberger Institute Experience
HDA	210	Creativity and Innovation in Design and the Arts
HDA	310	Socially Engaged Practice
HRC	310	Social and Cultural Studies: Method and Theory
LAW	480	Business, Law and Society
MUE	101	The ASU School of Music Experience
MUE	154	Gesture and Sound
MUE	319	Digital and Hybrid Lab
MUP	101	The ASU School of Music Experience
MUP	465	Advanced Acting for Singers
MUP	470	Broadway Dance
MUP	565	Acting for Singers
MUP	566	Broadway Dance
MUS	210	The Arts Around Us
MUS	211	Dance, Music and Meaning
MUS	212	Music, Meaning and Imagination
MUS	213	Critical Thinking in the Arts
MUS	214	Art, Music and Learning
MUS	215	Children, Creativity and the Arts
OGI	200	Introduction to Organizational Leadership
OGI	220	Behavioral Dynamics in Organizations
OGI	240	Introduction to Project Management
OGI	260	Resource Allocation in Organizations
OGI	300	Theory and Practice of Leadership
OGI	321	Project Leadership, Strategy and Scope
OGI	322	Project Time Management
OGI	323	Project Cost Management
OGI	324	Resources in Project Management
OGI	326	Project Procurement Management
OGI	350	Diversity and Organizations
OGI	355	Leading Organizational Innovation and Change
OGI	360	Assessment of Leadership Effectiveness

OGL	421	Project Risk Management
OGL	422	Project Quality Management
SGS	350	Economic Development and Globalization
STP	450	Nonparametric Statistics
TEM	100	Seminar in Entrepreneurship
TEM	230	Creativity and Business Innovation
TEM	400	Technology Entrepreneurship
TEM	401	Focus Area Project I
TEM	402	Focus Area Project II
THP	335	Advanced Stagecraft
THP	435	Technical Direction
THP	517	Stage Management
THP	551	Arts Management
THP	552	Arts Entrepreneurship

**INFORMATION ITEMS**  
**UNIVERSITY SENATE FALL 2012**

On December 6, 2012 the Curriculum and Academic Programs Committee will recommend approval of the following:

**Mary Lou Fulton Teachers College**

*Division of Teacher Preparation*

Establishment of an undergraduate concentration

BAE in Elementary Education (Science, Technology, Engineering and Mathematics)

**Mary Lou Fulton Teachers College**

*Division of Educational Leadership and Innovation*

Establishment of a graduate concentration

**MEd in Curriculum and Instruction (Autism Spectrum Disorders)**

**College of Liberal Arts and Sciences**

*School of International Letters and Cultures*

Establishment of an undergraduate concentration

BA in International Letters and Cultures (Classical Civilization)

**College of Liberal Arts and Sciences**

*Department of English*

Establishment of an undergraduate concentration

BA in English (Secondary Education)

**College of Liberal Arts and Sciences**

*Department of Physics*

Establishment of an undergraduate concentration

BS in Physics (Secondary Education)

**College of Technology and Innovation**

*Department of Engineering*

Establishment of an undergraduate concentration

BSE in Engineering (Robotics)

**College of Technology and Innovation**

*Department of Engineering*

Establishment of an undergraduate concentration

BSE in Engineering (Electrical Systems)

**College of Technology and Innovation**

*Department of Engineering*

Establishment of an undergraduate concentration

BSE in Engineering (Mechanical Engineering Systems)

*For Senate meeting use only, official versions of all motions are found online at the Senate website*  
**Old Business to Follow**

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-10**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the Walter Cronkite School of Journalism and Mass Communication for the establishment of an undergraduate degree – BA in Mass Communication and Media Studies

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the Walter Cronkite School of Journalism and Mass Communication for the establishment of an undergraduate degree – BA in Mass Communication and Media Studies

**Rationale:**

The online Bachelor of Arts in Mass Communication and Media Studies degree gives students a deep nuanced understanding of the growing importance, power, influence and changing nature of media in the world. The program will explore global mass communication issues from all dimensions: social, cultural, historical, political, economic, technical and legal.



