

Bernard Gillis
Provost

RECEIVED

MAR 30 1990

OFFICE OF THE PROVOST

**TO: FULL SERVICE FACULTY, ADMINISTRATION, AND
STUDENT GOVERNMENT**

FROM: VIRGINIA PHILLIPS, SECRETARY, ACADEMIC SENATE

**RE: MEETING OF THE ACADEMIC SENATE
WEDNESDAY, APRIL 4, 1990, 4:00 P.M.
ARTS AND SCIENCES AUDITORIUM, ROOM 132, DEBARTOLO HALL**

AGENDA

1. Call to Order.
2. Approval of Minutes for March 7, 1990, meeting.
3. Elections and Balloting Committee Report.
4. Charter and ByLaws Committee Report.
5. Senate Executive Committee Report.
6. Report of Other Senate Committees.
 - 890-9 Report of Academic Programs and Curriculum Committee, Curriculum Division (Course Attachments).
 - 890-10 Report of Academic Programs and Curriculum Committee, Academic Programs Division.
 - 890-11 Report of Academic Planning Committee.
 - 890-12 Report of Academic Standards and Events Committee.
 - Other Committee Reports.
7. Unfinished Business.
8. New Business.
9. Adjournment.

- 90-059 Health and Physical Education (Change)
 892 The Teaching of Controversial Topics in Health Education
 To prepare educators to teach in such areas as human sexuality, alcohol, drugs and values. Two hours lecture and two hours lab. Prereq.: Upper division status in the HPE Department and Hlth 792 or any educational methods course. 3 q.h.
- 90-060 Health and Physical Education (Change)
 794 Secondary School Health Education
 Curricula, principles, planning, methods and materials for teaching health in secondary schools. Laboratory and/or field work required. Two hours lecture, four hours laboratory a week. Prereq.: Upper division status in the HPE Department. 4 q.h.
- 90-061 Health and Physical Education (Change)
 766 Curriculum Development in P.E.
 Aims, objectives, procedures, implementation and evaluation for curriculum development in physical education and movement education (K-12). Criteria for the selection of specific content for lesson and unit planning are covered with reference to the cognitive, psychomotor and affective domains of learning. Prereq.: Upper division status in the HPE Department, PE 550 or 551, 595, 661 and 670. 3 q.h.
- 90-062 Biological Sciences (Delete)
 820 Techniques in Animal Tissue Culture
 Procedures for in vitro culture of cells from tissues and organs including preparation of culture media and maintenance of primary and secondary cultures. Two hours lecture and four hours laboratory per week. Prereq.: BIOL 702 or equivalent. 4 q.h.
- 90-063 Biological Sciences (Change)
 827 Gene Manipulation
 The use of restriction endonucleases for isolation and cloning of foreign DNA in bacteria via plasmid and phage vectors. Introduction of foreign DNA into cultured mammalian cells using the calcium chloride and vector-assisted techniques. Two hours lecture and four hours laboratory per week. Prereq.: BIOL 702 and 790. 4 q.h.
- 90-064 Mathematical and Computer Sciences (Add)
 560 BASIC Programming
 An introduction to computer programming on microcomputers. A structured version of BASIC will be used. Topics will include array processing and input/output. Not applicable to the Computer Science major. Prereq.: Math 512 or equivalent. 4 q.h.

Prepared by the University Curriculum Division

- 90-053 Home Economics (Change)
764 Family Housing
Planning the home environment to meet family needs and resources; consumer decisions in selection of residences, floor plans, color schemes and furnishings. Three hours of lecture and two hours of laboratory per week. Prereq.: PSYCH 560 and SOCIO 500.
4 q.h.
- 90-054 Home Economics (Change)
853 Family Management Experience
Application of family resource management theory to specific perennial family problems. Two hour seminar and four hours of experience in consumer and homemaking activities. Prereq. or concurrent: HOMECE 852
3 q.h.
- 90-055 Marketing (Change)
865 Shopping Center Operations
A comprehensive review of the practices and procedures involved in the operation of shopping mall properties, including merchandising, maintenance, security, mall-tenant relations, and community relations. Prereq.: MKTG 703
4 q.h.
- 90-056 Marketing (Change)
875 Problems in Shopping Center Administration
Current problems in shopping mall administration. Each student will be responsible for producing a project that includes problem definition, exploratory research, solution proposal, and presentation to a panel. Prereq.: MKTG 755, 757, or 865.
4 q.h.
- 90-057 Marketing (Change)
525 The World of Fashion
Social, cultural and business aspects of fashion in apparel; career opportunities, current problems, challenges and strategies created by constant changes in retailing products which make up the near environment. Identical with Home Economics 525.
2 q.h.
- 90-058 Health and Physical Education (Change)
780 Methods of Teaching Dance
Rhythm and movement fundamentals; methods and materials of teaching folk, square and social dance. Prereq: Upper division status in the HPE Department and PE 545.
2 q.h.

