

[GS] Approved.

A. Proposed course and program changes

Accounting						
3	Course Revision	AC	420	Managerial Analysis & Cost Control	[BUS] [SEST]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/AC-Accounting/400/AC-420 Change prerequisites to: STAT 201 and AC 301 (both with a grade of C- or higher). [If a student took AC 301 and STAT 201 concurrently, and earned a C- or better in AC 301 but not STAT 201, adding STAT 201 with a C- or better as a prerequisite for AC 420 prevents students from taking AC 420 without having first retaken STAT 201 and earned a C- or better.]						
Business						
4	Course Revision	BUS	580	Applied Business Research	[BUS] [GS]	2015-02-27 14:31:29
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/BUS-Business/500/BUS-580 Change description to: Requires students to use business knowledge and leadership skills to tackle an important challenge facing a company or organization. Students should form teams of 3-4 and identify a company and faculty advisor(s). With faculty advisor(s) permission, students may work individually.						
Computer Electronics & Graphics Technology						
5	Course Addition	CET	270	Electronic Circuits and Devices for Robotics	[SEST]	2015-02-24 11:19:08
Computer Science						
6	Program Revision	Major in Computer Science, B.S. (Honors) (Non-Teaching) (CAC/ABET-accredited)			[SEST]	2015-03-02
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/Undergraduate-Majors/Computer-Science-B-S-Honors-Non-Teaching-CAC-ABET-accredited-45-credits Revise program description: Under "Science – A choice of one of the following sequences. amend						

references to ESCI 121 and ESCI 122 to the following:

ESCI 121 The Dynamic Earth 3 and ESCI 125 The Dynamic Earth Laboratory 1

ESCI 141 Earth and Life History 3 and ESCI 145 Earth and Life History Laboratory 1

Counselor Education & Family Therapy						
7	Course Addition	CNSL	565	Foundations of Gerontology Counseling	[CLASS] [SEPS] [GS]	2015-02-23 15:38:12
8	Course Addition	CNSL	566	Community Resources, Systems, and Challenges in Counseling the Older Adult	[CLASS] [SEPS] [GS]	2015-02-23 15:48:16
9	Program Revision	Advanced Official Certificate Program in Professional Counseling			[CLASS] [SEPS] [GS]	2015-02-27
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/Advanced-Official-Certificate-Programs/Advanced-Official-Certificate-Program-in-Professional-Counseling Revise program description to: The Advanced Official Certificate Program (OCP) in Professional Counseling is designed for practicing counselors who already hold a master's degree in counseling or psychology and are preparing for state licensure as a Professional Counselor through the State of Connecticut Department of Public Health or national Certification as a Rehabilitation Counselor (CRC). In addition, the OCP offers an 18-credit Gerontology Counseling specialization track for practicing counselors. A certificate in advanced graduate work in Professional Counseling is issued upon completion of a combination of up to 18 credits of selected 500-level courses, with a grade of B or better, designed for the certificate program. Revise credits from "12" to "Up to 18" [as amended in Graduate Studies Curriculum].						
12	Course Revision	JRN	370	Today's News in Context	[CLASS] [GE] [IEC]	2015-02-05 15:31:56
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/JRN-Journalism/300/JRN-370 Change title to: Global News in Context Change prerequisites to: JRN 200 Change description to: Examines international journalism and current events. Students will study the forces underlying issues such as the global economy, war and peace, politics, the environment and coverage in global news media. Change cycling to: Fall General Education: add [I] designation						
Management & Organization						

