DATE: March 6, 2002

TO: Felton Best
    President, Faculty Senate

FROM: Paul Petterson
        Chair, University Curriculum Committee

RE: March 2002 Report to Faculty Senate

The Curriculum Committee submits the following Report to the Faculty Senate for consideration at its March 18, 2002 meeting.

I. Department of Geography.
        a.Course Addition of GEOG471, Topics in Human Geography.:
                Prerequisites: Geog 220 or permission of instructor. Selected topics in human geography. May be repeated with different topics for a maximum of 6 credits. Three credits. On demand. [G]
        b. Course Addition of GEOG597, Geography Capstone Seminar (Plan B):
                 Prerequisites: Geog 598, completion of 21 credits in the M.S. Program in Geography, and permission of graduate advisor. Directed readings seminar for Geography graduate students taking the comprehensive exam (Plan B). Comprehensive exam will be taken following completion of the course. Three credits. Spring. [G]
        c. Course Revision of GEOG441, Community & Regional Planning, to; Change prerequisite to: GEOG 241 or Permission Of Instructor; change cycling to
                Fall (E). [G]
        d. Program Addition of Minor in Environmental Geography:
                Total Credits 18 . 18 credits in Geography as follows: 3 credits in GEOG 110; 3 credits from GEOG 256, 266, 276, 378/379, or 442; 6 credits from GEOG 270, 272, 275, 374; and 6 credits from GEOG 433, 445, 472, 473.
        e. Program Revision of M.S. in Geography, to; add the following language at end of program description:
                Others may select Plan B, in which a comprehensive exam is completed instead of a thesis. The 30 cr. required are the same as in Plan A, except that GEOG 595 is substituted for GEOG 599 in Plan C and GEOG 597 is substituted for GEOG 599 in Plan B.
        f. Program Revision of Minor in Geography, to;
                18 credits in Geography as follows; GEOG 110 or 120; and 15 credits of Geography electives. At least 6 credit hours must be in courses at the 300- or 400-level. We recommend that these electives include one course from each group listed in the Geography Course Groups.

II. Department of Psychology.
        a.   Course_Addition of PSY370, Psychology of Loving Relationships.:
                Prerequisites: PSY 112 and 3 additional credits in psychology. Analysis of current psychological theories and research on loving relationships with emphasis on the

meaning of love and how to enhance interpersonal relationships.Three credits. Spring.

b. Course_Addition of_PSY350, Cross-Cultural Psychology.:
  Prerequisites: PSY 112 and 6 additional credits in psychology_Exploration of topical areas in psychology from a multicultural, multiethnic perspective. Students will become more aware of the role that culture and ethnicity play in shaping human behavior and student's awareness of the range of cultural variation will be raised. Three credits. Fall. (I)

c. Course_Revision of_PSY595, INTERNSHIP IN PREVENTION APPLICATIONS., to; PSY 595, GRADUATE INTERNSHIP IN PSYCHOLOGICAL APPLICATIONS. Prerequisites: Permission of instructor. Supervised internship at an agency or institution that provides psychological services. Minimum of 120 hours per semester required. Evaluations will be conducted by faculty and field supervisors. Three credits. On demand. [G]

III. Department of Computer Electronics & Graphics Technology.

a. Course_Revision of_CET 479, InternetTechnologies., to; add [G] credit.Add to prerequisites; for graduate students, permission of chair. Add "Can count as elective in CIT Technology Specialization".

b. Course_Revision of_CET 449, AdvancedNetworking., to;
  Prereq.: CET 349; for graduate students, permission of chair. Advanced router configurations, LAN switching theory and design, VLANs, WAN theory, dsign and technology, PPP, Frame Relay, and ISDN. Laboratory activities include developing solutions for routing problems and implementing segmentation with bridges, routers, and switches. Can count as elective in CIT Technology Specialization.Three credits. Fall. [G]

c. Course_Revision of_CET 349, Fundamentals ofNetworking., to;
  Prereq.: CET 229. Introduces the OSI model, network topologies, IP addressing, router configurations, router protocols and switching methods. Laboratory activities include creating cables, preparing the initial router configuration files and configuring IP addresses, and troubleshooting the configuration. Three credits. Spring.