- 90-065 Mathematical and Computer Sciences (Change)
 610 Computer Programming 1
 An introduction to problem solving methods and algorithm development using a high level programming language. Designing, coding, debugging and documenting programs using techniques of good programming style. Prereq.: Four units high school mathematics (including trigonometry) with an average of 'C' or better, or Math 525; and programming experience of CSCI 560. 4 q.h.
- 90-066 Mathematical and Computer Sciences (Delete)
 630 Advanced BASIC
 In-depth study in BASIC for microcomputers, including arrays, sequential and random access files. Not open to students with credit in CSCI 615. Prereq.: CSCI 530. 4 q.h.
- 90-067 Mathematical and Computer Sciences (Add)
 652 Introduction to FORTRAN
 An intensive introduction to FORTRAN. Topics include arrays, subroutines, and files. Prereq.: CSCI 610 or mainframe programming experience in a high-level language. 2 q.h.
- 90-068 Mathematical and Computer Sciences (Add)
 825 Linear Algebra 2
 A continuation of Math 725 including abstract vector spaces and linear transformations, eigenvalues and canonical forms, and selected applications. Prereq.: Math 725 and 722. 4 q.h.
- 90-071 Industrial Engineering (Change)
 821-822 Facilities Design
 The application of engineering techniques to the analysis, design, and justification of production facilities which may be product and/or service oriented. Equipment selection, process flow, material flow and material handling will be considered in the design of facilities. The system design will involve field investigation, acquisition and analysis of data, use of computer-aided facilities planning and design software, preparation of drawings and writing a final report. Prereq.: IE 636 and 725. Prereq. or concurrent: IE 850 and 150 hours of engineering degree credit completed. 4+4 q.h.
- 90-072 Industrial Engineering (Change)
 860 Operations Engineering
 Application of analytical tools of operations research and linear programming to operational problems of industry. Emphasis on the practical aspects of applying the tools, including data collection, modeling, model verification, and the interpretation, documentation, and presentation of the results. Prereq. or concurrent: IE 727. Prereq.: IE 801, IE 850. 4 q.h.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 15, 1990 Report Number (For Senate Use Only) 890-10

Name of Committee Submitting Report Academic Program Division

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) _____

Appointed

Names of Committee members: Daniel Borgia, Janet Gill-Wigal, Louis Harris,
Lois Hophkins, Hojjat Mehri, Nicole Stanko, George Sutton (chair),
Ronald Tabak.

Please write a brief summary of the report which the Committee is submitting to the
Senate: (attach complete report)

Changes in Civil Engineering Technology, Fashion Retailing (Home Economics),
Finance, and Transportation Management; Revision of Materials Engineering.

Do you anticipate making a formal motion relative to the report? No

If so, state the motion: _____

If there are substantive changes made from the floor in your committee recommendation,
would the committee prefer that the matter be sent back to committee for further
consideration? _____

Other relevant data: _____

Chair

NEW FORM

PD#

Date Rec'd

Addition of a new program _____ (Complete B, C)

Deletion of an existing program _____ (Complete A, C)

Change in an existing program _____ (Complete A, B, C)

Program title _____ Department _____

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

D. IF THE PROPOSAL INCLUDES ADDING OR DROPPING COURSES OFFERED BY OTHER DEPARTMENTS, SUPPORTING STATEMENTS FROM THESE DEPARTMENTS MUST BE INCLUDED WITH THE REQUEST.

Signatures

Department Chairperson _____

Dean _____ Prog. Div. _____

Youngstown State University
Academic Programs Division

PD#	Date Rec'd
-----	------------

Addition of a new program _____ (Complete B,C)

Deletion of an existing program _____ (Complete A,C)

Change in an existing program x (Complete A,B,C)

Program title CIVIL ENGINEERING TECHNOLOGY Department ENGINEERING TECHNOLOGY

A. Describe the requirements of the program as it currently exists.
(Attach additional sheets if necessary.)

See curriculum sheet attached.

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See proposed new curriculum sheet attached.

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

While the new proposed curriculum sheet shows a change in the order of some courses as well as a change in the name of some CITEC courses, the only changes affecting other departments are:

(see attached sheet)

Signatures

Department Chairperson W. Bunch

Dean W. Buckley 1/10/90 Prog. Div. J. Hunt

RC
1-8-90

THESE COURSE CHANGES IN THE CIVIL ENGINEERING TECHNOLOGY CURRICULUM RANGE FROM MINOR WORD CHANGES AND PREREQUISITE CORRECTIONS, TO CERTAIN BASIC CHANGES MADE IN RESPONSE TO CHANGING TECHNOLOGY. A THOROUGH SYSTEMS STUDY HAS BEEN ONGOING FOR ALMOST TWO YEARS BY THE CITEC FACULTY. THE RESULTS REFLECT INPUTS FROM THE FOLLOWING SOURCES:

- * TECHNOLOGY CHANGES
- * RECOMMENDATIONS MADE BY FAC/ABET, OUR ACCREDITING AGENCY
- * SUGGESTIONS MADE BY OTHER FACULTY, STUDENTS AND GRADUATES
- * SUGGESTIONS MADE BY OUR INDUSTRIAL ADVISORY COMMITTEE
- * REQUIREMENTS OF ASCE

.Geology 611, Geology for Engineers, is deleted and replaced by Physics 503.

.Management 725 has been deleted.

.CE 711/711L Surveying has been changed from required to optional.

The rationale for these changes is based on a two-year systems study by the CITEC faculty with inputs from students, graduates, employers, the Industrial Advisory Committee, other faculty and TAC/ABET, our accrediting agency.

The effects on the Geology and Physics Departments will be minimal since the enrollment in the courses is large compared to the CITEC component of that enrollment. The same is true for the Management Department.

The effect of making Surveying 2 optional will not be appreciable. BSAS students are typically employed full time, and, therefore, there are only a few CITEC students in the course each year. It is expected about half will still take the course as an option.