13	Course Revision	MGT	431	Compensation and Benefits	[BUS]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/MGT-Management/400/MGT-431 Change prerequisites to: STAT 201 (with a grade of C- or higher); pre-approved minor.						
14	Course Revision	MGT	448	Managing Strategy and Operations	[BUS]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/MGT-Management/400/MGT-448 Change prerequisites to: Grades of at least C- in FIN 295, MGT 295, STAT 201, and the eight pre-major courses; junior standing; and meeting upper-division Business School GPA requirements.						
15	Course Revision	MGT	460	Staffing	[BUS]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/MGT-Management/400/MGT-460 Change prerequisites to: STAT 201 and MGT 305 (both with a grade of C- or higher); junior standing; and (1) grades of at least C- in the eight pre-major courses and meeting upper-division Business School GPA requirements, or (2) pre-approved minor;.						
16	Course Revision	MGT	480	Strategic Management	[BUS]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/MGT-Management/400/MGT-480 Change prerequisites to: Grades of at least C- in FIN 295, LAW 250, MIS 201, MGT 295, MKT 295, STAT 201 and the eight pre-major courses; acceptance into upper-division of School of Business; meeting upper-division Business School GPA requirements; and senior standing. [MC 207 is removed from the list because it is now one of the eight pre-major courses.]						
17	Course Revision	ENT	305	Financing Entrepreneurial Ventures	[BUS]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/ENT-Entrepreneurship/300/ENT-305 Change prerequisites to: STAT 201 and ENT 301 (both with a grade of at least C-) ; and (1) grades of at least C- in the eight pre-major courses and meeting upper-division Business School GPA requirements, or (2) pre-approved minor.						
Modern Languages						
18	Course Addition	ARAB	111	Elementary Arabic I	[CLASS] [GE]	2014-10-16 11:34:27
19	Course Addition	ARAB	112	Elementary Arabic II	[CLASS] [GE]	2014-10-16 11:36:22

ITEMS REMOVED FROM CONSENT AGENDA

II. New Business

A. Proposed course and program changes

Finance						
10	Course Revision	FIN	310	Principles of Investments	[BUS]	2015-03-03
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/FIN-Finance/300/FIN-310 Change prerequisites to: STAT 201 (may be taken concurrently with FIN 310) and FIN 295 (both with a grade of C- or higher). [BUS] The Business Subcommittee minutes do not indicate any action on this agenda item. Either no action was taken, or it was not recorded. The above change to prerequisites is suggested based upon the proposal.						
Journalism						
11	Course Revision	JRN	237	Introduction to the Profession	[CLASS]	2015-02-05 15:18:15
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/JRN-Journalism/200/JRN-237 Change prerequisites to: Majors only. First semester at CCSU as a declared Journalism major. (Note: After Spring 2016, students declaring the major later or transferring will be given other one-credit options.) [The rationale for the parenthetical caveat under prerequisites needs clarification.]						
Physical Education & Human Performance						
20	Course Addition	EXS	109	Intro to Human Performance	[SEPS]	2015-03-04 14:55:38
21	Course Revision	EXS	112	Introduction to Athletic Training	[SEPS]	2015-03-04 15:14:26
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/100/EXS-112 Change title to: Foundations of Athletic Training Add prerequisites: EXS 109 or permission of department chair. Declared major in Pre-Athletic Training. Change credits to: 3 Change cycling: delete Fall						
22	Course Revision	EXS	113	Introduction to Exercise	[SEPS]	2015-03-04 15:04:55

				Science		
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/100/EXS-113						
<p>Change title to: Foundations of Exercise Science</p> <p>Add prerequisites: EXS 109 or permission of department chair. Declared major in Pre-Exercise Science.</p> <p>Change description: Delete "Open to exercise science majors only."</p> <p>Change cycling: delete Fall</p>						
23	Course Revision	EXS	280	Leadership in Exercise & Wellness	[SEPS]	2015-03-04 15:25:43
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/200/EXS-280						
<p>Change prerequisites to: Declared major in Pre-Exercise Science or Exercise Science.</p> <p>Change description: Delete "Open to exercise science majors only."</p>						
24	Course Revision	EXS	307	Human Nutrition	[SEPS]	2015-03-04 15:45:21
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/300/EXS-307						
<p>Change prerequisites to: CHEM 161 (C- or higher). Declared major in Exercise Science or Athletic Training.</p> <p>Change description: Delete "Open to physical education, exercise science, and athletic training majors only."</p>						
25	Course Revision	EXS	311	Stress Management	[SEPS]	2015-03-04 15:23:41
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/300/EXS-311						
<p>Change title to: Stress Management and Behavioral Strategies</p> <p>Change prerequisites to: PSY 112. Declared major in Pre-Exercise Science or Exercise Science.</p>						
26	Course Revision	EXS	331	Measurement and Evaluation in Exercise Science	[SEPS]	2015-03-04 15:20:32
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/300/EXS-331						
<p>Change course number to: EXS 411</p> <p>Change title to: Research Methods in Exercise Science</p> <p>Change prerequisites to: STAT 104, STAT 200, or STAT 215; admission to Professional Program in</p>						

Exercise Science or Athletic Training.