**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-11**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the College of Health Solutions for the establishment of the School of the Science of Health Care Delivery

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the College of Health Solutions for the establishment of the School of the Science of Health Care Delivery

**Rationale:**

The new school will bring together expertise from across the university to foster research and education relevant to the science of health care delivery. The system of health care in the United States is undergoing massive change and the new School will bring academic talent at ASU together to do research relevant to this topic as well as educating future professionals in an array of fields related to health and health care.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-12**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the New College of Interdisciplinary Arts and Sciences – School of Mathematical and Natural Sciences - for the establishment of an undergraduate degree – BS in Forensics

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the New College of Interdisciplinary Arts and Sciences – School of Mathematical and Natural Sciences – for the establishment of an undergraduate degree – BS in Forensics

**Rationale:**

This program provides and prepares students to pursue careers in forensic laboratories and in the research and development of technologies in forensics. The degree places emphasis on chemistry and biology laboratory coursework as both provide experience with essential techniques commonly used in crime labs. This degree also places emphasis on oral communication skills that will prepare graduates for the multifaceted, interdisciplinary aspects of their careers in forensics.

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2012-13**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the College of Health Solutions – School of the Science of Health Care Delivery – for the establishment of a graduate degree – MS in the Science of Health Care Delivery

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the College of Health Solutions – School of the Science of Health Care Delivery – for the establishment of a graduate degree – MS in the Science of Health Care Delivery

**Rationale:**

The Master of Science in the Science of Health Care Delivery (MSHCD) is designed to provide a foundation in the multidisciplinary field of health care delivery. This degree will provide students with knowledge and competencies to contribute in a patient-centered, safe and cost effective health care system. The ASU degree is designed for individuals with an interest in a career in the health care industry. The degree will also be embedded within the new medical school curriculum at Mayo Clinic Scottsdale when the MD degree is launched in 2014. The program will focus on quality improvement systems in health care, health disparities and interventions, health education, health economics, health policy, inter-professional teamwork and leadership skills, change management, and evidence based assessment and management. Much of the coursework will utilize a case-based, solution-oriented approach to facilitate integration of knowledge and competencies.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-14**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the School of Sustainability – for the establishment of a graduate certificate – Complex Adaptive Systems Science

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the School of Sustainability – for the establishment of a graduate certificate – Complex Adaptive Systems Science

**Rationale:**

We propose to create a new interdisciplinary graduate certificate that helps train the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences as **complex adaptive systems (CAS)**. This educational program will be tightly integrated with diverse, ongoing, university-wide research on CAS at Arizona State University and will emphasize the value of a CAS perspective to giving science better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. This certificate is designed to be complementary and closely linked to a recently approved and initiated interdisciplinary Doctoral Concentration in CASS.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-15**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the Graduate College – for the establishment of a graduate certificate – Responsible Innovation in Science, Engineering and Society

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the Graduate College – for the establishment of a graduate certificate – Responsible Innovation in Science, Engineering and Society

**Rationale:**

The Graduate Certificate in Responsible Innovation in Science, Engineering and Society will provide documented credit for graduate students interested in responsible innovation, science policy, innovation policy and science meets society issues. Students will learn essential skills, knowledge, and methods for understanding the human and social dimensions of science and technology and their applicability for analyzing processes of innovation, expert advice, and large-scale technological systems. This certificate will be an excellent way for students in the natural sciences and engineering field to demonstrate an interest and competency in the subjects above, as well as a place for S&T professionals in industry and government to continue their education in these areas.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-16**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the W.P. Carey School of Business- Office of the Dean – for the establishment of a graduate degree - MS in Business Analytics

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the W.P Carey School of Business – for the establishment of a graduate degree – MS in Business Analytics

**Rationale:**

The MSBA addresses a predicted 50-60% gap by 2018 in the supply of talent capable of performing deep analytics to address business and government problems and opportunities. Four trends are fueling data growth and job demand: cloud computing, a shift in emphasis to interaction processing from transaction processing, the growth of mobile data, and significant improvements in quantitative modeling software. The Program will leverage the combined analytics expertise of faculty in W. P. Carey School Departments. Data visualization will be a key integrating research niche and a catalyst for a new MSBA Laboratory. Such a laboratory is envisioned to be virtual; analytics vendors contacted thus far provide cloud-based, on-demand, visualization portals. Analytic vendor support for a virtual lab is anticipated to mitigate the need for substantial ASU resource investments.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-17**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the School of Letters and Sciences – College of  
Technology and Innovation – for the reorganization of an  
academic unit – Department of Applied Science and Mathematics

