PASSED BY FACULTY SENATE 3/12/01.

TO: Felton Best, President, Faculty Senate

FROM: Paul Petterson, Chair, University Curriculum Committee

SUBJ: Curriculum Report

The Curriculum Committee submits the following Report to the Faculty Senate for consideration at its March 12, 2001 meeting.

I. **Department of Special Education**

a. Add **SPED 595, Topics In Special Education;**
Prereq.: Graduate matriculation and permission of instructor. Seminar addressing a specific area of special education with emphasis on current trends in the field. May be repeated with different topics for a maximum of 6 credits. One to three credits. Irregular. [G].

II. **Department of Philosophy**

a. Add **PHIL 121, Introduction to Philosophy Through Literature**; Introduction to philosophical inquiry pursued through literary works. Topics covered include the nature of literary understanding, its relation to philosophical inquiry, and the meaning and grounds of philosophical ideas about the identity and interpretations of a work of literature. Three credits. Fall, Spring. Study Area I.

III. **Department of Finance**

a. Revise **LAW 250**, **Principles of Law**, to; Introduction to the legal environment of organizations, including principles that affect management, marketing, accounting, finance and technology. Included is a review of social responsibility of business, international legal environment, administrative law, torts, contracts, agency, business organizations, and intellectual property. Three credits. Fall, Spring, Summer.

IV. **Department of Marketing/Hospitality**

a. Add **MKT 359**, **Special Events Marketing**; Prereq.: MKT 295. Prepares current and future managers to deal with business special events and meetings. Provides students with basic concepts common to all special events, as well as ideas and techniques concerning unique situations. Three credits. Spring.

V. **Department of Biological Sciences**

a. Add **BIO 311, Cell Biology**; Prereq.: BIO 201 or permission of the department chair, and CHEM 121. Cellular structure and function in terms of chemical composition, physiochemical, and functional organization of cells and organelles, including basic cellular metabolism. Membrane transport phenomena, excitation, contraction, trafficking, cell interactions, and other specialized cellular functions. Three hours of lecture and one

three-hour laboratory per week. No credit given to students with previous credit for BIO 411. Four credits. Irregular. [c]

b. Delete **BIO 411, Cell Physiology and Metabolism** .

c. Revise **BIO 496**, **Capstone in Biosynthesis, Bioenergetics and Metabolic Regulation**, to; revise prerequisite to: BIO 202, and BIO 306, 311 or 316; and CHEM 312; or permission of department chair.

d. Revise **BIO 506, Biosynthesis, Bioenergetics and Metabolic Regulation**, to; revise prerequisite to: BIO 306, 311, or 316; and CHEM 312; or permission of department chair.

e. Revise **BIO 495, Capstone in Molecular Biology**, to; revise prerequisite to: BIO 202 and 306 or permission of the department chair.

f. Revise **M.A. in Biological Sciences, Cell and Molecular Biology**, to; In list of appropriate courses for BIO electives in Biology Component, delete BIO 411, 490 and 495; and add BIO 497, 505, and 506. .

g. Revise **M.S. in Biological Sciences: Anesthesia**, to; In Capstone Component, Plan B, replace BIO 490 with BIO 590.

h. Revise **M.S. in Biological Sciences, Health Sciences Specialization**, to; In Major Field Requirements, add BIO 506 to choice between CHEM 454 and CHEM 550; in Biology Elective choices, add BIO 497, 505, 590.

VI. Department of English

a. Revise **ENG 373, Creative Writing: Poetry I**, to; Prereq.: ENG 260 or permission of instructor. Introduction to the art and craft of writing poetry, emphasizing both poetry writing ability and critical reading. Students are expected to fully participate in the workshop method of critique and revision in class. Three credits. Irregular.

b. Add **ENG 485, Advanced Poetry Workshop**; Prereq.: ENG 374 or permission of instructor. Presupposes mastery of the vocabulary and basic techniques of writing poetry, and the workshop method. Students are expected to have a considerable body of work, and generate new work. Addresses creative process, preparing poetry manuscripts, publishing, and academic and career options in creative writing. Three credits. Irregular.