Change description to: Emphasis on scientific research progress, including choosing tests, calibrating equipment, testing administration, calculating statistics, evaluating results and presenting research studies.

Change cycling: delete Spring

27	Course Revision	EXS	376	Theories of Strength Training and Conditioning	[SEPS]	2015-03-04 16:19:37
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<http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/300/EXS-376>

Change prerequisites to: EXS 208 and EXS 275. Declared major in Exercise Science.

Change description: Delete “Open to exercise science majors only or by permission of instructor.”

Change credits to: 3

Change cycling: delete Spring

28	Course Revision	EXS	409	Clinical Exercise Physiology	[SEPS]	2015-03-04 16:22:02
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<http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/400/EXS-409>

Change prerequisites to: EXS 408 (C or higher) and admission to the Professional Program in Exercise Science.

Change cycling: delete Fall

29	Course Revision	EXS	410	Exercise Physiology	[SEPS] [GS]	2015-03-04 15:52:35
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<http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/400/EXS-410>

Change prerequisites to: EXS 208 or EXS 214 (in either case, with a grade C- or higher); admission to the Professional Program in Physical Education or to the M.S. Physical Education.

Change description: Delete “Open to physical education majors only.”

30	Course Revision	EXS	413	Organization and Administration of Athletic Training	[SEPS]	2015-03-04 15:42:58
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<http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/All-Courses/EXS-Exercise-Science/400/EXS-413>

Change prerequisites to: Admission to the Professional Program in Athletic Training.

31	Course Revision	EXS	425	Implementation and Evaluation of Health Promotion	[SEPS] [GS]	2015-03-04 15:40:30
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EXS 212	Anatomy and Physiology in Exercise Science II Laboratory	1
EXS 215	Physiological Aspects of the Human Performance of the Aging	3
EXS 216	Kinesiology	3
EXS 217	Care and Treatment of Athletic Injuries	3
EXS 307	Human Nutrition	3
EXS 311	Stress Management and Behavioral Strategies	3
EXS 325	Organization and Management in Exercise Science	3
EXS 376	Theories of Strength Training and Conditioning	2
EXS 408*	Physiology of Sport and Exercise	3
EXS 409*	Clinical Exercise Physiology	3
EXS 411*	Research Methods in Exercise Science	3
EXS 415*	Fitness Assessment and Exercise Prescription	3
EXS 416*	Graded Exercise Testing	3
EXS 421*	Pharmacology in Sports Medicine	3
EXS 450*	Practicum in Exercise Science	3
EXS 470*	Internship in Exercise Science	6

*Require admission to the professional program prior to enrollment

Skill Courses (6 credits):

EXS 275	Training for Sport Performance	3
EXS 280	Leadership in Exercise & Wellness	3

Related Requirements:

BIO 111 or BIO 121 or BMS 102 or BMS 111; CHEM 161; ENG 105 and 105P, or ENG 110; any HIST; STAT 104 or STAT 200 or STAT 215; PHYS 111 or PHYS 121; PSY 112 and PSY 236; and COMM 140.

Note: No minor is required with this major.

Applying for Admission into the Exercise Science Program:

Undergraduate applicants seeking admission to the exercise science program are required to submit a file of materials for review by the Department of Physical Education and Human Performance. The applicant's completed file should be submitted prior to September 10 for fall candidates and February 10 (second semester sophomore year) for spring candidates. Applications for admission may be obtained in the Department of Physical Education and Human Performance, Kaiser Hall, Room 0180.