YOUNGSTOWN STATE UNIVERSITY
College of Applied Science & Technology

CIVIL ENGINEERING TECHNOLOGY
Effective Fall 1990

NAME _____ DATE _____

THIRD YEAR

FOURTH YEAR

Seventh Quarter

Tenth Quarter

ENGLISH 743 Technical Comm..... 4()
 MATH 770 Calc for Engr Tech 34()
 CITEC 705 Computing for Technologists4()
 CITEC 710 Structural Analysis 2.....4()
 H&PE Activity Course Elective.....1()
17

HUMANITY ELECTIVE..... 4()
 ELTEC 625 Electr. Syst.1.....4()
 CITEC 724 Public Works Tech...4()
 CITEC 730 Transp. Tech.....4()
 H&PE Activity Course.....1()
17

Eighth Quarter

Eleventh Quarter

MATH 785 Matrix Alg & Num Methods....4()
 MGT 604 Legal Env. of Business.....4()
 CITEC 707 Advanced Steel Design.....4()
 CITEC Elective (700/800 Level).....4()
16

GEOG 808 Land Use & Trans.....4()
 ELTEC 810 Elect. Syst Design...4()
 CITEC 800 Building Systems....4()
 CITEC 812 Adv. Concrete Des...4()
16

Ninth Quarter

Twelfth Quarter

HUMANITY ELECTIVE.....4()
 PHYSICS 503 Fund. of Physics 33()
 PHYSICS 503L Fund. of Physics 3 Lab..1()
 CITEC Elective (700/800 Level).....4()
 CITEC 717 Underground Construction...4()
16

GEOG 732 Adv. Cartography.....4()
 CITEC 807 Design.Project Mgmt.4()
 CITEC 817 Construction Mgmt...4()
 METEC 870 Appl.Fin.Elem Meth...4()
 H&PE Activity Course.....1()
17

TOTAL CREDIT HOURS 92
 TOTAL HOURS FOUR YEARS 20-

Humanities Elective - Listing available in Engineering Technology Office

CITEC Electives - CITEC 712 Architectual Design, CITEC 824 Environmental Planning Technology, CIENG 711/711L Surveying 2.

YOUNGSTOWN STATE UNIVERSITY
Academic Programs Division

PD#	Date Rec'd
-----	------------

Addition of a new program _____ (complete B,C)
Deletion of an existing program _____ (complete A,C)
Change in an existing program X (complete A,B,C)

Program title Fashion Retailing Department Home Economics

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

See attached 1989-90 curriculum sheet.

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See attached 1990-91 curriculum sheet.

Science/Math requirements changed to meet needs of fashion business; changed computer course to a more applied focus; other adjustments reflect actual student and program needs.

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

The proposed changes make the program requirements more consistent with the current demands of fashion retailing. Reduction in hours for required courses and increase of elective hours will provide opportunity for students to choose courses to meet their individual needs.

We have discussed these changes with affected departments, and all have assured us that the impact will not affect their staffing, budget, course offerings, etc.

Signatures

Department Chairperson Mary J. Beaubien

Dean [Signature] Program Division 2/14/90

RV
2-12-90
[Signature]

Program Change
FASHION RETAILING
2/1/90

Summary of Changes

1. MATH 506 and BUTEC 513 become part of science/math requirement.
2. ECON 622 deleted.
3. Emphasis increased to 17-21 q.h.
4. ART 502 becomes an option under Interiors.
5. HOMECEC 506 moved from Department Requirements to Clothing Emphasis.
6. HOMECEC 543 replaces HOMECEC 502.
7. Other requirements replaced by electives.

YOUNGSTOWN STATE UNIVERSITY
HOME ECONOMICS DEPARTMENT
FASHION RETAILING
(B.S. IN A.S.)

1990 - 1991

GENERAL DEGREE REQUIREMENTS

ENGL 550	Composition 1	4	__
ENGL 551	Composition 2	4	__
SPCH 652	Business & Professional Speaking	3	__
HLTH 590	Health Education	3	__
PHYSICAL EDUCATION	(3 activities)	3	__
HUMANITIES: (8-18)			
Nonstudio Art		4	__
Other		4-10	__

SCIENCE/MATHEMATICS: (17-22)

CHEM 502/L	Survey of CHEM 2	4	__
CHEM 503/L	Survey of CHEM 3	4	__
MATH 506	Mathematics of Business	5	__
BUTEC 513	Business Computer Systems 1	4	__

SOCIAL STUDIES: (19-22)

SOCIO 500	Fundamentals of Sociology	4	__
PSYCH 560	General Psychology	4	__
ECON 520	Principles of Economics 1	4	__
ECON 621	Principles of Economics 2	3	__
ANTHR 711	Cultural Anthropology	4	__

61-67

EMPHASIS: (17-21 q.h. in one area)

INTERIORS (choose from):

HOMECEC 763	Technology in the Home	4	__
	(HOMECEC 550 or ART 502 or HOMECEC/MKTG 525)		
852	Family Resource Management	4	__
	(HOMECEC 731 or PSYCH 707 or SOCIO 705)		
ART 716,717	Interior Design I, 2 (ART 503)	3,3	__
ART 718	Advanced Interior Design (ART 717)	3	__
ART 502	Design 1	4	__

CLOTHING (choose from):

HOMECEC 506	Clothing Selection	3	__
604	Advanced Clothing Constr. (HOMECEC 508)	3	__
642	Applied Fabric Design	3	__
702	Design & Flat Pattern (HOMECEC 508)	4	__
703	Tailoring (HOMECEC 604)	4	__
704	Design by Draping (HOMECEC 604)	4	__

17-21

MAJOR REQUIREMENTS (Interdisciplinary)