c. Add **ENG 484, Advanced Fiction Workshop**; Prereq.: ENG 372 or permission of instructor. Presupposes mastery of the vocabulary and basic techniques of writing literary fiction and the workshop method. Students are expected to have a considerable body of work, and generate new work. Addresses creative process, preparation of manuscripts, publishing, and academic and career options. Three credits. Irregular.

d. Add **ENG 370, Creative Writing: Creative Nonfiction**; Prereq.: ENG 202 or permission of instructor. Prose works that combine the authority of literature and fact. Subject matter may be drawn from popular culture, science, technology, nature or personal experience. Students will research or investigate potential topics, participate in workshops, and study various authors. Three credits. Irregular.

e. Add E**NG 375, Creative Writing: Autobiography**; Prereq.: ENG 202 or permission of instructor.Workshop style course in writing about the transformation of one's life experience into literary art. Includes study of autobiography, discussion of readings, topic and development strategy sessions, and critiques of work-in-progress.Three credits. Irregular.

f. Add **ENG 494, Creative Writing: Independent Study**; Prereq.: Permission of department chair. A senior conference course for students wishing to follow a planned program of writing/study. Typically, this course is for students wishing to prepare a publishable manuscript or a portfolio of their work for application to graduate programs in creative writing. Three credits. Irregular.

g. Revise **ENG 374, Creative Writing: Poetry II**, to; Prereq.: ENG 373 or permission of instructor. Presupposes proficiency in vocabulary, poetry writing techniques, and workshop methods. Students must already have a considerable body of work, and generate new work. Three credits. Irregular.

h. Revise **ENG 371, Creative Writing: Fiction I**, to; Prereq.: ENG 261 or permission of instructor. Introduction to the art and craft of literary fiction with emphasis on developing fiction writing ability and critical reading skills. Students will actively participate in workshop sessions. Three credits. Irregular.

i. Revise **ENG 372**, **Creative Writing: Fiction II**, to; Prereq.: ENG 371. Presupposes proficiency in vocabulary, basic techniques, and workshop method of short fiction writing. Students are expected to have already written a considerable body of work, and to be prepared to submit stories at the semester's start. Three credits. Irregular.

j. Revise **ENG 377, Creative Writing: Playwriting**, to; Prereq.: ENG 262 or permission of instructor. Introduction to art and craft of playwriting, emphasizing writing ability and critical reading skills. Students are expected to actively participate in workshop sessions.Three credits. Irregular.

k. Revise **ENG 376, Creative Writing: Essay**, to; Prereq.: ENG 202 or permission of instructor.

l. Revise **ENG 382, Travel Writing,** to; Prereq.: ENG 235 or 236 (or 202 for Creative Writing Minor) or permission of instructor.

m. Revise **ENG 378, Creative Writing: Special Topics**, to; Prereq.: One 300 level creative writing course or permission of instructor.

n. Add **Minor in Creative Writing**:

Minor in Creative Writing, B.A. or B.S. 18 credits as follows: Prereq.: ENG 260 or 261 or 202 (students need not take more than one genre course from 260,261,202 to meet the prerequisite requirement). 9 credits in a single sequence: ENG 373, 374, 485 (poetry); 371, 372, 484 (fiction); 370, 375, 376, 382 (nonfiction); 6 credits elected from: ENG 371, 372, 373, 374, 375, 376, 377, 378, 382, 494 (one course is required in a genre other than the selected sequence). No repetition of courses allowed. Consultation with a Creative Writing faculty member is required for the program and selection of all courses..