Requirements for Admission:

The following are departmental requirements for admission to the exercise science program:

- Completion of application to the professional program for exercise science;
- Completion of 45 credits of academic work;
- Successful completion of EXS 207 or 208 or equivalent and EXS 113 or equivalent. Courses must be completed before full admission will be granted.
- Successful completion of 3 credits of required skills courses including EXS 275 or equivalent or EXS 280 or equivalent. Courses must be completed before full admission will be granted.
- University GPA of 2.50;
- Departmental GPA of 2.70;
- Two letters of recommendation (from persons who can best assess the candidate's potential);
- The presentation of an essay demonstrating command of the English language, setting out the reasons for wanting to enroll in the program; and emphasizing experiences related to exercise science (500-700 words); and
- An interview with the personnel committee of the Department of Physical Education and Human Performance, including at least one exercise science faculty member.

Retention Policy:

Once admitted to the professional program, the following requirements must be maintained in order to remain in "good standing" within the exercise science and health promotion program:

- Students must maintain a University GPA of 2.50;
- Students must maintain a departmental GPA of 2.70; and
- A letter grade of C or higher is required in all professional program courses.

Note: Internship assignments require the student to be in good standing by having a University GPA of 2.50 and a major GPA of 2.70.

If a candidate drops below the required GPA levels, and/or fails to get a C or higher in any professional program course, he or she may be denied admission to the professional program courses, practicum courses, and internship assignments until the GPA or grade reaches the appropriate level.

Note: Revisions to the exercise science education program may occur in order to maintain compliance with national accreditation standards. Students should check with the program director and/or the CCSU exercise science website regarding the possibility of new requirements. All practicum courses and internship assignments require the student to be in "good standing."

Total Credit Hours: 68

[not 67 as it says at top of revised program description?]

[CLASS] Deferred to main meeting.

[SEST] Deferred to main meeting.

[SEPS] Approved, with amendments to language for individual courses.				
34	Program Revision	Major in Athletic Training, B.S. (not certifiable for teaching)	[CLASS] [SEPS] [SEST]	2015-03-04
Change program description to:				
Major in Athletic Training, B.S.				
74 credits as follows:				
Lecture Courses (59 credits):				
EXS 109	Introduction to Human Performance			3
EXS 112	Foundations of Athletic Training			2
EXS 207	Anatomy and Physiology in Exercise Science I			3
EXS 211	Anatomy and Physiology in Exercise Science I Lab			1
EXS 208	Anatomy and Physiology in Exercise Science II			3
EXS 212	Anatomy and Physiology in Exercise Science II Lab			1
EXS 216	Kinesiology			3
EXS 217	Care and Treatment of Athletic Injuries			3
EXS 218	Scientific Basis for Athletic Training			4
EXS 240	Therapeutic Modalities in Athletic Training			4
EXS 307	Human Nutrition			3
EXS 317	Therapeutics in Athletic Training			4
EXS 332	Psychological Aspects of Sport			3
EXS 408*	Physiology of Sport and Exercise			3
EXS 409	Clinical Exercise Physiology			3
EXS 411*	Research Methods in Exercise Science			3
EXS 413*	Organization and Administration of Athletic Training			3
EXS 421*	Pharmacology in Sports Medicine			3
BMS 380*	Emergency Medical Technician (EMT)			6
*Require admission to the professional program prior to enrollment				
Practicum Courses (15 credits):				
EXS 275	Training for Sport Performance			3

EXS 315*	Practicum in Athletic Training I	2
EXS 316*	Practicum in Athletic Training II	2
EXS 319*	Practicum in Athletic Training III	2
EXS 445*	Internship in Athletic Training	6

*Require admission to the professional program prior to enrollment

Related Requirements:

BIO 111 or BIO 121 or BMS 102 or BMS 111, CHEM 161, and PHYS 111 (all with C- or better); ENG 105 and 105P, or ENG 110; any HIST; COMM 140, PSY 236, and STAT 104 or STAT 200 or STAT 215.

No minor is required for this major.

Clinical Experience

All students in the athletic training education program are required to complete four semesters of clinical experience in CCSU's athletic training facility, one pre-season experience at CCSU that typically runs from early August to the first day of classes, and a fifth semester in an off-campus affiliation. The BOC and CAATE require a minimum of two years (four semesters) of clinical rotation, which will be under the direct supervision of a certified athletic trainer. Emphasis is placed on mastery of the educational competencies over the five semesters of clinical experience.