d. Course_Revision of_GRT 112, Digital Imaging for GraphicsTechnology., to;
  Techniques of drawing and digital imaging for graphics technology. Emphasis on computer operations and the use of image editing software programs. (Lab). Three credits. Fall.

e. Course_Revision of_GRT 212, Graphic Arts Processes., to;
   A course designed to provide the student with a basic working knowledge of the printing industry. Printing, duplicating and copying processes are included. (Lab). Three credits. Fall, Spring.

f. Course_Revision of_GRT 242, Introduction to Graphic Design &Color., to;
  Prereq.: GRT 112 or GRT 212 or permission of instructor. Introduction to the use of graphics elements and color. Topics include production design for brochures, packaging, and web; includes theory and practice of process color printing. (Lab). Three credits. Fall.

g.Course_Revision of_GRT 342, Screen Printing & Post-pressOperations.,to;
  Fundamental operations and related information in post-press printing operation. Copy preparation, screen and stencil systems, printing techniques, ink and substrate compability, and finishing processes. Includes the study of layout and hand binding.

(Lab). Three credits. Spring.

h. Course_Revision of GRT 462, Advanced Graphic ArtsTechnology.,to;

Prereq.: GRT 442. Integrated experience of advanced instruction in both flexo, offset and digital printing. Experiences will include advanced process color work and direct to press operations. Cultural and historical aspects of graphic arts and industrial visitations. (Lab). Three credits. Fall. [G]

i. Course_Revision of GRT 472, Digital & FilmPhotography., to;

Principles of conventional and digital camera techniques. Includes camera handling, exposure, composition, developing, printing, and editing. Darkroom plans and equipment listings will be evaluated. Field trips to selected photography studios. (Lab) Open to all students. Three credits. Fall. [G]

j. Program_Revision of Minor in Networking Technology, to;

Total credit hours: 18. CET 223 Basic Electrical Circuits (3) CET 229 Computer Hardward Architecture (3) CET 363 Digital Circuits (3) CET 349 Introduction to Networking (3) CET 449 Advanced Networking (3) CET 453 Microprocessors (3).

k. Course Revision of GRT 442, Print Production, to;

Prereq.: GRT 212 or permission of department chair. Applied study of conventional and digital photography, pre-production, production, and post-production in the printing industry. (Lab). Three credits. Spring. [G]

l. Course Revision of GRT 362, Estimating And Scheduling For Printing, to;

Prereq.: GRT 212 or permission of instructor. Printing operations and methods of determining costs both manually and with estimating software will be examined. Planning, scheduling and controlling of printing production processes will also be emphasized; digital workflow will be discussed. (Lab). Three credits. Fall.

IV. Department of Computer_Science.

a. Program_Revision of Major in Computer Science, B.S.(Honors), to;.

64 credits. Core (18 credits): CS 151, 152, 161, 253, 254, 354. Advanced Area Courses (9 credits): CS 355 plus choice of two from CS 385, 463, 464. Advanced Directed Electives (9 credits): choice of three from CS 410, 423, 460, 462, 465, 473, 481, 483, 485 and 490, selected in consultation with an adviser. Auxiliary electives (4 credits): selected in consultation with an adviser, from those not selected from Advanced Area Courses or Advanced Directed Electives or from CS 290, 300, 301, 398, 407, 498, 499. Mathematics and statistics (15 credits): MATH 122, 221, 218 and STAT 315. Science (9 credits): PHYS 338 plus one of the following sequences: BIO 121 and 122 or CHEM 121 and 122 or ESCI 121, 122 and 123 or PHYS 125 and 126. Majors must also take PHIL 245 and an additional 6 credits in science

V. Department of Criminology.

a. Course_Addition of CRM415, Training and Professional Development:

Prerequisites: CRM 337; or permission of instructor. Analysis of theory and research pertaining to the assessment and development of job performance within criminal justice settings. Topics include job analysis, training design, and performance evaluation. Students design and implement a training project. Three credits. Irregular.

b. Course_Addition of CRM395, Physical Evidence in CriminalInvestigation:

Prerequisites: CRM 222; or permission of instructor. The collection and analysis of physical evidence found during the investigation of criminal cases. Topics include trace

evidence such as fibers, hair, fingerprints, and blood; DNA analysis; firearm and tool marks; serial killers; and crime scene documentation and reconstruction. Three credits. Irregular.

c. Course_Deletion of_CRM436, Supervised Field Studies In Criminal JusticeII.

d.Course_Revision of_CRM233, Law Enforcement and Society., to; change course number to CRM 133; remove prerequisites.

e.Course_Revision of_CRM338, Correctional Theory and Practice., to; change Prerequisites to: CRM 110 and CRM 133.

f.   Course_Revision of_CRM231, Criminal Procedure and the Courts., to; Change Prerequisites: CRM 110 and CRM 133.

g.   Course_Revision of_CRM222, Research Methods in Criminal Justice., to; Prerequisites: CRM 110 and CRM 133 and Phil 144; or, for minors, permission of chair. An overview of the methods of inquiry used in criminal justice research, principles of research design, knowledge of research strategies, conducting literature reviews, writing and presenting research ideas, and reading empirical reports. Three credits. Fall, Spring.

h.   Course_Revision of_CRM245, Diversity and Criminal Justice., to; remove prerequisites.

i.   Course_Revision of_CRM239, JuvenileDelinquency., to; remove prerequisites.

j. Course_Revision of_CRM337, Criminology., to; change prerequisite to CRM 222.

k. Course_Revision of_CRM325, Victimology, to; change prerequisite to CRM 222, or permission of instructor.

l. Course_Revision of_CRM330, DomesticViolence., to; change prerequisite to CRM 222, or permission of instructor.

m. Course_Revision of_CRM340, Crime and Capitalism. , to; change prerequisite to CRM 222, or permission of instructor.

n. Course_Revision of_CRM420, Current Issues in Criminal Justice Policy. , to; change prerequisite to CRM 337 or permission of instructor.

o. Revision of_CRM450, Drugs and Society. , to; Change prerequisite to: CRM 337; or graduate status; or permission of instructor.

p. Course_Revision of_CRM475, Controlling Anger and Aggression., to; Change prerequisite to: CRM 337; or graduate status; or permission of instructor

q. Course_Revision of_CRM478, Current Topics in Criminal Justice., to; change prerequisite to CRM 337 or permission of instructor.

r. Course_Revision of_CRM435, Supervised Field Studies in Criminal JusticeI., to; Prerequisites: CRM 337. Internship placement in a criminal justice setting under faculty direction and supervision. Corresponding class meetings nd assignments are also required. Students must arrange for placement by contacting the internship director a semester in advance. Three credits. Fall, Spring, Summer.

s.Program_Revision of_Major in Criminology, to; Total Number of Credit Hours 39. CRM 110, CRM 133, CRM 238, CRM 231, CRM 222, CRM 337, CRM 435, and 18-credits of electives (12 of which must be at the 300 or 400 level).. (Also, students are directed to take STAT 215 in Skill Area 2 and PHIL 144 in Study Area 1).

t.Program_Revision of_Minor in Criminal Justice, to; Total Number of Credit Hours 18. CRM 110, CRM 133, CRM 222, CRM 337, and 6 credits of electives (elective credits must be at the 300 level or greater).

VI. Department of Educational Leadership.
   a.   Course_Addition of EDT533, Distance Learning And Networking II. :
         Prerequisites: EDT 532. This course is the second in the distance education sequence
         and continues the work started in EDT 532. Attention will be paid to developing
         advanced distance learning solutions involving the Internet, offline materials and
         interactive instructional movies. Students will create distance education instruction for
         clients. Three credits. Summer. [G]
   b.   Program Revision Of MS in Educational Technology., to; add to Admissions
         requirements: Graduate students must have a personal computer and email account; add
         EDT 533 to requirements.

VII. Department of Engineering Technology.
   a.   Program_Deletion of Bachelor of Science in Engineering Technology - INDUSTRIAL
         SYSTEMS.