VII. **Department of History**

a. Revise **HIST 335, Women, Marriage and Family in Early Modern Europe**, to; add "I" designation.

b. Revise **HIST 341, English History to 1715**, to; add "I" designation.

c. Revise **HIST 377, History of Christianity I**, to; add "I" designation.

d. Revise **HIST 378, History of Christianity II**, to; add "I" designation.

e. Revise **HIST 381, Latin American History** to 1823, to; add "I" designation.

f. Revise **HIST 435, History of Early Medieval Europe**, to; add "I" designation.

g. Revise **HIST 436, History of Later Medieval Europe**, to; add "I" designation.

h. Revise **HIST 473, History of Judaism**, to; add "I" designation.

i. Revise **HIST 474, History of the Arab-Israeli Conflict**, to; add "I" designation.

j. Revise **HIST 479, History of Poland,** to; Prereq.: HIST 301, 310 or permission of instructor.

k. Revise **HIST 480, Modern Poland**, to; Prereq.: HIST 301, 310 or permission of instructor.

l. Revise **HIST 481, The Jews of Poland,** to; Prereq.: HIST 301, 310 or permission of instructor.

m. Revise **HIST 482, The Polish American Immigrant and Ethnic Community**, to; Prereq.: HIST 301, 310 or permission of instructor.

VIII. **Department Of Mathematical Sciences**

a. Revise **M.S. in Mathematics For Certified Secondary School Teachers**, to;

Plans A, B, and C offered as options. No more than 9 credits may be earned in 400-level courses. GENERAL EDUCATION ELECTIVES: 3 or 6 credits as approved by faculty advisor. EDUCATIONAL FOUNDATIONS: 3 credits chosen from EDF 500, 516, 524, 525, 538, or 580. SECONDARY MATHEMATICS EDUCATION(9 credits): MATH 547 plus 6 credits chosen from MATH 504, 534, 540, 543, 544, and 580. MATHEMATICS AND STATISTICS CONTENT COURSES (12 credits): No more than 6 credits in courses with the STAT designation. One course must be STAT 453 unless this course was taken as an undergraduate. Courses to be chosen from MATH 421, 463, 468, 469, 477, 491, 515, 519, 523, 525, 526, STAT 453, 455, 567. RESEARCH IN MATHEMATICS EDUCATION (3 credits): MATH 598. CAPSTONE: Plan A: 33 credits consisting of 30 credits from the above plus MATH 599 (3 credit thesis). Plan B: 33 credits from the above plus the comprehensive examination. Plan C: 33 credits consisting of 30 credits from the above plus MATH 590 (3 credit Special Project). Note: Once a graduate student has elected one of the three plans A, B, or C, any change to one of the other plans must be made prior to

the completion of 21 graduate credits and requires the approval of the student's advisor and the Coordinator Of Graduate Studies.

b. Add **MATH 547, Reflective Practice in Teaching Mathematics**: Helping in-service teachers develop as reflective practitioners through the use of lesson logs, narrative commentary, videotaped lessons. Emphasis on the big ideas of mathematics and assessment. Familiarizes teachers with the BEST portfolio process.Open only to certified in-services teachers of mathematics, grades 7-12. Three credits. Fall. [G]

c. Add **STAT 521, Introduction to Data Mining**: Prereq.: STAT 104 or STAT 200 or STAT 215 or STAT 315 or permission of department chair. Fundamental concepts of data mining. Motivation for and applications of data mining. Survey of techniques and models. Potential pitfalls of machine learning. Introduction to data mining software suite. Three credits. Fall. [G]

d. Add **STAT 522, Data Mining Methods**: Prereq.: STAT 521; STAT 315; STAT 201 or STAT 216 or STAT 416 or STAT 453 or permission of department chair. Intensive investigation of data mining methodologies, including decision trees, classification, association, clustering, attributes, statistical modeling, Bayesian classification, k-nearest neighbors, CART. Extensive use of data mining software. Three credits. Spring. [G]

e. Add **STAT 523, Applied Data Mining:** Prereq.: STAT 522; STAT 416. Applications of data mining using case studies involving large data sets taken from real-life applications. Topics may include statistical model building and deployment, report writing, and graphical presentation. Extensive use of data mining software. Three credits. Fall. [G]

f. Add **STAT 524, Advanced Methods in Data Mining**: Prereq.: STAT 523. Advanced techniques in data mining. Topics may include text mining, text classification, naïve Bayes, EM algorithm, optimization, visualization, genetic algorithms, data augmentation, Markov-chain Monte Carlo. Extensive use of data mining software. Three credits.Spring. [G]