Applying for Admission into the Athletic Training Education Program

Undergraduate applicants seeking admission to the athletic training education program are required to submit a file of materials for review by the Department of Physical Education and Human Performance. The applicant's completed file should be submitted prior to September 10 for fall candidates and February 10 (second semester sophomore year) for spring candidates. Applications for admission may be obtained in the Department of Physical Education and Human Performance, Kaiser Hall, Room 0180.

Requirements for Admission

The following are departmental requirements for admission to the athletic training education program. Acceptance into the professional program should be completed by the second semester sophomore year. Students not meeting this deadline must meet with the program director to continue in the professional program.

- Completion of application to the professional program for athletic training;
- Successful completion of 200 observation hours in the clinical aspect of athletic training at CCSU;
- Completion of 45 credits of academic work at CCSU as an athletic training major;
- Successful completion of EXS 112, EXS 213, and EXS 217 (at CCSU), with a grade of C- or better in all courses;
- Successful completion of BMS 380, or EMT-B certification;
- University GPA of 2.50;
- Departmental GPA of 2.50;
- Two letters of recommendation (from persons who can best assess the candidate's potential);

- The presentation of an essay demonstrating command of the English language, citing reasons for wanting to enroll in the program, and emphasizing experiences related to athletic training (500-750 words); and
- An interview with the personnel committee of the Department of Physical Education and Human Performance, including at least one clinical supervisor.

Technical Standards for Admission

The technical standards set forth by the athletic training educational program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency, the Commission on Accreditation of Athletic Training Education (CAATE). All students admitted to the professional program in athletic training must meet the expectations and display the abilities outlined below. In the event a student is unable to fulfill these technical standards, the student will not be admitted into the program. Further, compliance with the program's technical standards does not guarantee a student's eligibility for the BOC certification exam.

Candidates for admission to the professional program in athletic training at CCSU must show:

- Demonstrated ability to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments, and to be able to distinguish deviations from the norm;
- Evidence of sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and the demonstrated ability to accurately, safely, and efficiently use equipment and materials during the assessment and treatment of patients;
- Demonstrated ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, ability to maintain a professional demeanor, establish rapport with patients, and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- Demonstrated ability to record the physical examination results and a treatment plan clearly and accurately;
- Demonstrated ability to maintain composure and continue to function effectively during periods of high stress;
- Perseverance, diligence, and commitment to complete the athletic training education program as outlined and sequenced;
- Demonstration of flexibility and ability to adjust to changing situations and uncertainty in clinical situations; and
- Demonstrated ability to perform the affective skills that relate to professional education and quality patient care.

Candidates for admission to the professional program in athletic training will be required to verify they understand and meet these technical standards or that they believe that, with certain accommodations, they can meet the standards.

A student who believes that they have a disability that may impact admission to or successful completion of this program should contact the Student Disability Services in Copernicus, Room 241, 860-832-1900, TTY 860-832-1954. Student Disability Services will evaluate the student's documentation to determine if the stated condition qualifies as a disability under applicable laws and

so notify the program director of the athletic training education program and the chair of the Department of Physical Education and Human Performance.

If a student with a qualified disability states he/she can meet the technical standards with accommodation, then the student and appropriate University personnel will discuss what accommodation(s) may be effective and whether the accommodations requested are reasonable, taking into account clinician/patient safety, and whether the requested accommodations would fundamentally alter the nature of the program, including academic standards.

Retention Policy

Once admitted to the professional program, the following requirements must be maintained in order to remain in "good standing" within the athletic training education program.

- Students must receive a letter grade of C or higher in all professional program courses;
- Students must maintain a University GPA of 2.50;
- Students must maintain a departmental GPA of 2.50;
- Students must successfully demonstrate required clinical skill competencies; and
- Students must have a current state of Connecticut or National Registry EMT-B Certification.

If a candidate drops below the required GPA levels and/or fails to complete the clinical skill competencies, he or she may be denied enrollment to professional program courses, practicum courses, and internship assignments until the GPA or competencies reach the appropriate level.

