Central Connecticut State University
UNIVERSITY SENATE ACTION

Senate Motion Number FS 10.11.025B ✓

TO: President Jack Miller

FROM: President of the University Senate

1. The attached motion of the University Senate, dealing with: **Curriculum Committee Report** is presented to you for your consideration.

2. This motion was adopted by the University Senate on **5/9/2011**.

3. After considering this motion, please indicate your action on this form, and return it together with the original copy to the President of the University Senate.

4. Under the By-Laws of the University Senate, Section 3.8, the following schedule of action is to be observed.
   a) By **5/12/2011**, Senate action reported to the President of the University. (Within five school days of the session in which they are adopted).
   b) By **5/27/2011**, the President of the University to return the motion to the President of the Senate. (Within ten school days of its receipt).

5/11/2011
Date

BBarr for CBarrington BB for CB
Candace Barrington, President, University Senate

ENDORSEMENT:

TO: President of the University Senate

FROM: President Jack Miller

1. Motion Approved : ✓
2. Motion Disapproved:_____ (Explanatory statement must be appended).
3. Action "is deferred":_____
4. Resolution Noted:_____
5. Other:_____

5/24/11
Date

John W Miller
President Jack Miller

- Committee Calendar
- Committee Membership
- Contact the Committee
- Committee Bylaws
- Committee Bylaws (Proposed Revision)
- Subcommittee Membership
- Submission Checklist
- [D] Designation
- DHE Regulations
- FAQ Sheet
- Minutes 2010-11
- Agendas & Reports 2010-11

Curriculum Forms and Archives

To: Faculty Senate
From: Don Adams, Chair of the Curriculum Committee
Date: 5/9/2011

On May 4, the Curriculum Committee met and approved the following items. On behalf of the Curriculum Committee, I submit these items for the approval of the Faculty Sentate at its meeting on Monday, May 9.

Minor Changes

1. ENG 365 The Modern European Novel had the "[I]" removed without going through the curriculum process, so the "[I]" has been restored with the Department's approval.

2. FR 335 (French for Oral Presentation) & FR 336 (French Composition & Translation) were removed from the Major in French, BS without going through the curriculum process, so they have been restored with the Department's approval.

Accounting	
1	Undergraduate Course Revision: AC 212: ***change prerequisite only***
	Old Prerequisite: MIS 201 (may be taken concurrently), and AC 211 (both with C- or higher) *New Prerequisite:* AC 211 (with C- or higher)
Biology	
2	Undergraduate Course Deletion: BIO 416
3	Graduate Course Addition: BIO 530
	Course Entry: BIO 530 Immunology 3 Prereq.: *Admission to graduate program or permission of department chair. Cells and organs of the immune* system, immunoglobulin structure and genes, antigen-antibody interactions, major histocompatibility genes and molecules, complement, humoral and cell-mediated immunities, hypersensitivities, immunodeficiencies, transplants, and autoimmunity. Three hours of lecture per week. Spring.
4	Graduate Program Revision: Master of Science in Biological Sciences: Anesthesia
	Four Changes under "Major Field Requirements (24 credits):" (1) Delete BIO 416 Immunology (2) Add BIO 530 Immunology (3) Change "Plan A:" to "Plan A: Capstone" (4) Change "Plan B:" to "Plan B: Capstone"
5	Graduate Program Revision: Master of Science in Biological Sciences: Health Sciences Specialization
	Two Changes under: "Course and Capstone Requirements:" *(1) Delete the following section:* Professional Education (6 credits): ED 511 Principles of Curriculum Development 3 EDL 513 Supervision 3 *(2) Change the section "Major Field Requirements (18-19 credits):" to read as follows:* Major Field Requirements (24-25 credits): BIO 412 Human Physiology 3 BIO 413 Human Physiology Laboratory 1 BIO 500 Seminar in Biology 1-2