VIII. Department of Health & Human Service Professions.
   a.   Course_Revision of ED599, Thesis., to; change Prerequisites to: Permission of adviser;
         ED 598 or equivalent as accepted by adviser; change designator to CNSL 599.
   b.   Course_Addition of CNSL506, Counseling Children &Adolescents.:
          Prerequisites: CNSL 501 or permission of chair. An examination of counseling
         theories and strategies for working with children and adolescents.Three credits. Spring,
         Summer. [G]
   c.   Course_Addition of CNSL533, Legal, Financial, and Policy Issues in Student Affairs.:
          Prerequisites: Admission to the Program In Student Development In Higher Education
         (Counseling). Examination of policy formation, law, and financial issues as they pertain
         to student affairs administration in higher education. Three credits. Fall. [G]
   d.   Course_Revision of CNSL503, Supervised Counseling Practicum., to;
         Prerequisites: Acceptance into degree candidacy in relevant Counseling programs. A
         minimum of 100 hours of supervised clinical experience in a field setting. Includes
         direct service with clients, including experience in individual counseling and group
         work. Also includes on-campus group seminars. Three credits. Fall, Spring, Summer.
         [G]
   e.   Course_Revision of CNSL595, Applied Research in Counseling., to; change Prerequisites
         to: Permission of adviser; ED 598 or equivalent as
         accepted by adviser.
   f.   Program_Revision of Professional Counseling, to; Reduce the total number of credits to
         51 due to the reduction of CNSL 503 from 6 to 3 credits.
   g.   Program_Revision of School Counseling, .to;
         -Change Admissions requirements to: Admission to the school counseling program
         will be made on a competitive basis only one time per year. All applications must be
         completed and received by May 1 for admission for the following academic year.
         Candidates for admission will be selected on the basis of the following criteria: a)
         Grade point average for all undergraduate courses. Minimum requirement is a 2.70
         grade point average (GPA) based on a 4.00 point scale where A is 4.00. b) Successful
         completion of Praxis I, or waiver letter. c) Completion of the following prerequisite
         courses taken at either the undergraduate or graduate level with a grade of B or better:
         SPED 315 or 501, PSY 236 or 512, EDF 415 or anyof the following EDF 500,

510,516,524,525,530,538, or 583. d) Three recommendations from individuals able to testify to the student's suitability as a prospective counselor (copies of the recommendation forms are available in the back of this packet). e) A 2-3 page typewritten (double spaced) essay describing the following: (1)Reasons for entering the school counseling profession (2)Personal and professional experiences that influenced you to pursue the school counseling profession. (3)Personal characteristics you believe will contribute to your success as a school counselor f) A personal interview by the program's faculty admissions committee. The committee will assess the student's personal attributes and life experiences that might contribute to the student's potential for success as a professional school counselor.

-CNSL 503, Supervised Counseling Practicum, is reduced from 6 to 3 credits.
-CNSL 506, Counseling Children and Adolescents, is added as a new 3 credit course.
-EDTE 315, Principles of Learning, and PSY 526, Theories of Learning, are eliminated as prerequisites.

h. Program_Revision of Student Development in Higher Education, to;
-Add the following language: "Students must complete one course in statistics prior to enrolling in capstone".
-add CNSL 533, Legal, Financial, and Policy Issues in Student Affairs, as requirement.
-revise CNSL 503, Supervised Counseling Practicum, from 6 credits to 3 credits.
-add an adviser approved elective course to directed electives.
-change thesis requirement from ED 599 to CNSL 599.

IX. Department of History.
a. Course_Addition of HIST320, History and the Public. :
Examination of uses of history, its social and cultural messages, impact on community life, and contested nature. Will read textbooks, visit war memorials, see historical films, examine artifacts, and visit local historic house museums. Three credits. Irregular.