Transfer Students Policy

Transfer students must meet the same course requirements and application procedures as CCSU students. Transfer students are required to complete a minimum of 15 credits "in residence" at CCSU prior to applying to the professional program. The 15 credits for transfer students may be in general education and/or within the athletic training education program and must include, at CCSU, EXS 112: Introduction to Athletic Training, and EXS 217: Care and Treatment of Athletic Injuries.

Currently, all requests for transfer into the athletic training education program, either by students from other universities or by CCSU students looking to change majors, are handled on a case-by-case basis. The number of students accepted in this manner depends on the number of openings available in a given year.

For acceptance into the athletic training education program, transfer students must complete a required (minimum) 200 clinical hours.

Note: Revisions to the athletic training education program may occur in order to maintain compliance with national accreditation standards. Students should check with the program director and/or the CCSU athletic training education website regarding the possibility of new requirements. All practicum courses and internship assignments require the student to be in "good standing" in addition to having a current state of Connecticut or National Registry EMT-B Certification.

Total credit hours: 74

[CLASS] Deferred to main meeting.

[SEST] Deferred to main meeting.

[SEPS] Approved, with amendments to language for individual courses.

**Physics and
Engineering**

Physics				
35	Program Revision	Major in Physics, B.S.	[SEST] [BUS]	2015-02-25
http://ccsu.smartcatalogiq.com/en/current/Undergraduate-Graduate-Catalog/Undergraduate-Majors/Physics-B-S-Non-teaching-39-credits				
[Adds the option of a concentration to the non-teaching degree in Physics.]				
Program Revision				
Current Title: Major in Physics, B.S. (non-teaching)				
Proposed Title: Major in Physics, B.S. (non-teaching, with optional concentrations in Biology, Biomolecular Science or Finance)				
Required Courses (37 credits)				
PHYS 125 University Physics I			4	
PHYS 126 University Physics II			4	
PHYS 220 Mechanics I			3	
PHYS 250 Intermediate Lab I			1	
PHYS 305 Foundations of Electricity and Magnetism			3	
PHYS 320 Heat and Thermodynamics			3	
PHYS 325 Optics			4	
PHYS 331 Electronics I			3	
PHYS 350 Intermediate Lab II			1	
PHYS 425 Modern Physics			3	
PHYS 450 Advanced Laboratory Techniques			1	
PHYS 460 Seminar in Physics			1	
PHYS 470 Quantum Mechanics			3	
PHYS 471 Quantum Mechanics II			3	
Additional requirements (20 credits)				
CHEM 161 General Chemistry			3	
CHEM 162 General Chemistry Laboratory			1	
CHEM 260* Foundations of Inorganic Chemistry			3	
CHEM 201* Foundations of Analytical Chemistry Laboratory			1	
MATH 152 Calculus I			4	
MATH 221 Calculus II			4	

* For all students EXCEPT those selecting Option 4, the B.S. Physics with a Concentration in Finance

Option 1: B.S. in Physics (120+ credits?)

For the B.S. in Physics without any selected concentration, completion of a minor is required.

Option 2: B.S. in Physics with Concentration in Biology (118 credits?)

Students must take the following additional courses:

Chemistry (11 credits)

CHEM 210 Foundations of Organic Chemistry 3

CHEM 211 Foundations of Organic Chemistry Laboratory 1

CHEM 212 Organic Synthesis 3

CHEM 213 Organic Synthesis Laboratory 1

CHEM 316 Spectrometric Identification of Organic Compounds

OR

CHEM 354 Foundations of Biochemistry 3

Biology (22 BIO/BMS credits)

BIO 121 General Biology I 4

BIO 122 General Biology II 4

BIO 200 Integrative Biology 4

BIO 331 Neurobiology 4

6 credits of BIO or BMS electives at the 200-level or above 6

A minor is not required.

Option 3: B.S. in Physics with Concentration in Biomolecular Sciences (117 credits?)

