

**Bloomsburg State College  
Undergraduate Bulletin  
Supplement**

**1977-1978**






BLOOMSBURG STATE COLLEGE  
UNDERGRADUATE BULLETIN  
SUPPLEMENT



1977 - 1978

Undergraduate Catalog Supplement



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BLOOMSBURG STATE COLLEGE  
COLLEGE CALENDAR  
for  
1978-79

1978 Summer Sessions: May 30 — August 18

MWF: 44 Class Hours — TTH: 45 Class Hours

MWF: 45 Class Hours — TTH: 45 Class Hours

SEMESTER I (1978)

Registration	Monday, August 28
Classes Begin	Tuesday, August 29, 8:00 a.m.
No Classes	Monday, September 4 (Labor Day)
Thanksgiving Recess Begins	End of Classes on Wednesday, November 22
Classes Resume	Monday, November 27, 8:00 a.m.
Classes End	End of Classes on Wednesday, December 13
Reading Day	Thursday, December 14
Final Exam. Period Begins	Friday, December 15, 8:00 a.m. (includes Sat., December 16)
First Semester Ends	Thursday, December 21
Commencement	Sunday, December 17

SEMESTER II (1979)

Registration	Tuesday, January 16
Classes Begin	Wednesday, January 17
Spring Recess Begins	End of Classes on Friday, February 23
Classes Resume	Monday, March 5, 8:00 a.m.
Easter Recess Begins	End of Classes on Wednesday, April 11
Classes Resume	Tuesday, April 17, 8:00 a.m.
Classes End	End of classes on Friday, May 11
Reading Days	Saturday, Sunday, May 12-13
Final Exam. Period Begins	Monday, May 14
Second Semester Ends	Saturday, May 19
Commencement	Sunday, May 20

1979 Summer Sessions — May 28 through August 17

BLOOMSBURG STATE COLLEGE  
COLLEGE CALENDAR  
for  
1979-80

MWF: 44 Class Hours — TTH: 45 Class Hours

MWF: 45 Class Hours — TTH: 45 Class Hours

SEMESTER I (1979)

Registration	Monday, August 27
Classes Begin	Tuesday, August 28
No Classes	Monday, September 3 (Labor Day)
Thanksgiving Recess Begins	End of Classes on Wednesday, November 21
Classes Resume	Monday, November 26, 8:00 a.m.
Classes End	End of Classes on Wednesday, December 12
Reading Day	Thursday, December 13
Final Exam. Period Begins	Friday, December 14, 8:00 a.m. (and includes Sat., Dec. 15)
First Semester Ends	Thursday, December 20
Commencement	Sunday, December 16

SEMESTER II (1980)

Registration	Tuesday, January 15
Classes Begin	Wednesday, January 16
Spring Recess Begins	End of Classes on Friday, February 22
Classes Resume	Monday, March 3, 8:00 a.m.
Easter Recess Begins	End of Classes on Wednesday, April 2
Classes Resume	Tuesday, April 8, 8:00 a.m.
Classes End	End of Classes on Friday, May 9
Final Exam. Period Begins	Monday, May 12
Second Semester Ends	Saturday, May 17
Commencement	Sunday, May 18

*Residence Halls  
Dining Rooms,  
College Union  
section revised.*

BUILDINGS AND FACILITIES

Lycoming Hall, the newest edition to our residence hall community, officially opened during the fall of 1976. In addition to housing 250 women, the building offers lounges, study rooms, recreation areas, special project facilities, and an apartment for the resident dean.

Columbia Hall, completed in 1970, is a nine-story residence hall for 400 women. It contains lounges, recreation areas, study rooms, a special projects room, and apartments for resident staff members.

Elwell Hall, completed in 1968, is a nine-story residence hall which can accommodate 678 students. It features recreation rooms and lounges, study rooms, and apartments for staff. Its name honors Judge William Elwell, a former trustee of the College, George F. Elwell, his son, a graduate and former trustee, and G. Edward Elwell, his grandson, a graduate and former instructor in French.

Luzerne Hall, a four-story residence hall completed in 1967, accommodates 300 students. It includes lounge and recreation facilities, study rooms, and staff apartments.

Montour Hall and Schuylkill Hall, four-story residences completed in 1964, share the distinction of being the campus' only coeducational facilities, each hall housing 250 men and women. Each hall is divided into two wings, complete with recreation and lounge facilities, study rooms, and apartments for resident staff members.

Northumberland Hall, completed in 1960, accommodates 200 residents. There are lounge and recreation areas, study rooms, and apartments for staff members. (Lycoming, Luzerne, Columbia, Montour, Schuylkill and Northumberland are names of counties from which many students come to Bloomsburg.)

The alignment of halls according to coed and single sexed is subject to revision based upon male/female enrollment figures and current student needs.

William W. Scranton Commons, completed in 1970, is an air-conditioned dining facility with one thousand seats and with a capacity to serve 2900 students at each meal. Folding partitions permit flexibility of arrangement. A faculty dining room and two lounges are in the building. William W. Scranton was Governor of Pennsylvania from 1963 to 1967.