	BIO 518 Applied Physiology 3 BIO 528 Pharmacology 4 BMS 506 Biosynthesis, Bioenergetics and Metabolic Regulation 3 or CHEM 550 Basic Organic and Biological Chemistry 3 and BIO or BMS Electives as approved by Health Sciences Advisor or Department Chair. No more than 10 credits may be taken as BMS courses. (This 10 credit limit does not include BIO/BMS 412/413).
Communication	
6	Undergraduate Course Revision: COMM 492: ***change title and description***
	New Course Entry: COMM 492 Political/Legislative Intern Experience 3 OR 6 Prereq.: Junior standing or higher, permission of faculty and department chair. Majors and minors only. Can be taken concurrently with COMM 490. Work in the State Legislature or other political contexts. In addition, a series of seminars, assigned readings, and completion of a substantial research project are required.
Computer Electronics & Graphics Technology	
7	Undergraduate Course Revision: CET 236: ***change prerequisites and description***
	New Course Entry: CET 236 Circuit Analysis 3 Prereq.: ENGR 150 or ROBO 110, MATH 135 or MATH 152. Covers basic concepts and laws, methods of analysis and circuit theorems in DC and AC circuits. Topics include voltage, current, power, resistance, capacitance, inductance, node analysis, mesh analysis, Thevenin's theorem, Norton's theorem, phasors, transfer functions, steady state and transient analysis. Labor atory experiments involve building circuits, using instruments to measure quantities and observe phenomena. 3 hr Lecture/2 hr Lab, course meets 5 hours per week.
8	Undergraduate Course Revision: CET 349: ***change title and description***
	New Course Title: Network Routing At End of Course Description, change "Lecture/lab meets 4 hours per week" to "2 hr Lecture/2 hr Lab, course meets 4 hours per week."
9	Undergraduate/Graduate Course Revision: CET 443: ***change title, prerequistes and description***
	New Course Title (add "s" to the end of "Communication"): Electronic Communications *New Prerequisite:* CET 323 or acceptance to the Graduate MSCIT or MSTM programs. *New Course Description:* Radio Frequency transmitting and receiving circuits, modulation and detection techniques, noise in circuits and systems, transmission lines, antennas, analog and digital communications. Analysis and synthesis laboratory experiments emphasize building circuits, troubleshooting, and using instruments to measure quantities and observe phenomena. 3 hr Lecture/2 hr Lab, course meets 5 hours per week. Note: in Undergraduate Catalog, course description ends with "[GR]"
10	Undergraduate/Graduate Course Revision: CET 449: ***change prerequisite and description***
	New Prerequisite: CET 349 or acceptance to the Graduate MSCIT or MSTM programs. *Description Correction:* change "HDCL" in description to "HDLC" At End of Course Description, change "Lecture/lab meets 5 hours per week" to "3 hr Lecture/2 hr Lab, course meets 5 hours per week." Note: in Undergraduate Catalog, course description ends with "[GR]"
11	Undergraduate/Graduate Course Revision: CET 453: ***change prerequisite and description***
	New Prerequisite: CET 213 or CS 151, and CET 363; or acceptance to the Graduate MSCIT or MSTM programs. At End of Course Description, change "Lecture/lab meets 5 hours per week" to "Projects focus on solving real world problems following a standard development process. 3 hr Lecture/2 hr Lab, course meets 5 hours per week." Note: add "[GR]" at the end of course description in Undergraduate Catalog
12	Undergraduate/Graduate Course Revision: CET 479: ***change title, prerequisites and description***
	New Title: Network Administration

	New Prerequisite: CET 339 or acceptance to the Graduate MSCIT or MSTM programs. *New Description: Advanced network administration using network operating system. Emphasizes Internet related* protocols and server configurations, including the planning, design, building, and management of internet name server, web server, mail server and file server. 2 hr Lecture/2 hr Lab, course meets 4 hours per week. Note: add "[GR]" at the end of course description in Undergraduate Catalog
13	Undergraduate Course Revision: CET 497: ***change title, prerequisites and description***
	New Course Entry: CET 497 Capstone Project I 1 Prereq.: CET 346, CET 349. Identification, investigation, research, and proposal of an implementation approach to a selected solution for a problem. Social, environmental, ethical, economic, and legal factors are considered. A detailed concept and design proposal is presented.
14	Undergraduate Course Revision: CET 498: ***change title, prerequisites and description***
	New Course Entry: CET 497 Capstone Project II 2 Prereq.: CET 497. Implementation of the proposed solution in the developed Report in CET 497. A functional prototype is simulated, built, measured, and evaluated. A final Report is presented and the project demonstrated.
15	Graduate Course Revision: CET 501: ***change title, prerequisites and description***
	New Course Entry: CET 501 Applied Networking Technology I 3 Prereq.: acceptance to the Graduate MSCIT or MSTM programs. Functions and capacities of LAN/WAN networks, *emphasis on TCP/IP network model. Credit not given to students who have completed CET 249 as an* undergraduate student.
16	Graduate Course Revision: CET 502: ***change description***
	New Course Entry: CET 502 Applied Networking Technology II 3 Prereq.: CET 501. Router configurations, routing algorithms and protocols, switching terminology. Design, implementation, and troubleshooting of interconnected networks. IP and data link addressing. Credit not given to students who have completed CET 349 as an undergraduate student.
17	Graduate Course Revision: CET 533: ***change title, prerequisites and description***
	New Course Entry: CET 533 Digital Transmission in Telecommunications 3 Prereq.: acceptance to the Graduate MSCIT or MSTM programs. Digital transmission techniques including signals, coding, decoding, modulation, multiplexing and switching in telecommunications networks. Also covers fundamental principles, system architectures and services.
Economics	
18	Undergraduate Course Revision: ECON 201: ***change description***
	Delete the following sentence: "It is recommended that ECON 200 be taken before ECON 201."
Engineering	
19	Undergraduate Course Addition: ME 358
	ME 358 Engineering Thermodynamics II 3 Prereq.: ME 354. Gas mixtures, their composition and thermodynamic properties. Chemical reactions, chemical and phase equilibrium. Fuels and combustion. Theoretical and actual combustion processes. Compressible flows in nozzles and ducts. Multistage power cycles. Refrigeration and air conditioning.
English	
20	Undergraduate Course Revision: ENG 298: ***change prerequisites and description***
	New Prerequisites: ENG 110 (C- or higher) or equivalent. Restricted to English BA and BS majors and English minors, except by permission of instructor. Note: at the end of the description, change *"Intended for English majors"* to *"English majors and minors only."*
21	Undergraduate General Prerequisite Revision *(electronic submission impossible)*
	Old General Prerequisite: ENG 110 is a prerequisite for all other English courses, except ENG 099; ESL 108, 109. *New General Prerequisite:* ENG 110 or an equivalent is a prerequisite for all other English courses, except ENG