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the School of Letters and Sciences – College of Technology and Innovation – for the reorganization of an academic unit – Department of Applied Science and Mathematics

**Rationale:**

The faculty in biology, chemistry, physics and mathematics on the Polytechnic campus will join the faculty in the School of Letters and Sciences at the Polytechnic campus. No faculty will change locations or teaching assignments.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2012-18**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the Mary Lou Fulton Teachers College – Division of Teacher Preparation – for the establishment of an undergraduate certificate – Secondary Education

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the Mary Lou Fulton Teachers College – Division of Teacher Preparation – for the establishment of an undergraduate certificate – Secondary Education

**Rationale:**

Secondary Education (SED) certificate program prepares students who wish to teach students enrolled in seventh through twelfth grades. While students develop a strong content background, the SED certification focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

This Secondary Education Certificate is designed to allow students to receive a degree in a content area and be eligible for teaching certification grades 7-12 from the Arizona Department of Education.



**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-19**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the College of Liberal Arts and Sciences –  
Department of Physics – for the establishment of an undergraduate  
degree program – BS in Biophysics

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the College of Liberal Arts and Sciences – Department of Physics – for the establishment of an undergraduate degree program – BS in Biophysics.

**Rationale:**

Biophysics is concerned with the energies, forces and motions that govern the molecular processes of life. The B.S. degree in biophysics is interdisciplinary, providing students with a working understanding of the important principles of physics, chemistry and biology that control molecular biophysics of cells.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-20**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the Mary Lou Fulton Teachers College – Division of Teacher Preparation – for the establishment of an undergraduate certificate – Games and Impact

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the Mary Lou Fulton Teachers College – Division of Teacher Preparation – for the establishment of an undergraduate certificate – Games and Impact

**Rationale:**

The Certificate in Games and Impact is intended for undergraduates with a desire to become change agents in their current and future areas of interest, study and training. The Certificate provides a solid grounding in the theory, design and use of games as tools for effecting change in education, health, and social justice, among other fields. For this reason, it is appropriate for students in a wide range of majors, including interested students in design and programming.

**ARIZONA STATE UNIVERSITY**

**Second Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-21**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the W.P. Carey School of Business – Department of Management – for the establishment of an undergraduate degree program – BS in Business Entrepreneurship

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the W.P. Carey School of Business – Department of Management – for the establishment of an undergraduate degree program – BS in Business Entrepreneurship

**Rationale:**

This proposal for a BS in Business Entrepreneurship is simply a change in status from our popular entrepreneurship concentration within management to its own degree within the management department. There will be no content changes with this move.

The program prepares students to identify, evaluate and develop entrepreneurial opportunities, whether in existing companies or through new business ventures. Students earning the degree may follow multiple self-directed paths such as starting a new venture, working for a new venture or a small business, or working as an innovative leader within an existing organization. The degree has an emphasis on collaboration, leadership, communication and team building, as well as development in refined analytical, managerial and leadership skills appropriate for people who want to change the world through new product development and innovation.

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-22**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the W.P. Carey School of Business – Department of Marketing– for the establishment of an undergraduate certificate – Sports Business

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the W.P. Carey School of Business – Department of Marketing – for the establishment of an undergraduate certificate – Sports Business

**Rationale:**

The Certificate in Sports Business is targeted to W. P. Carey BS students, and is neither limited to marketing majors (concentration) nor excludes students who are pursuing a marketing degree (minor). As indicated by the membership in the Sports Business Association (SBA), the almost 200 members of this club are comprised of business students from all disciplines. As a result, this Certificate will allow business students to enhance their educational experience by pursuing Sports Business, as an interest area, in addition to their BS degree. Though the courses are offered through the Marketing Department, the content will draw across disciplines. For instance, the introductory course, Sports Business, as well as Sports Projects, will include cross-disciplinary coverage. More importantly, the Certificate in Sports Business clearly leads to advanced specialization in the field. In fact, this Certificate draws on the curriculum that formerly comprised the Sports Business specialization in the MBA program. Finally, given the competitive marketplace in Arizona, this Certificate offers a new option for W. P. Carey students that could attract more students to ASU.

