Program Modification

Bachelor of Science
Computer Science and Engineering

Program Code: EN-CSE-BSU
College: Engineering
Department: Electrical Engineering and Computer Science
Contact: Gursel Serpen

Summary: Two new courses have been added to the required core curriculum, EECS 4560 Database Management Systems and EECS 4760 Computer Security, and the requirement of either CIVE 1150 Statics or MIME 3400 Thermodynamics was eliminated. An adjustment was made to electives to maintain the same credit hours.

Rationale: Accreditation Board for Engineering and Technology recently mandated that the Computer Science programs must cover topics in "Database" and "Computer Security". Further, the Statics/Thermodynamics courses were originally instituted to help students with the Professional Engineer (PE) exams, however BSCSE students rarely take the exam.

A total of three (3) changes to course list were proposed:

>   Two breadth electives were eliminated.
>   Two new required courses were added: EECS 4560 Database Management Systems
>   EECS 4760 Computer Security

>   The requirement of CIVE 1150 or MIME 3400 was eliminated.
>   A "Free Elective" was added (must be a 3-credit hour academic course).

Credit hours: unchanged (128)

Program Modification

Bachelor of Business Administration in
Human Resource Management

Program Code: BU-HRM-BB
College: Business and Innovation
Department: Management
Contact: Dr. Laurence Fink

Summary: This is a revision of the Human Resource Management major to reflect current professional practice and work requirements.

Rationale: Based on major business advisory board suggestions, we are merging two courses and making room for human resource information systems/analytics.

OLD	NEW	
HURM 3220	HURM 3220	Human Resource Management
BLAW 3550	BLAW 3550	Legal and Safety Compliance
MGMT 4250		**Performance Management For Individuals And Teams**
HURM 4640	HURM 4640	Benefits, Health and Wellness
HURM 4650	HURM 4650	Compensation
HURM 4660	HURM 4660	Planning, Selection & Recruitment
HURM 4710	HURM 4710	Training and Evaluation
	HURM 4800	**Human Resource Information Systems**

Credit hours: unchanged (21)

Program Modification

AAB in Information Services and Support
(Associate of Applied Business)

Program Code: BU-ISS-AAB
College: Business and Innovation
Department: Applied Organizational Technology
Contact: Kathleen Fitzpatrick

Summary: Based upon industry data, other two-year school degree offerings, and the current job market, a degree titled Computer Support Specialist would be an excellent opportunity to pursue. This would require a program modification to the **Information Services and Support** program, including a program name change to **Computer Support Specialist**.

Rationale: These changes are being made to provide students with a skill set to enable them to be better prepared for the workplace and to meet the knowledge-base required by employers.

OLD	NEW	
ENGL 1110	ENGL 1110	
ENGL 1130, 1140, 1150 or 2960	ENGL 1130, 1140, 1150 or 2960	
Social Science Core	Social Science Core	
Natural Science Core		
	Natural science or social science elective	
Humanities Core	Humanities Core	
MATH 1180,1200,OR 1320	MATH 1180,1200,OR 1320	
ACTG 1040		**Financial Accounting**
ACTG 1050		**Management Accounting**
	CMPT 1110	**PC Operating Systems**
	CMPT 2500	**Help Desk Concepts (new course)**
BUAD 1000	BUAD 1000	
BMGT 1010	BMGT 1010	
BMGT 1500	BMGT 1500	
BMGT 2700 OR 2750	BMGT 2700 OR 2750	
CMPT 1020	CMPT 1020	
CMPT 1100	CMPT 1100	
CMPT 1120		**Visual Basic**
	BMGT 2030	**Supervision**
CMPT 1320	CMPT 1320	
CMPT 1410	CMPT 1410	
CMPT 1420		**Microsoft Access**
CMPT 1440		**Microsoft PowerPoint**
	CMPT 1430	**Microsoft Word**
	CMPT 2460	**Advanced Microsoft Excel**
CNET 2150		
CNET 2200		
Technical elective		
	CMPT 1450	**Microsoft Outlook**

Credit hours: unchanged (60)

New Program
Minor in Mechatronics

Program Code: MECE
College: Engineering
Department: Mechanical and Industrial Engineering
Contact: Sorin Cioc

Summary: A new minor program in mechatronics was created to promote and support the MIME department's strategic decision to expand in this area.

Rationale: This minor was motivated by industrial feedback and need.

Courses for Minor

MIME 3300 Design and Analysis of Mechanical Systems
MIME 3380 Modeling and Control of Engineering Systems
MIME ~~4410~~ (4460) MATLAB for Engineers   (new)
MIME 4430 Automotive Control Systems   (new)
MIME 4440 Mechatronics   (new)

Minimum credit hours: 15

COMMENT: the MIME 4410 course number has a conflict with an existing course; the new course number should have been 4460 – change request submitted.
(NB: the three new courses have not yet been approved by FS).

New Program
Minor in Surveying

Program Code: SURV
College: Engineering
Department: Civil and Environmental Engineering
Contact: Michael Pniewski

Summary: Completion of this minor program will fulfill the educational requirements for professional surveyor licensure for civil engineering graduates. This minor program was submitted for approval to the Ohio Board of Professional Engineers and Surveyors. The contents of this minor program were developed with guidance from members of the Board and Board staff.

Courses for Minor

CIVE 3720 - Boundary Surveying	(new)
CIVE 3730 - Geodetic and Control Surveying	(new)
CIVE 3760 - Route and Construction Surveying	(new)
CIVE 3770 - Cadastral Surveys and Ohio Land Systems	(new)
CIVE 4720 - Boundary Control and Legal Principles	(new)
CIVE 4770 - Legal and Ethical Aspects of Surveying	(new)

Minimum credit hours: 18

The courses required for this minor are being submitted concurrently with this new minor program. (not yet approved by FS)