g. Add **STAT 525, Web Mining**: Prereq.: STAT 521; STAT 201 or STAT 216 or STAT 416 or STAT 453 or permission of department chair. Techniques of mining information from the web. Topics may include web basics, HTTP, data sources on the web, personalization, user identification, path analysis, and working with logs, forms and cookies. Use of data mining software. Three credits.Spring. [G]

h. Add **STAT 321, Elementary Data Mining**: Prereq.: STAT 104 or STAT 200 or STAT 215 or STAT 315. Introduction to basic concepts behind data mining. Survey of data mining applications, techniques and models.
Discussion of ethics and privacy issues with respect to invasive use. Introduction to data mining software suite. Three credits. Fall.

i. Add **STAT 322, Data Mining Techniques:** Prereq.: STAT 321; STAT 201 or STAT 216 or STAT 416 or STAT 453. Exploration of data mining methodologies. Topics include decision tables, decision trees, classification rules, association rules, clustering, statistical modeling, and linear models. More extensive use of data mining software. Three credits. Spring.

j. Add **STAT 323, Applications of Data Mining**: Prereq.: STAT 322; MATH 122; MATH

218. Capstone course for Certificate in Data Mining. Case studies using large data sets taken from real-life applications. Discussion of problems encountered with large data sets. Extensive use of data mining software. Three credits. Fall.

k. Add **M.S. in Data Mining:** Admission criteria: Approval of the Department of Mathematical Sciences. 33 Credits. There are three required components. Data Mining Component: STAT 521 Introduction to Data Mining, STAT 522 Data Mining Methods, STAT 523 Applied Data Mining, and STAT 525
Web Mining. Statistics Component: STAT 416 Mathematical Statistics II, and STAT 570 Applied Multivariate Analysis. Computer Science Component: CS 501 Foundations in Computer Science I, CS 570 Topics in Artificial Intelligence: Neural Networks, and CS 580 Topics in Advanced Database: Data Mining.
Restricted electives (two courses), chosen from CS 460 Database Concepts, CS 570 Topics in Artificial Intelligence: Information Retrieval and Visualization, MIS 460 Emerging Technologies in Business: Data Warehousing, STAT 455 Experimental Design, STAT 456 Statistics Laboratory, STAT 524 Advanced Methods in Data Mining, STAT 551 Applied Stochastic Processes, and STAT 567 Linear Models. All courses carry three credits.
Applicants to the Master of Science in Data Mining program are expected to have completed, or be in the process of completing, MATH 221 Calculus II; MATH 218 Discrete Mathematics; STAT 315 Mathematical Statistics I; CS 152 Computer Science II or CS 500 Computer Science for CIT; and a second semester course in undergraduate statistics. These prerequisite courses are regularly offered in the classroom and some may be offered online, for students who are missing one or more of these courses.
Note: New students may take the first course in the program while working on the prerequisites for the more advanced courses. Note: Program will be made available both in the classroom and online. All online students must elect Plan B (Comprehensive Exam) for the Capstone Requirement. No more than 9 credit hours at the 400 level, as approved by the graduate advisor, may be counted toward the graduate planned program of study.

NOTE: THIS PROGRAM WILL UNDERGO EXTERNAL REVIEW.

l. Add **Certificate In Data Mining:** Admission criteria: Approval of the Department of Mathematical Sciences. 12 Credits. Required Courses (12 credits): STAT 321 Elementary Data Mining, STAT 322 Data Mining Techniques, STAT 323 Applications of Data Mining, and CS 290 Topics in Computer Science: Data Mining. Prospective students to the Certificate in Data Mining program are expected to have completed, or be in the process of completing, MATH 122 Calculus I; MATH 218 Discrete Mathematics; CS 151Computer Science I; and either STAT 201 Business Statistics II, STAT 216 Statistics for the Behavioral Sciences II, STAT 416 Mathematical Statistics II, or STAT 453 Applied Statistical Inference. These prerequisite courses will be offered regularly in the classroom, and some may be offered online, for students who are missing one or more of these courses. Note: New students may take the first course in the program while working on the prerequisites for the more advanced courses. Program will be made available both in the classroom and online.