HOMECEC/MKTG 525	The World of Fashion	2	__
MGT 604	Legal Environment of Business 1	4	__
MKTG 625	Personal Selling	3	__
HOMECEC/MKTG 635	Fashion Exp. (HOMECEC/MKTG 525, MKTG 625)	3	__
MKTG 703	Fundamentals (Junior Standing)	5	__
ADVER 704	Principles (ENGL 551)	5	__
H.E. 705	Basic Textile Science (CHEM 501)	4	__
MKTG 709	Retail Marketing (MKTG 703)	4	__
MGT 725	Fundamentals (Junior Standing)	4	__
HOMECEC 730	Social & Psych. Aspects of Clothing (SOCIO 500, PSYCH 560)	4	__
MKTG 731	Nontextiles	4	__
MKTG 733	Furnishings (MKTG 703)	4	__
MGT 750	Human Behavior in Org. (Jr. Standing)	4	__
HOMECEC 764	Family Housing (PSYCH 560, ART 502)	4	__
HOMECEC 780	Consumer Economics (ECON 510 or 520)	4	__

OR

MKTG 848	Mktg. & Social Respon. (MKTG 703)	(3)	__
MKTG 809	Techniques of Retail Merch. (MKTG 709)	4	__
MKTG 815	Marketing Research (MKTG 703; ECON 624)	4	__
HOMECEC 835	Field Exp. (12 hrs. HOMECEC credit)	4-8	__
HOMECEC 888	Historic Costume & Furnishings	4	__
	(8 hrs. humanities, 8 hrs. social studies, and Junior standing)		

74-78

DEPARTMENT REQUIREMENTS - HOMECEC (18)

HOMECEC 507	Basic Clothing Techniques	1	__
508	Basic Cloth. Constr. (HOMECEC 507)	3	__
543	Personal Nutrition	2	__
550	Home Ec Profession (EPT placement in ENGL 550 or completion of ENGL 540)	2	__
731	Ind. & Family Development (PSYCH 560)	4	__
771	Presentation Tech. (8 hrs. HOMECEC credit; ENGL 550; SPCH 550 or equiv.)	4	__
850	Contemporary Issues in Home Economics	2	__

18

SUGGESTED ELECTIVES (at least 16)

PSYCH 613	Statistical Methods in PSYCH 1 (prereq)	3	__
PSYCH 712	Industrial Psychology (prereq)	4	__
BUTEC 710	Business Computer Systems 2 (prereq)	4	__
SPCH 550	Public Speaking	4	__
SPCH 653	Small-Group Communication	4	__
SPCH 656	Interpersonal Communication	4	__

TOTAL HOURS FOR DEGREE: 186

- . Some courses offered only once a year; see your advisor for proper prerequisites and sequence of courses.
- . Application for Field Experience must be filed two (2) quarters prior to registration for the course.
- . Must have "C" or better in each course of MAJOR, DEPARTMENT, and EMPHASIS, and GPA of 2.0 to be eligible for graduation.
- . Nonacademic hours cannot be counted as electives.

2/1/90

YOUNGSTOWN STATE UNIVERSITY
Academic Programs Division

PD#

Date Rec'd

Addition of a new program _____ (Complete B, C)

Deletion of an existing program _____ (Complete A, C)

Change in an existing program X (Complete A, B, C)

Program title Finance Department Accounting and Finance

A. Describe the requirements of the program as it currently exists.
(Attach additional sheets if necessary.)

The proposed changes affect the Additional Requirements section of the present Finance Curriculum (1989-90). See Exhibit I beginning with Econ. 805 thru Econ. 825.

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

See Exhibit II Finance (Proposed)

Replace Econ. 805 Business Cycles with Finance 838 International Financial Management. Select four courses from the following:

- (1) Fin. 717 - Real Estate Principles 3
- (2) Fin. 718 - Real Estate Finance 3
- (3) Fin. 722 - Insurance Fundamentals 3
- (4) Fin. 723 - Life Insurance 3
- (5) Fin. 724 - Credit Management 3

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

Finance 838 is required for AACSB accreditation. Since the majority of Finance students take F717, F718, F722, F723, and F724, the impact on the Economics Department will be minimal. These courses, F717, F718, F722, F723, and F724, are presently offered in the Accounting and Finance Department on a regular basis and will not require any additional personnel.

Signatures

Department Chairperson Ray L. Rose

Dean James Acault 45190

Prog. Div. [Signature]

FINANCE (PROPOSED)

Williamson School of Business Administration Curriculum Sheet for Academic Year 1988-89