College Store. This building was completed in 1956 and used until 1970 as the college Commons and from 1970 until 1973 as a temporary Union. The building has been remodeled and is now used as the College Store for the sale of textbooks and supplies.

Marguerite W. Kehr College Union. The Kehr Union Building houses a commercial branch bank, a formal lounge, a snack bar and dining area, a multi-purpose room, a mail room and mailboxes for commuting students, a game room, television room, listening room, offices for student organizations and publications, the college infirmiry, an information center, bowling alleys, a travel service, the Community Activities office, and storage area. Its name honors the late Dr. Marguerite W. Kehr, who was Dean of Women at the College, 1928 to 1953.



CATALOGUE  
PAGE

REVISION

DESCRIPTION

Page 37	<i>BLOOMSBURG FOUNDATION, INC.</i>	<p>The Bloomsburg Foundation was established in 1970 as a non-profit educational corporation to assist the College in functions for which state funds should not or cannot be used. The Foundation may solicit, receive and manage gifts and grants from individuals, corporations, or other foundations; its funds are used to assist the College in carrying out its educational mission.</p>
Page 39	<i>Housing Fees Revised</i>	<p><b>Residence Halls</b></p> <p>Room and meals in a campus residence hall cost \$500 per semester, \$198 for a six-week summer session, and \$99 for a three-week summer session.</p> <p>The Fall Semester fee is payable before August 15; it may be paid in two installments, \$250 before August 15 and \$250 before November.</p>
Page 40	<i>Meals for Off- Campus Resi- dents — Cost Revised</i>	<p>Students who live off campus may take their meals in the dining hall if space is available. The rate for 15 meals per week is \$206.50 per semester, and for the 20 meals per week is \$220.00 per semester.</p>
Page 41	<i>Basic Fees</i>	<p>Fees for tuition are eligible for refunds when the student withdraws from college. All refund requests must be submitted in writing to the Business Office, Waller Administration Building. A student is eligible for consideration for a refund for any reason approved by the President or the President's designated official, or illness certified by a physician. The refund schedule</p>

will apply also to all part-time students. Except for forfeit of advanced deposits, listed above, refunds for basic fees will be based on the following schedule applicable after the first full class day:

1st through 2nd week	3rd week	4th week	5th week	after 5th week
80%	70%	60%	50%	No Refund

Refund schedule for the summer sessions is published in the Summer Session catalogue.

*Community  
Activities Fee  
Policy  
Revised*

Freshmen or other new incoming students may apply for a full refund (\$60.00) if written application is received by the Student Life Accountant, Community Activities Office, prior to the beginning of the Fall Semester and if one of the following circumstances pertains: withdrawal by the College of the offer of admission; induction into the Armed Forces; illness certified by a physician as preventing enrollment. A partial refund (\$30.00) is granted if written application is received prior to August 1 for the Fall semester and if reasons other than those specified above determine the student's decision not to enroll.

A refund of \$30.00 may be granted if written application is received by the Student Life Accountant, Community Activities Office prior to registration for the Spring semester and if one of the following circumstances pertains: withdrawal by the College of the offer of admission; induction into the Armed Forces; illness certified by a physician as preventing enrollment. If reasons other than those specified above determine the student's decision not to enroll, then a refund will not be granted for the Spring semester.

NOTE: Freshmen or other new incoming students include but are not limited to: first semester freshmen, transfer students, readmits, non-degree or continuing education students enrolling as fulltime undergraduate degree students, and summer freshmen, etc.

A student who has completed at least one semester as a fulltime degree student at the College and who after making advance payment of his Community Activities Fee for a year decides not to return is entitled to a full refund if that student's written request is received by the Student Life Accountant, Community Activities Office, prior to registration of the Fall semester; the student is entitled to a full refund for the second semester if the written request is received prior to registration for the Spring Semester.

If a student voluntarily withdraws during the first half of the Fall semester, half of the Fall semester fee and the entire Spring semester fee may be refunded. If the student withdraws during the first half of the Spring semester, a refund of half of the Spring semester fee may be made. In either case, written application for a refund must be received by the Student Life Accountant before the end of the semester during which the withdrawal occurs.

A student who has been suspended will not be given a refund for the semester involved. All written applications must be received in the Community Activities Office prior to the beginning of the semester following suspension.

All requests for refunds of Summer Community Activities fees must be in writing and received in the Community Activities Office within a five day period immediately following the summer session registration in question.

*Student  
Financial Aid  
Revised*

## Student Financial Aid

All financial aid programs are regulated by the Department of Health, Education, and Welfare; PA Higher Education Assistance Agency; and Bloomsburg State College policy. Accordingly, it is important to understand that a student may lose financial aid by failing to maintain good academic standing each semester as prescribed in the Bloomsburg State College Bulletin under Section 5.05, Page 69.