IX. **Department of Psychology**

a. Revise **Major In Psychology, B.A**., to; Delete Clinical category requirement; add PSY

330 to list of required courses.

X. **Department Of Physical Education and Health_Fitness Studies**

a. Revise **Major in Athletic Training**, to;

Admission criteria: Successful completion of 200 hours in the clinical aspect of Athletic Training at CCSU. Completion of 45 semester hours of academic work at CCSU. Successful completion of PE 112, PE 213 and PE 217 at CCSU(C- or better grade in all courses). Sucessful completion of IT 380, Emergency Medical Technician. University (CCSU) Grade Point average of 2.5, overall and in the major. Two letters of recommendation. An essay. An interview with the personnel Committee of the Department of Physical Education and Health Fitness Studies.62 Credits. Courses: (catalog should list course titles) PE 110 Concepts in Physical Education (2), PE 112 Introduction to Athletic Training (2), PE 210 Personal and Community Health (2), PE 213 Anatomy in Physical Education (3), PE 214 Physiology in Physical Education (3), PE 216 Kinesiology (3), PE 217 Care and Treatment of Athletic Injuries (3), PE 218 Scientific Basis of Athletic Training I (3), PE 307 Human Nutrition (3), PE 315 Practicum in Athletic Training I (2), PE 316 Practicum in Athletic Training II (2), PE 319 Practicum in Athletic Training III (2), PE 317 Therapeutics in Athletic Training (3), PE 332 Psychological Aspects of Sport (3), PE 410 Exercise Physiology (3), PE 413 Organization and Administration in Athletic Training (2), PE 421 Pharmacology in Sports Medicine (3), PE 415 Fitness Assessment (3), PE 440 Therapeutic Modalities (4), PE 445 Internship in Athletic Training (6), IT 380 Emergency Medical Technician (3). Skill Courses: PE 375 Training for Fitness (2).

b. Revise **PE 315, Practicum in Athletic Training I,** to; Prereq.: PE 217, Admission to the professional program in athletic training. Students must also have one semester of clinical experience in CCSU's athletic training facility. Sixteen weeks of supervised NATABOC approved athletic training experience hours in CCSU athletic training facility. Experience includes basic first aid, evaluation, taping, wrapping, design and application of protective equipment, preparing teams for competition, and maintaining athletic training room. May include weekends, unusual hours, and holidays. Two credits. Fall, Spring.

c. Revise **PE 316, Practicum in Athletic Training II, to**; Prerequisites: PE 218, PE 315 and admission to the professional program in athletic training. Sixteen weeks of supervised NATABOC approved athletic training experience hours in CCSU's athletic training facility. Includes evaluating athletic injuries, establishing treatment for rehabilitation, and maintaining records. May include weekends, unusual hours, and holidays. Open only to athletic training majors. Two credits. Fall, Spring.

d. Revise **PE 320, Practicum in Athletic Training III, to; PE 319, Practicum In Athletic Training III**. Prerequisites: PE 316, PE 317 and admission to the professional program in athletic training. Sixteen weeks of supervised NATABOC approved athletic training experience hours in CCSU's athletic training facility. Includes pre-season screening and physicals, general medical issues and neurological evaluations, and advanced rehabilitation skills. May include weekends, unusual hours, and holidays. Two credits. Fall, Spring.

e. Add **PE 112, Introduction To Athletic Training:** Introduction to the history, foundation and philosophy of the athletic training profession and its relationship to other allied fields. Designed to acquaint students with academic and clinical

requirements for certification as an entry level athletic trainer. Two credits. Fall.

f. Add **PE 421, Pharmacology in Sports Medicine and Special Populations**. Prereq.: PE 407, 310. Basic principles of pharmacology, pharmokinetics, and commonly prescribed therapeutic medications in athletics and special populations. Introduction to contemporary medications, social drugs and performance enhancers used in sports medicine and exercise management for individuals with chronic diseases and disabilities. Three credits. Spring.

g. Revise **PE 445, Internship in Athletic Training,** to; Prerequisites: PE 319, 440 and admission to the professional program in athletic training. Students must also have State of Connecticut EMT-B Certification. Internship under the direct supervision of a certified athletic trainer. May occur in a sports medicine, public or preparatory school or college/university setting. May
require weekends, unusual hours, and holidays. Six credits. Fall, Spring.