Students must take the following additional courses:

Chemistry (11 credits)

CHEM 210 Foundations of Organic Chemistry 3

CHEM 211 Foundations of Organic Chemistry Laboratory 1

CHEM 212 Organic Synthesis 3

CHEM 213 Organic Synthesis Laboratory 1

CHEM 316 Spectrometric Identification of Organic Compounds

OR

CHEM 354 Foundations of Biochemistry 3

Biomolecular Science (20.5 BMS/BIO credits)

BMS 102 Introduction to Biomolecular Science 3

BMS 103 Introduction to Biomolecular Science Laboratory 1

BMS 190 Introduction to Research I .5

BMS 201 Principles of Cell and Molecular Biology 4

BMS 311 Cell Biology 4

BMS 307 Genomics 4

4 credits of BMS or BIO electives at the 200-level or above 4

A minor is not required.

Option 4: B.S. in Physics with Concentration in Finance (124 credits?)

Students selecting this concentration are not required to take CHEM 260 and CHEM 201.

Students must take the following additional courses:

Finance (27 credits)

FIN 295 Managerial Finance 3

FIN 301 Intermediate Managerial Finance 3

FIN 310 Principles of Investments 3

FIN 320 Financial Markets and Institutions 3

FIN 410 Securities Analysis 3

FIN 411 Financial Statement Analysis 3

9 credits of FIN electives 9

Ancillary requirements (12 credits)

ACC 211 Introduction to Financial Accounting 3

ECON 200 Principles of Macroeconomics 3

ECON 201 Principles of Microeconomics 3

ECON 310 Mathematical Economics I 3

Mathematics (8 credits)

MATH 226 Linear Algebra and Probability for Engineers

OR						
MATH 228 Introduction to Linear Algebra				4		
MATH 355 Introduction to Differential Equations with Applications				4		
A minor is not required.						
Proposed credits: 39 [??]						
[BUS] Approved, pending signatures from chairs of Accounting and Economics.						
[SEST] Approved, upon verification that credit numbers for each concentration are within guidelines.						
School of Engineering, Science, & Technology						
36	Course Addition	SEST	481	MCAT Review	[SEST]	2015-02-18 14:00:32
[SEST] Approved, with prerequisites amended to: CHEM 200 or 260, CHEM 201, CHEM 212, CHEM 213; BIO 121, BIO 122 or BMS 102, BMS 103, BMS 201; PHYS 121, PHYS 122 or PHYS 125, PHYS 126.						
[List of prerequisites is confusing. Suggest: CHEM 200 or 260, CHEM 201, CHEM 212, CHEM 213; BIO 121 and BIO 122, or BMS 102 and BMS 103; BMS 201; PHYS 121 and PHYS 122, or PHYS 125 and PHYS 126.]						
General Education						
36	Periodic review of General Education Objectives.					
The subcommittee approved the current list in substance and principle. Members were requested to bring to the main meeting their suggestions for editorial changes to the specific language of the objectives, but at the request of some members who desired more time to confer with their departments, the deadline for completion of the review was set as the end of the academic year.						
37	Two proposals from Don Adams, Dept. of Philosophy, presented last month to the General Education Subcommittee: 1) Proposal to add a Mission Statement and Revised Learning Outcomes to CCSU's General Education Program; Alignment of CCSU's General Education Program with the TAP and with NEASC Standard 4; 2) Proposal to poll the faculty regarding the revision of General Education; draft of poll on General Education. [GE] [Main]					
[GE] The mission statement was approved as amended below. No revision of the learning objectives (as per this proposal) was undertaken. The proposal for a poll was withdrawn, or postponed.						

The mission of General Education is to ensure that all students are well and broadly educated in what are traditionally referred to as the arts and humanities, the sciences including mathematics, and the social sciences. The primary value of supplementing a professional education with an education in the traditional liberal arts & sciences lies in the preservation and advancement of human understanding and in fostering achievement in the arts. In addition to pursuing knowledge for the sake of knowledge and art for the sake of art, basic research that is freed from the necessity of serving particular vocational objectives has

historically led to innovations that have had a significant impact on humanity, both in economic and civic terms. Economically, not only does basic research have the potential to revolutionize industries, but on a very practical level, the skills and habits of thought developed in studying the traditional liberal arts & sciences are highly prized by many employers. Politically, such studies cultivate the freedom to question conventional wisdom and narrow ideologies, and this freedom of thought lies at the very foundation of a free society.