UNIVERSITY GENERAL DEGREE REQUIREMENTS		QU	GR	WSDA UPPER DIVISION CORE COURSES ²		QU	GR
Engl 550	Basic Composition I	4		Fin 720	Bus Finance ^A	4	
Engl 551	Basic Comp II (Engl 550)	4		Hktg 703	Fund of Hktg ^A	5	
Engl 600	Level Literature: 611, 612, 613, 614, 615, 616, 617 (Engl 551)	4		Mgmt 725	Fund of Mgmt ^A	4	
	Liberal Arts Elective	4		Mgmt 750	Human Behavior in Org (Jr Stdg)	4	
	Humanities Elective	4		Mgmt 709	Oper Mgmt (Econ 624 & Mgmt 725)	4	
	Science Electives (8 Hours)	4		Mgmt 850	Policy Form & Admin ^{A & 5}	4	
		4		Mgmt 855	Bus Ethics (Mgmt 725 & 750) ⁵	3	
		4		Finance Core			
Spch 652	Business & Professional Spch	3		Fin 730	Investment Analysis (Fin 720)	4	
	Social Studies Electives (8 Hours) ¹	4		Fin 835	Adv Business Finance (Fin 720)	4	
		4		Fin 841	Finance Seminar (Fin 730)	4	
		4		Additional Requirements			
Psych 560	General Psychology	4		Acctg 703	Intermediate Acctg I (Acctg 606) or Econ 702 Public Finance (Econ 622)	4	
HPE 590	Health Education	3		Acctg 704	Intermediate Accounting II (Acctg 703) or Econ 712 Int Macro (Econ 622)	4	
HPE	Activities (3 Hours)	1		Acctg 705	Inter Acctg III (Acctg 703) or Econ 809 Cur Prob in Money/Bank & Fin Mkts (Econ 701)	4	
		1		Econ 701	Money & Banking (Econ 622)	4	
		1		Fin 838	International Financial Mgmt.	4	
WSDA LOWER DIVISION TOOL				Select Four Courses From:			
Math 550	Calc/Soc Mgmt Sci I (Alg II) ³	5		(1) Fin 717	Real Est. Princ (Mgmt 604)	3	
Math 642	Applied Finite Math (Alg II)	5		(2) Fin 718	Real Est Finance	3	
Econ 520	Principles of Econ I	4		(3) Fin 722	Ins Fund (Mgmt 604)	3	
Econ 621	Princ of Econ II (Econ 520)	3		(4) Fin 723	Life Ins (Mgmt 604)	3	
Econ 622	Princ of Econ III (Econ 621)	3		(5) Fin 724	Cred Mgmt (Acct 606 & Mgmt 604)	3	
Mgmt 604	Legal Environ Bus I	4					
Acctg 605	Elem Acctg I (Soph Stdg) ^A	5					
Acctg 606	Elem Acctg II (Acctg 605) ^A	5					
Acctg 610	Mgmt Info Sys I (C in Acctg 606)	4					
Econ 624	Econ & Soc Stat I (Soph Stdg)	4					
Econ 705	Econ & Soc Stat II (Econ 624)	4					
Non-Business Electives (11 Hours)							
				Mgmt 714	Legal Env Bus II (Mgmt 604) or Acct 709 Mgmt Inf Sys (C in Acct 610)	4	
				Mgmt 735	Com for Mgmt/Bus (Engl 551 & Mgmt 725)	4	
GRAND TOTAL						186	

1 History 605 & 744 are suggested for Social Studies Electives.

2 Tool, Core, Major and Minor courses may not be taken CR/NC; each must be completed with "C" or better. Tool courses must be completed ("C" or better) and upper division status attained before taking core courses.

3 Math 512 is required for Math 550 if Algebra II was not taken in High School.

4 Permit required.

5 Should be taken in final quarter

PD/

Date Rec'd

Addition of a new program _____ (Complete B, C)

Deletion of an existing program ^x _____ (Complete A, C)

Change in an existing program _____ (Complete A, B, C)

Program title TRANSPORTATION MAN. Department MANAGEMENT

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

- University Requirements
- Management Dept. Core Courses
- School of Business Core
- Lower division requirements
- Acctg. 711
- Mgt. 705, 746, 808, 816, Upper Division Electives
- Finance 835, Mktg. 847, Business Upper Division Electives

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

There are no majors and the number of majors has been less than three for several years. This should have no impact on any other department.

Signatures

Department Chairperson Clement Ferriker

Dean James Carelli 4/5/90 Prog. Div. [Signature]

YOUNGSTOWN STATE UNIVERSITY
Academic Programs Division

PD#	Date Rec'd
-----	------------

Addition of a new program _____ (Complete B, C)

Deletion of an existing program _____ (Complete A, C)

Change in an existing program^{XX} _____ (Complete A, B, C)

Program title MATERIALS ENGINEERING Department MATERIALS ENGINEERING DIVISION

A. Describe the requirements of the program as it currently exists. (Attach additional sheets if necessary.)

SEE ATTACHED

B. Describe the requirements of the proposed program. (Attach additional sheets if necessary.)

SEE ATTACHED

C. Using as many additional sheets as are necessary, provide a rationale and estimate how this addition/deletion/change of program will impact upon the resources of departments other than the one originating the form (e.g. enrollments, frequency of support-course offerings, staffing, budgets, equipment, duplicate courses, etc.).

Signatures

Department Chairperson

Richard Jones

Dean

J.R. Little

Prog. Div.

J.R. Little

Rationale for Revisions in Materials Engineering Curriculum

In 1986 the Metallurgical Engineering Program was separated from the Department of Chemical and Metallurgical Engineering and the name of the program was changed to Materials Engineering. Three major problems existed in the Metallurgical Engineering curriculum.

- (1) While characteristics/properties of all materials were presented in some courses, the overall emphasis was on metals/alloys and not on materials in general.
- (2) The teaching loads required to offer both an undergraduate Materials Engineering Program and a graduate Materials Science Program were so high that professional development and research were not possible.
- (3) Program did not meet ABET requirements for accreditation.

Before discussing these problems in detail, it is important to explain that these problems are not independent of each other. It would, for instance, be easy to solve the first problem by simply adding required courses on non-metallic materials to the curriculum. This would, however, exacerbate Problem #2 and would not necessarily help solve the third problem. Any solution then would probably be a compromise, but at least it would address all three problems simultaneously.

A short term solution that did not greatly worsen Problem #2 was immediately found (1987). The metallurgical curriculum contained two three-course sequences concerning the fundamental nature of materials. One of the sequences was sophomore-level, and the second sequence was junior-level. It was found that no other Materials/Metals curriculum had the luxury of offering two such sequences, and the equivalent courses were usually offered at the sophomore level. We then replaced the sophomore-level courses with the junior-level courses while retaining sophomore-level course numbers. The junior-level courses were replaced with courses covering non-metallic materials. (See chart below.)