UNIVERSITY SENATE

FALL 2012

**Senate Motion # 2013-23**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the W.P. Carey School of Business – Department of Management – for the establishment of an undergraduate certificate – Sales and Marketing Essentials

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the W.P. Carey School of Business – Department of Marketing – for the establishment of an undergraduate certificate – Sales and Marketing Essentials

**Rationale:**

The Certificate in Sales and Marketing Essentials is targeted to undergraduate non-business majors. While marketing majors and other BS students may not enroll in this Certificate, we would like the flexibility to allow non-degree students to pursue this Certificate. As a “free-standing” program, the Certificate (versus a minor or concentration) is most appropriate. Students are very interested in enhancing the value of their ASU degree. In addition, though not their core area of study, many students ultimately find entry-level positions in the sales domain. Based on input from the W. P. Carey Academic Advising staff, non-business majors would be very interested in a certificate that provides coverage of sales and marketing. According to the Business Career Center (BCC) staff, employers, who are specifically interested in hiring students for sales roles, would be very interested in students who completed a certificate in sales and marketing. Though the courses are offered through the marketing department, the content is broad and far-reaching, covering a wide variety of topics. More importantly, the Certificate in Sales and Marketing Essentials clearly leads to advanced specialization in the marketing field.

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-24**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** November 5, 2012

**Date of Second Reading:** December 3, 2012

**Title of Motion:** Request from the W.P. Carey School of Business – Office of the Dean – for the establishment of a graduate degree program – MS in Supply Chain Management and Engineering

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the W.P. Carey School of Business – Office of the Dean – for the establishment of a graduate degree program – MS in Supply Chain Management and Engineering

**Rationale:**

The Master of Science in Supply Chain Management and Engineering (MS-SCME) will be a two year, 30 credit hour program for working professionals in supply chain management, industrial engineering or a related field that consists of 15 credit hours of courses from the Department of Supply Chain Management in the W. P. Carey School of Business and 15 credit hours from the Industrial Engineering program in the School of Computing, Informatics, and Decision Systems Engineering in the Ira A. Fulton Schools of Engineering. Most students will have an undergraduate degree in a technical field, such as business, engineering, or science. The objective is twofold: (1) to provide students with knowledge of the fundamental foundations across the full spectrum of supply chain management functions, and (2) the ability to use state-of-the-art engineering tools to analyze, control, and optimize modern supply chains. The initial offering of the degree will be online.

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**New Business to Follow**

**ARIZONA STATE UNIVERSITY**

**First Reading**

**UNIVERSITY SENATE**

**FALL 2012**

**Senate Motion # 2013-25**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** December 3, 2012

**Date of Second Reading:** January 28, 2013

**Title of Motion:** Request from the College of Technology and Innovation –  
Department of Engineering - for the establishment of an undergraduate  
degree – BS in Information Technology

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the– College of Technology and Innovation – Department of Engineering – for the establishment of an undergraduate degree – BS in Information Technology

**Rationale:**

The BS in Information Technology is a flexible, project-driven program focused on computerized acquisition, modeling, presentation, and retrieval of digital data and documents. Graduates possess structured problem solving, data management, and design skills as they relate to various forms of digital data and documents. Students in this program select a focus area (Web, Security/Administration, or Video Games) and a secondary focus in a related area that meets student educational objectives.

UNIVERSITY SENATE

FALL 2012

**Senate Motion # 2013-26**

**Motion Introduced by:** Curriculum and Academic Programs Committee  
Arnold Maltz, Chair

**Date of First Reading:** December 3, 2012

**Date of Second Reading:** January 28, 2013

**Title of Motion:** Request from the College of Technology and Innovation –  
Department of Engineering - for the establishment of a graduate  
degree – MS in Engineering

**Action Requested:**

The Curriculum and Academic Programs Committee recommends University Senate approval of a proposal submitted by the– College of Technology and Innovation – Department of Engineering – for the establishment of a graduate degree – MS in Engineering

**Rationale:**

This program extends the unique approaches to engineering education developed at the Polytechnic campus at the undergraduate level to the graduate level. The M.S. in Engineering program consists of a core set of courses designed to develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control. The expertise developed in the core curriculum is reinforced through focus areas building on existing unit faculty strengths, including alternative energy, mechanical, electrical and manufacturing engineering. Reflective of the approach taken to engineering education in the undergraduate program, the program incorporates a relevant project, required of all students in this degree program, within the focus area courses. The degree will offer a course-only option plus options culminating in a Master's thesis, capstone course or an applied project. Each of these options is designed to engage students with real-world applications of engineering and to develop problem solving skills.