XI. **Department of Engineering Technology**

a. Revise **ET 256, Materials Science**, to; Prereq.: MATH 115 or 119 or 121 and CHEM 111 or 121, or permission of instructor.

b. Revise **ET 260, Computer Aided Design and Integrated Manufacturing CAD/CAM/CIM,** to; Prerequisites: TC 121 or Permission of Instructor. Introduction to solid modeling for design, drawing, assembly, mass property analysis and manufacturing operations on a CAD/CAM/CIM system. Emphasis is on
computer software utilization for designing products.Lecture/Laboratory. Three credits. Fall, Spring, Summer.

c. Revise **B.S. in Engineering Technology (Major In Manufacturing Engineering)**, to; Delete TC 316, IT 360, and IT 464 from Specialization; Add ET 357, IT 290 to Specialization; Increase Directed Technical Electives in Specialization to 4 credits.

XII. **Curriculum Committee Resolution On Designating Courses To Fulfill The Study Area 1 Literature Requirement**.

The following courses are proposed to fulfill the
Study Area 1 requirement for 3 credits in Literature.

ENG 205, 206, 210, 211, 212, 215, 220, 250,
260, 261, 262, 288
FR 302
GER 305, 360
ITAL 304, 305
SPAN 304, 305, 375, 376

These courses should be designated with an "L" so that students, advisors, and graduation evaluators will be aware of which courses do and do not satisfy this requirement.

XIII. **Curriculum Committee Resolution on Re-Entry Students And General Education**

Requirements.

(The following language would replace the current section on page 17 of the Undergraduate Catalog. The second and third paragraphs contain the changes proposed).

Re-Entry Admissions

A student who was formerly matriculated at Central Connecticut State University and subsequently withdrew voluntarily, or at the request of the University, must request reactivation of his or her former file when seeking readmission to the University. A Reactivation Request form may be obtained from the Office of Admissions or the Enrollment Center. The student must be in good academic standing at CCSU, as outlined in this catalog, or the student must have been granted **reinstatement on probation** by the dean of the school the student is attempting to re-enter. **Students on academic dismissal who are seeking reinstatement as a matriculated student should begin the process by meeting with a counselor from the Office of Admissions**. Normally a student must wait at least one semester before being considered for reinstatement.

Students who re-enter to complete a degree after a two-or-more year absence must fulfill the requirements of the General Education program that were in place at the time of their original matriculation unless they file a General Education Program Change Form requesting to follow the requirements for the General Education Program that are in effect on the date of re-entry. On re-entry, all students should consult with an advisor regarding this choice. Advisors, as well as General Education Program Change Forms, are available through the appropriate Dean's Office and the Advising Center.

For requirements concerning a previously-declared major, minor or concentration, a similar choice may be available except for requirements and curriculum changes mandated by outside accrediting and certifying agencies and additional course work required by the department or area offering the major, minor or concentration as evidence of current knowledge of the discipline. Re-entering students should consult with the Department Chair or a designated advisor within their major to discuss such choices and changes.

XIV. **Curriculum Committee Resolution on Major Requirements**

(The language below would be catalog copy to clarify the major requirements that are required of students. The lines in italics are new and added to the paragraph under Requirements for Bachelor's Degree Programs on page 39 in the catalog).

A **major**, or primary field of study, is required of all students. Certain majors, leading to the B.S. degree, are certifiable for teaching by the Connecticut State Board of Education. Other B. S. programs are not certifiable for teaching. Requirements

for the major are listed individually under the appropriate schools.
Students who change their major or declare a new major should consult with the chair of the department of the new major or an assigned advisor within that department regarding major
requirements. Students are required to complete the major requirements that are in place as of the date of their
declaration.