Metallurgical Curriculum (Pre-1987)

<u>Required</u>		<u>Electives</u>	
601, 602, 603	12 q.h.	851, 852, 853, 854	12 q.h.
791, 792, 793	9 q.h.		
Both sequences covered similar material at different levels.		Covered non-metallic materials, but not offered on a regular basis.	

Materials Engineering (1987-1990)

<u>Required</u>		<u>Elective</u>	
601, 602, 603	12 q.h.	866	3 q.h.
851, 852, 853, 854	12 q.h.		
The materials taught in 601-603 had been previously taught in 791-793.		Taught every year to fill gaps in 851-854 sequence.	

Since no new courses had to be approved, this scheme was easy to incorporate into the curriculum. The scheme had several serious deficiencies. First of all, no course on Composite Materials existed in the program and 866 (Special Topics) had to be taught on a regular basis to help cover gaps in the 851-854 sequence. This worsened the second problem of high teaching loads (9 q.h. were eliminated from the curriculum but 15 q.h. were added) and did not address the accreditation problem.

The 15 q.h. added to the curriculum could not be reduced. These 15 q.h. were based on five 3 q.h. courses. Converting to 4 q.h., a minimum of four courses are required; one course each for polymers, ceramics, electronic materials and composites. This would constitute a four hour inflation of the curriculum. The Metallurgical Engineering curriculum included 4 q.h. for a math elective. ABET standards required that the curriculum include Physics laboratory and two advanced science courses. If the math elective were changed to a basic science elective, a minimum of 6 q.h. would have to be added to the curriculum to meet the ABET requirements. These 6 q.h. plus the extra 4 q.h. required to cover non-metallics would increase the graduation requirements by 10 q.h. This would, however, be contrary to the ABET recommendation of lowering graduation requirements.

To satisfy ABET requirements and address the problem of high teaching loads, it was obvious that substantive changes were required in the program. In the Metallurgical Engineering curriculum, the three areas of physical, mechanical and chemical characteristics of metals were given about equal coverage. In order to add non-metals courses in the curriculum without increasing teaching loads would require either (a) a reduction in the depth of coverage in each of the three areas, or (b) a change in emphasis of equal coverage to a more concentrated coverage in one or two areas at the expense of the third area. After very careful considerations based on current and future industrial needs, it was decided to minimize our efforts in extractive and chemical metallurgy and increase our emphasis in physical and mechanical properties of materials in general. It was also decided to decrease our laboratory efforts in metals/alloys, but to increase our laboratory efforts in non-metallic materials. Once these decisions were made, a new Materials Engineering Program was developed. This new program accomplishes the following:

- (a) Reduces the number of quarter hours required in major courses from 75 to 60, a net savings of 15 q.h. This savings lowers the average faculty teaching load.
- (b) Increases by 10 quarter hours in non-major technical courses from 40 to 50. This increase includes the 10 q.h. of basic science and the exchanging of courses needed to redirect emphasis in the program.
- (c) Decreases graduation requirements by 4 q.h.
- (d) Meets ABET curriculum requirements.

Only two engineering departments will be affected with these changes. Eight fewer and eight more q.h. will be taken from Chemical and Mechanical Engineering respectively. These changes result from the change in emphasis from extractive/chemical metallurgy to mechanical/physical properties of materials.

The specific changes proposed in the Materials Engineering are summarized in the following table.

SUMMARY OF CHANGES IN PROPOSED CURRICULUM

<u>Current Departmental Requirements</u>		<u>Proposed Departmental Requirements</u>	
601, 602, 603	12 q.h.	No change 601, 602, 603	12 q.h.
730, 731, 732	9 q.h.	Combine into two 4-hour courses 630, 631	8 q.h.
		Each course to have 2 lectures plus 2 labs per week	
740, 741, 860	9 q.h.	Combine into one 4-hour course 742	4 q.h.
		Three lectures plus 1 lab per week	
763, 820, 821	11 q.h.	Combine into one 4-hour course 780	4 q.h.
851, 852, 853, 854	12 q.h.	Change to four 4-hour courses 751, 752, 753, 855	16 q.h.
861, 867, 887	10 q.h.	Increase to 4 hours each 861, 867, 887	12 q.h.
		(861 to include SEM; 861 and 867 to have labs)	
Electives:	12 q.h.	Reduce to 4 q.h. Electives	4 q.h.
TOTAL	75 q.h.	TOTAL	60 q.h.

<u>Current Engineering Requirements</u>		<u>Proposed Technical Requirements</u>	
ChE 681, 771, 785, 786, 887	20 q.h.	Delete 785, 887; 681, 771, 786	12 q.h.
C.E. 601, 602	8 q.h.	No change 601, 602	8 q.h.
I.E. 642	4 q.h.	No change 642	4 q.h.
M.E. None		Add 641, 751 641, 751	8 q.h.
E.E. 714	4 q.h.	No change 714	4 q.h.
Electives	4 q.h.	Add 10 q.h. (Chemistry, Math, Physics, Engineering)	14 q.h.
TOTAL	40 q.h.		50 q.h.