X. Department of Manufacturing and Construction Management.
a. Program_Revision of BSIT: ManufacturingTechnology, to;
Total number of credit hours: 36. Core Requirements: IT 190 Intro to Quality Assurance IT 362 Leadership Skills IT 401 Industrial Internship IT 410 Industrial Safety AC 210 Industrial Accounting ENG 403 Technical Writing MGT 295 Fundamentals of Management MKT 295 Fundamentals of Marketing Specialization Requirements: MFG 118 Intro to Material Processing MFG 121 Technical Drafting & CAD MFG 216 Materials Processing II MFG 226 Principles of CNC MFG 236 Tool Design MFG 366 Supply Chain Strategy MFG 376 e-Manufacturing MFG 496 Lean Manufacturing IT 458 Productivity Improvement CET 113 Intro to Information Processing ET 260* CAD/CAM/CIM ET 356 Materials Analysis *Must be taken in residence.
b. Program_Revision of Electro-Mechanical Technology, to;
Total number of credit hours: 36. CET 113-Intro-Information Processing (3) EMEC 114-Intro.-Energy Processing (3) MFG 118 Intro-Materials Processing (3) MFG 121 Technical Drafting & CAD (3) CET 223 Basic Electrical Circuits (3) EMEC 303 Electro-mechanical Converters (3) EMEC 323 Mechatronics (3) EMEC 324 Fluid Power Systems (3) EMEC 333 Data Acquisition & Control (3) EMEC 334 Mechanisms for Automation (3) EMEC 463 Programmable Logic Controllers (3) IT 480 Robotics

(3).

c.   [Course_Addition of CM545, Construction Risk Management](). :
A study of procedures that may be used to identify and solve problems arising during the construction process. Field problems requiring systematic problem solving, decision matrices and other risk assessment and mitigation tools will be addressed. Three credits. Fall.[G]

d.   [Course_Addition of CM535, Computer Applications in Construction Management]():
Examination of computer applications in the construction process. Emphasis on project management, communications, document control, estimating, claims management and financial management applications.Three credits. Fall. [G]

e.   [Course_Addition of CM505, Construction Project Delivery Systems]():
Explanation of various project delivery systems. Emphasis on design-bid-build, design-build, program management and construction management practices. Additional topics include ethics, professionalism, public responsibility, TQM and partnering. Three credits. Fall (o). [G]

f.   [Course_Addition of CM515, Construction Law](). :
Principles of the legal doctrines relating to owners, design professionals and contractors. Emphasis on the legal issues surrounding the formulation and interpretation of contracts, contract clauses and legal remedies available to all parties. Three credits. Spring (e). [G]

g.   [Course_Addition of CM525, Construction Equipment Operations and Management](). :
Selection and management of construction equipment for efficient and effective construction operations. Focus on equipment fundamentals and integration of equipment into the construction process. Economic considerations associated with equipment acquisition, ownership and replacement also covered. Three credits. Spring (e). [G]

h.[Course_Addition of MFG496, Lean Manufacturing]().:
Prerequisites: MFG 226 & MFG 236. Principles of lean manufacturing methodologies. Topics include production flow analysis, pull systems, work groups, waste elimination, visual factory, error proofing, quick changeover, cycle time reduction and change management. Three credits. Spring.

i.   [Course_Addition of MFG376, e-Manufacturing]().:
Prerequisites: MFG 226. The use of emerging computer and Internet based technology in manufacturing. Integration of production functions into the plant Information Technology infrastructure using Internet enabled collaboration, data acquisition, controller access, machine diagnostics and cell status access. Three credits. Fall.

j.   [Course_Addition of MFG366, Manufacturing Supply Chain Strategy]():
Prerequisites: MGT 295. Overview of emerging trends in managing the manufacturing supply and value chains. Strategies, tools and techniques for production, purchasing, inventory control, customer service and distribution. Three credits. Fall.

k. [Course_Revision of CM 135, Construction Quantity Surveying]()., to; add CM 125 as prerequisite.

l. [Course_Revision of CM 245, Heavy Highway Construction Systems]()., to; remove prerequisites.

m. [Course_Revision of CM 255, Construction Business Principles]()., to; change Prerequisites to : CM 155, AC 210 or AC 211; change cycling to Fall.

n. [Course_Revision of CML 345, Heavy Highway Construction Estimating]()., to; add CM 135

to prerequisites.

o. Course_Revision of CML 355, Construction Planning, to; change Prerequisites to: CML 325 or CML 345.

p. Course_Revision of CML 455, Construction Project Management., to; change prerequisites to: CM 255, CML 355 or Permission of Chair.

q. Course_Revision of EMEC 463, Programmable Logic Controllers., to;