Note: at the end of the description, change "Intended for English majors" to "English majors and minors only."

	099, ESL 108, ESL 109. Students majoring in English or Journalism or minoring in English, Journalism, Cinema Studies, Writing, or Creative Writing must earn a grade of C- or higher in ENG 110 before taking additional ENG, CINE, or JRN courses. *Placement of New General Prerequisite:* (1) in the English Department listing under School of Arts and Sciences (currently at http://www.ccsu.edu/page.cfm?p=2609), below the list of faculty, immediately under "Programs," replacing the current "General prerequisite." (2) in the English section of the course descriptions (currently at http://www.ccsu.edu/page.cfm?p=2699), at the very top, replacing the current "Note," which reads "ENG 110 or an equivlent is a prerequsite for all other English courses."
22	Undergraduate Course Addition: **ENG 363**
	ENG 363 Greek Literature 3 Prereq.: ENG 110 or equivalent, junior standing recommended. Greek poetry and prose from the late 8th Century BCE through the Alexandrian period, focusing on representative works and authors of epic, lyric, drama, history, oratory, and/or philosophy. No credit given to students who have taken ENG 362. [I]
23	Undergraduate Course Addition: **ENG 364**
	ENG 364 Latin Literature 3 Prereq.: ENG 110 or equivalent, junior standing recommended. Latin poetry and prose from the early 1st Century BCE into the medieval period, including representative works and authors of epic, lyric, drama, satire, history, oratory, and/or philosophy. No credit given to students who have taken ENG 362. [I]
24	Undergraduate Course Revision: **ENG 362**
	Add to the end of course description: "No credit given to students who have taken ENG 363 or 364."
History	
25	Undergraduate Program Revision: **Minor in Polish Studies** *(electronic submission impossible)*
	Add "SOC 478 Current Topics in Sociology (as approved by Coordinator)" to the end of the list of courses approved for the minor
Physics and Earth Sciences	
26	Undergraduate Course Revision: SCI 412: ***change prerequisites and description***
	New Course Entry: SCI 412 Elementary Science Methods 2 Prereq.: BIO 211, SCI 111, admission to the Professional Program in Teacher Education. Subject matter majors with complementary area of earth science are exempt from SCI 111. Methods of science instruction and assessment using developmentally appropriate activities. Introduction to science curriculum, the National Science Standards, and the State of Connecticut Frameworks.
Political Science	
27	Graduate/Undergraduate Course Revision: PS 448: ***remove Grad credit, change title, credits, prerequisites, description, cycling***
	New Course Entry: PS 448 Current U.S. Public Policy Issues 4 Prereq.: PS 110 and PS 230; or permission of instructor. Study of the politics and administration of government programs in such fields as education, healthcare, housing, and social welfare policy. Significant independent student research project in U.S. politics required. Fall. Note: delete from Graduate catalog and remove "[GR]" from the end of the description in the undergraduate catalog.
Teacher Education	
28	Undergraduate Program Revision: Major in Elementary Education, BS: ***change general education requirements only***
	Old General Education Requirements: Program Requirements (130 credits) General education requirements as follows: ENG 110, MATH 113, MATH 213 and BIO 211, HIST 261 or 262, PSY 236, SCI 111, or any other ESCI course. Elementary education majors are also required to take either PSY 362 or 462. *New General Education Requirements:* Related requirements: ENG 110, MATH 113, MATH 213, BIO 211, HIST 161 or 162, PSY 236, SCI 111. Elementary education majors are also required to take either PSY 361 or 362.
Technology & Engineering Education (K-12)	
29	Undergraduate Course Revision: TE 155: ***change prerequisite and description***
	New Prerequisites and Description:

45	ENGR 291	Engineering Diversity	ENGR 150 or permission of instructor	ENGR 150 (C- or higher) or permission of instructor
46	ENGR 490	Fundamentals of Engineering	ET or ME senior standing or permission of instructor	ET, CE, or ME senior standing or permission of instructor.
47	*ETM 467*	CAE Applied Finite Element Analysis	ENGR 257 or ET 357 or permision of instructor	ENGR 257 (C- or higher) or ET *357 (C- or higher) or permision of* instructor
48	CE 253	Introduction to Engineering Surveying	ENGR 150 and MATH 152; or permission of instructor	ENGR 150 (C- or higher) and MATH 152; or permission of instructor
49	CE 375	Hydraulic Engineering	MATH 221 and ENGR 254	MATH 221 (C- or higher), ME 354 (C- or higher)
50	CE 397	Structural Analysis	MATH 221 and ENGR 257	MATH 221 (C- or higher), ENGR 257 (C- or higher)
51	CE 451	Soil Mechanics & Foundations	ENGR 257 and ME 354	ENGR 257 (C- or higher), ME 354 (C- or higher)
52	CE 470	Structural Steel Design	CE 397	CE 397 (C- or higher)
53	CE 472	Timber Structures	CE 397	CE 397 (C- or higher)
54	CE 475	Hydrology & Storm Drainage	ME 354 and CE 375	ME 354 (C- or higher), CE 375 (C- or higher)
55	CE 476	Environmental Engineering	CHEM 161 and 162, and MATH 221 and CE 375	CHEM 161 and 162, and MATH 221 (C- or higher) and CE 375 (C- or higher)
56	CE 497	CE Professional Practice & Senior Project Research	CE 353, CE 375, CE 397, and CE senior standing	CE 253, CE 375 (C- or higher), CE 397 (C- or higher) , and CE senior standing
57	ME 216	Manufacturing Engineering Processes	ENGR 150	ENGR 150 (C- or higher)
58	ME 258	Engineering Thermodynamics	CHEM 161, 162; PHYS 125	CHEM 161, 162; PHYS 125 (C- or higher)
59	ME 352	Modeling of Dynamics Systems	*ENGR 252, MATH 355*	ENGR 252 (C- or higher), MATH 355
60	ME 354	Fluid Mechanics	ENGR 251 and ME 258 and MATH 355	ENGR 251 (C- or higher), ME 258 (C- or higher), and MATH 355
61	ME 367	Machine Design	ENGR 252, ME 257	ENGR 252 (C- or higher), ENGR 257 (C- or higher)
62	ME 370	Instrumentation	ENGR 257, ME 354	ENGR 257 (C- or higher), ME 354 (C- or higher)
63	ME 452	*Mechanical Vibrations*	*ENGR 252 and MATH 355*	ENGR 252 (C- or higher), MATH 355
64	ME 454	Heat Transfer	MATH 355 and ME 354	MATH 355, ME 354 (C- or higher)
65	ME 459	Energy Conversion Systems	ME 354	ME 354 (C- or higher)
66	ME 480	Propulsion Systems	ME 354	ME 354 (C- or higher)
67	ME 483	Aerodynamics	MATH 222, ME 354	MATH 222, ME 354 (C- or higher)
68	ME 485	Introduction to Combustion	ME 354, MATH 222	ME 354 (C- or higher), MATH 222
69	ME 486	Aerospace Structures & Materials	MATH 222, MATH 226 and ENGR 257	MATH 222, MATH 226, and ENGR 257 (C- or higher)
70	ME 497	Senior Project I: Project Research	ME 354 and ME 367	ME 354 (C- or higher), ME 367 (C- or higher)
		Other Errors Being Corrected	Other Errors Being Corrected	
71	CE 357	Advanced Surveying	MATH 152 and CE 353	MATH 152, CE 253
72	CE 454	Introduction to Transportation Engineering	MATH 221 and CE 353	MATH 226, CE 253
73	CE 458	GPE Mapping for GIS	CE 353 or GEOG 378	CE 253 or GEOG 378
74	CE 471	Reinforced Concrete Design	none	CE 397