TENTATIVE NEW CURRICULUM

<u>FALL</u>		<u>WINTER</u>		<u>SPRING</u>		
Engl 550	4	Engl 551	4	H&PE 590	3	
Chem 515	4	Chem 516	4	Chem 517	4	
Engr 581	2	Math 572	4	Math 673	5	
Math 571	5	Lib Art	4	Lib Art	4	
Activity	<u>1</u>	Activity	<u>1</u>			
	<u>16</u>		<u>17</u>		<u>16</u>	49
MatE 601	4	MatE 602	4	MatE 603	4	
Phys 510	4	MatE 630	4	MatE 631	4	
Math 674	4	Phys 610	4	Phys 611	4	
IE 642	4	Math 705	4	ChE 681	4	
Activity	<u>1</u>	Phys 610L	<u>1</u>	Phys 611L	<u>1</u>	
	<u>17</u>		<u>17</u>		<u>17</u>	51
MatE 751	4	MatE 752	4	MatE 753	4	
MatE 742	4	ME 641	4	Econ 520	4	
ChE 771	4	EE 714	4	ChE 786	4	
CE 601	4	CE 602	4	MatE 780	4	
	<u>16</u>		<u>16</u>		<u>16</u>	48
MatE 861	4	MatE 867	4	MatE 887	4	
Mat Elec*	4	Tech Elec*	4	Tech Elec*	4	
Tech Elec*	4	Lib Art	4	MatE 855	4	
Lib Art	4	ME 751	4	Lib Art	4	
	<u>16</u>		<u>16</u>		<u>16</u>	48
				TOTAL		196

*700- or 800-Level

REQUESTED MATERIALS ENGINEERING CURRICULUM CHANGES

<u>Course</u>	<u>Title</u>	<u>Number</u>	<u>Description</u>	<u>Prerequisite</u>	<u>Hours</u>
763				X	X
820, 821				X	
864				X	X
865				X	X
871				X	X
872				X	X
780		X			X
781					X
782					X
783					X
784					X
887			X	X	X
868				X	X
861			X	X	X

**YOUNGSTOWN STATE UNIVERSITY CURRICULUM PROPOSAL for
CURRICULUM DIVISION of ACADEMIC PROGRAMS & CURRICULUM DIVISION**

UCD #	Date Rec'd	IR Code
-------	------------	---------

School Arts & Sciences Department Psychology

Course Title Bachelor of Arts Change (Complete A, B, C, D, E)
 Add (Complete B, C, D, E)
 Delete (Complete A, C, E)

Chairperson's Signature _____ Date 2/20/90 Telephone 3401

A To delete or change an existing course, attach a clear photocopy of its description in the current Bulletin and list the page number.

BACHELOR OF ARTS — PSYCHOLOGY
48 Hours:
 A. 560, 613, 614 (Statistical Methods 1 & 2), 615.
 B. Additional 33 hours in courses applicable to major.

B To add or change a course, provide its description precisely as it is to appear in the Bulletin. Be succinct.

See attached page.

C Yes or No , this course is (to be) cross-listed with _____
 (Department & Course Number)

All cross-listed courses must be identified as such in the description of all courses involved — Check B above.

D Justify the course proposal, using additional sheets if necessary. Qualified faculty must be listed for a new course. Assurances must be provided that library resources and/or physical plant facilities are or will be available.

The change in programs is designed to insure that the hours completed for the major are taken in formal coursework of lecture and laboratory experience throughout the entire range of Psychology. It limits the amount of nonformal coursework hours which may be applied to the major. Additional experiential types of course hours may be applied to elective hours.

Course Workload: _____ WH

E Yes or No , this proposal will affect another Department in the University. If yes, explain _____

Signatures	Approval	Disapproval	Date
School/College Curr. Comm. <u>C. R. Sings</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3-6-90</u>
Dean <u>B. J. Spurrak</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3-7-90</u>
University Curr. Div. <u>[Signature]</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3/14/90</u>
Academic Senate <u>Mary J. Beaubien</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3-15-90</u>

BACHELOR OF ARTS - PSYCHOLOGY 48 HOURS:

- A. 560, 613, 614 (Statistical Methods 1 & 2), 615
- B. An additional 30 hours in courses applicable to the psychology major, excluding 720, 770, 790, 785, 845 and 891.

At least one course must be taken from each category from at least four of the five categories. (Students may take as many courses from within a category as they desire).

- | | |
|--|--|
| 1. <u>Clinical Personality</u>
702 Abnormal
802 Personality
840 Measurement | 4. <u>Social/Industrial</u>
700 Social Psychology
712 Industrial Psychology
704 Conflict Resolution |
| 2. <u>Learning/Motivation</u>
734 Applied Behavioral Analysis
761 Cognition
800 Psychology of Learning
833 Operant
860 Motivation | 5. <u>Experimental/Physiological</u>
760 Perception
762 Verbal Learning & Memory
763 Comparative
810 and 810L Psychophysiology
828 Physiological Psychology |
| 3. <u>Development</u>
755 child
756 Adolescence
757 Adult | |

- C. The remaining 3 hours in coursework may be taken in any course applicable to the major.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date March 12, 1990 Report Number (For Senate Use Only) 890-11

Name of Committee Submitting Report Academic Planning Committee

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) _____

Names of Committee members: Alice Betz, Gregory Claypool, Thomas Dobbelstein,
Bernard Gillis, Jalal Jalali, Dorothy Kennedy, Donna McNierney, Alfred Owens,
David Ruggles, Fred Viehe, Bernard Yozwiak.

Students: John Stegiguaf, Marla D'Andrea

Please write a brief summary of the report which the Committee is submitting to the
Senate: (attach complete report) . See attached memo and statement.

Do you anticipate making a formal motion relative to the report? Yes

If so, state the motion: The committee offers two motions: 1. The Senate
approve the Academic Mission Statement for the Strategic Plan of the
1990's as submitted, and 2. The Senate forward the Academic Mission
Statement to the President.