>A study of programmable sequence controllers and programmable logic controllers for motion and process control. The use of ladder logic is included. Three credits. Spring. [G] (NOTE: delete from undergraduate catalog).

r. Course_Revision of MFG 446, Tool & Die Fundamentals., to;

>MFG 236, Tool Design. Prereq.: ET 260. Introductory study of and experiences in the design and construction of custom tooling for manufacturing.
>Three credits. Fall. (NOTE: delete MFG 446 from graduate catalog).

s. Course_Revision of MFG416, Principles of Computer Numerical Control., to;

>MFG 226, Principles Of Computer Numerical Control. Prereq.: ET 260. Principles essential for computer numerical control part programming and machine tool operation. Laboratory experiences include word address programming, computer aided programming, and CNC machine tool setup and operation. Three credits. Spring. (NOTE: delete MFG 416 from graduate catalog).

XI. Department of Modern Languages.

a. Program_Revision of Master of Arts in Modern Languages: Specialization in Hispano-North America, to; Renumber the following courses in the program: SPAN 460 to 560; SPAN 426 to 526; SPAN 434 to 534, SPAN 471 to 571; SPAN 472 to 572; SPAN 476 to 576.

b. Course_Revision of SPAN426, The Spanish-American Short Story., to; renumber to SPAN 526.

c. Course_Revision of SPAN434, Women Writers of the Spanish-Speaking World., to; renumber to SPAN 534.

d. Course_Revision of SPAN461, Topics in Spanish-American Literature., to; delete [G] credit.

e. Course_Revision of SPAN471, Generation of' 98., to; renumber to SPAN 571.

f. Course_Revision of SPAN472, 20th Century Spanish Literature., to; renumber to SPAN 572.

g. Course_Revision of SPAN476, Cervantes., to; renumber to SPAN 576.

h. Course_Revision of SPAN460, The Structure of the Spanish Language., to; renumber to SPAN 560.

i. Program_Revision of Master of Arts in Modern Language: Specialization in Spanish, to; Renumber the following courses in the program: SPAN 460 to 560; SPAN 426 to 526; SPAN 434 to 534, SPAN 471 to 571; SPAN 472 to 572; SPAN 476 to 576.

j. Program_Revision of Master of Science in Spanish for Certified Teachers, to; Renumber SPAN 460 to 560 in program.

XII. Department of Reading & Language Arts.

a. Course_Revision of RDG569, Folktelling: Art &Technique. to; add to prerequisites: Admission to a Master's program.

>NOTE: Add the same prerequisite to the following courses: RDG 578, 579, 585, 587, 588, 589, 590, 591, 592, 598.

NOTE: add the same prerequisite AND "or a postbaccaluareate certification program" to RDG 593.

NOTE: add the same prerequisite AND "or admission to a 6th Year Program or Ed.D." to RDG 667, 675, 680, 686, 692, 694, 698.

b. Course_Revision of_RDG594, Diagnosis of Reading Difficulties., to; add to prerequisites: Admission to M.S. in Reading Certification Specialization.

c. Course_Revision of_RDG595, Remedial and Corrective Techniques in Reading. , to; add to prerequisites: Admission to M.S. in Reading Certification Specialization. NOTE: Add same prerequisite to RDG 596.

d. Course_Revision of_RDG696, Practicum for Reading and Language Arts Consultants. , to; change prerequisites to: RDG 596 and RDG 694.

e. Course_Addition of_RDG579, Technology in Reading and Language Arts Instruction.:
Intersection of literacy learning and instruction with technology. Assists teachers in transforming technology to meet support and enhance literacy development of their students. Competencies in web-based, computer and multimedia based reading and language arts instruction will be developed. Three credits. Fall (o). On Demand. [G]

XIII. Department of Teacher Education.

a. Course_Revision of_EDEC430, Early Childhood Student Teaching., to; change Special Conditions to: Only the required concurrent course, EDTE 430, may be taken while student teaching. Not for credit in graduate degree programs.

b. Course_Revision of_EDEL430, Elementary Education Student Teaching., to; change Special Conditions to: Not for credit in graduate degree programs. Only required concurrent courses may be taken during student teaching.