If there are substantive changes made from the floor in your committee recommendation,
would the committee prefer that the matter be sent back to committee for further
consideration? _____

Other relevant data: _____

Alice Betz
Chair

INTEROFFICE CORRESPONDENCE



To: Academic Senate
From: Academic Planning Committee
Date: March 12, 1990
Subject: Report

The Academic Planning Committee has developed the attached "Academic Mission" Statement for the Strategic Plan of the 1990's. The goal of the committee was to reflect the academic community's vision of YSU's future.

Input from the academic community was gathered from:

1. Studying the previous work of the Academic Planning Committee;
2. Reviewing the 1984 Academic Master Plan;
3. Reviewing the 1984-1994 Strategic Plan and its revisions;
4. Reviewing the Report of the North Central Association of Colleges and Schools;
5. Reviewing correspondence from the Ohio Board of Regents;
6. Discussion from the Academic Senate; and
7. Informal discussion that occurs daily within the institution.

The committee felt it was very important to be active rather than passive about academic planning; to look toward a positive future for YSU with change and growth, and to develop an academic mission that would enhance the long term viability of the institution.

The committee would like to forward this statement to the President for his review and consideration in planning for the 1990's.

Academic Mission Statement
For the Strategic Plan of the 1990s

The academic mission of Youngstown State University is to foster the search for and concurrent dissemination of knowledge. This effort ultimately is directed both toward elevating the human spirit and toward the intellectual growth and betterment of people and their agencies in and around northeastern Ohio.

The University is dedicated to superior teaching, rigorous scholarship and research, and responsible public service. It aims to assemble and develop a faculty which embodies these standards and in turn cultivates them among students. It reinforces this effort through cocurricular opportunities and other out-of-class support. Hence, the University sees a primary test of its effectiveness in its graduates: the kinds of lives they lead, their personal accomplishments and their contributions to social good.

The University is dedicated to broad access to education. It provides academic access through open admission for all Ohio high school graduates to a wide range of programs and through specialized and advanced degree programs. It seeks to provide economic access through a strong program of financial aids as well as reasonable tuition charges. And it is committed to geographic access through attention to the needs of students who either live on or near campus or who commute.

The University is distinguished in its capacity to provide expertise to governmental bodies, industry and businesses, and social service agencies to increase their effectiveness. The University in turn builds its strength on the vitality and support of surrounding communities and their citizens, both organizational and individual, public and private.

In support of this, the University is committed:

- * to achieve desired levels of academic excellence in teaching, scholarship and study;
- * to establish appropriate terminal degree programs;
- * to maintain or improve its physical facilities, equipment, and support services;
- * to improve its technologies for creation, manipulation, storage and retrieval of print, data, voice, visual and other types of information;
- * to develop or aid in the development of residence facilities needed by future students: traditional and nontraditional, undergraduate and graduate;
- * to take such steps necessary to acquaint potential students with educational opportunities at the University;
- * to maintain or enhance public service, including continuing education, industrial/business opportunity counseling, and applied research/technology transfer; and
- * to take other steps, whether subordinate or complementary to these, necessary to realize this academic mission.

COVER SHEET TO BE ATTACHED TO ALL REPORTS SUBMITTED TO THE ACADEMIC SENATE

Date 3/15/90 Report Number (For Senate Use Only) 890-12

Name of Committee Submitting Report Academic Standards and Events

Committee Status: (elected chartered, appointed chartered, ad hoc, etc.) _____

Names of Committee members: Aboul-Ela (Chair), Burden, Byo, Conroy, Driscoll, Edwards, Owens, Pusch, Reid, Richley, Stephens, Welsh

Please write a brief summary of the report which the Committee is submitting to the Senate: (attach complete report)

1. Senate Bill 140 (see attached)
2. HPE Credit for Reservists (see attached)

Do you anticipate making a formal motion relative to the report? Yes

If so, state the motion: Two motions relative to Senate Bill 140 (see attached)

If there are substantive changes made from the floor in your committee recommendation, would the committee prefer that the matter be sent back to committee for further consideration? _____

Other relevant data: _____

Chair

Senate Bill 140

Motion #1: Adopt Draft-III Senate Bill 140 Post-Secondary Enrollment Program dated March 1990 with the following changes

a) Early Admission Policy

B. Requirements

5. English Placement exam is required prior to admission.

(The change is the insertion of "prior to admission".)

b) Early Admission Policy

B. Requirements

7. Personal interview with the designated counselors in the YSU Admissions Office after which an admission decision will be made by committee.

(The change reflects a committee decision.)

c) Early Admission Policy

C. Acceptance Notification, Advisement Requirements, and Reporting

3. Participants will register after regularly matriculated students.

(Presentation of new item 3 to reflect that the participants will not receive registration priority above regular students.)

Motion #2: Request that the Senate Executive Committee charge a committee with the ongoing responsibility of monitoring the implementation and effects of this proposal as presented.

2. Report presented as information without any motions:

The chair of the Academic Standards and Events committee has sent memos to the appropriate people regarding a recent change in the policy of granting HPE credits to veterans.

The Youngstown State University Undergraduate Bulletin 1989-90 states the following:

"Veterans who have completed at least one full year of active United States military service will receive up to six quarter hours of credit for the University's health and

physical education requirement. A copy of the applicant's DD form 214 must be supplied to the Admissions Office in order to validate such credit."

The change in policy to include students who have served in the national reserve or national guard is clearly an extension of the policy that is given in the bulletin.

Because the change is in obvious conflict with the existing policy, it should not have been implemented. Proposers of such a policy should refer the matter to the Senate Executive Committee for appropriate action.