Financial aid available includes loans, part-time employment, scholarships and grants. The Federal and Commonwealth governments fund most of the programs.

Federal programs include College Work-Study, National Direct Student Loans, the Supplemental Educational Opportunity Grants, and the Basic Educational Opportunity Grants.

Commonwealth programs include the Pennsylvania State Student Employment, the State Guaranty Loans (with Federal subsidy on interest payment for certain income levels), and the Pennsylvania State Grant Program.

The State Guaranty Loans and the State Grants are administered by the Pennsylvania Higher Education Assistance Agency (PHEAA). Information may be obtained from counsellors in high schools or from PHEAA regional representatives. To be eligible for payment for summer school attendance, a student with a PHEAA grant must have earned 12 semester hours during the summer grading period; this requires a full six semester hour load in each of the two six-weeks terms of the grading period.

Limited financial assistance is available through the Bloomsburg State College Alumni Association Loan Program and the

Bloomsburg State College Scholarships.

Interest-free emergency student loans of \$25 or less for a maximum of 30 days are available. Application is made at the Community Activities Office.

Students who wish to take advantage of financial assistance must file a Financial Aid Form with the College through the College Scholarship Service, Box 176, Princeton, New Jersey 08540. High school counsellors can help students find information concerning this statement.

Further information concerning financial aid opportunities may be obtained from the Director of Financial Aid at Bloomsburg State College.

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REVISION

DESCRIPTION

Page 44

*Student Housing  
General Rules  
Revised*

The College reserves the right to assign rooms and roommates in residence halls. Students' housing preferences are considered whenever possible.

Housing and food services are provided only on a combined basis for students living in residence halls. Housing and food service contracts are binding until the end of the academic year and may not be transferred or assigned.

Freshmen men and women are required to reside on campus or commute from home unless extenuating circumstances justify other housing arrangements. Freshmen wishing to request a waiver of the residency or commuting requirements must contact the Director of Housing for special permission.

Although transfer students may indicate housing preferences, on-campus housing is not guaranteed. Transfers who wish

to live in the campus residence halls or pursue off-campus housing opportunities should contact the Director of Housing upon acceptance.

Upperclass resident students may live on campus as long as they satisfy the residence hall eligibility requirements. At present, any resident student who has earned 59 credit hours or less at the completion of any fall semester is eligible to participate in the room lottery for the following academic year. For all practical purposes, this policy excludes students from living on campus during their senior year. This eligibility requirement is subject to revision to keep pace with ever-changing student and institutional needs.

The residence halls are described in section 1.5, Buildings.

Details about residence hall rules and regulations are printed in the Pilot, residence hall manuals, the Terms and Conditions of Occupancy, and other housing literature.

All off-campus residences fall within the category of “independent” student housing. This designation means that the College does not approve or recommend residences off campus. Student off-campus housing is subject to inspection by officials of the town of Bloomsburg and residences with four or more students must also meet the standards of the Pennsylvania Department of Labor and Industry.

The college Housing Office serves as a referral agency, collecting data on off-campus housing opportunities, preparing housing directories, and providing other useful information to student/faculty tenants and their landlords. Before any rental property is accepted for publication in the college off-campus

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*Residence Halls*

Page 45

*Off-Campus  
Housing  
Completely  
Revised*

housing directory, the owner must submit his/her premises to an annual inspection by the town building code inspector and must sign a statement pledging not to practice illegal discrimination in the rental of the property.

As the Housing Office does not assign students to off-campus residences, the student must rely on his/her own initiative in finding suitable off-campus accommodations. Any off-campus negotiations are the sole responsibility of the student and the landlord. However, should any difficulties arise in off-campus housing or with a landlord, the Director of Housing will gladly advise students on methods of resolving such problems. In some cases, the Director of Housing will mediate student-landlord disputes if such involvement is deemed appropriate, but only on an informal, nonlegal basis.

Students planning to live off campus should have a clear understanding of their rights and responsibilities as tenants. To help students become more knowledgeable tenants, the Housing Office prepares information on topics of interest to off campus renters. Brochures and pamphlets are available on such subjects as security deposits, leases, discrimination, food stamps, nutrition, fire safety in the home, model rental contracts, home repairs and energy conservation. Street maps of the town of Bloomsburg, pre-occupancy checklists, office copies of the local housing code and Pennsylvania Department of Labor and Industry regulations, and articles on reading and understanding leases are also available to interested students. Upon request, the Director of Housing will help student renters conduct pre and post-occupancy inventories of their apartments/rooms or serve as an impartial observer for alleged violations of the building code or other ordinances.

Off-campus students are advised to obtain insurance pro-

*Student  
Organizations  
and Activities  
Revised*

tection for their belongings, since most landlords do not assume liability for loss of, or damage to, the personal property of their tenants.

Students residing off campus bear a dual responsibility as citizens of the town of Bloomsburg and as members of the college community. The college cannot provide sanctuary from the law nor can it be indifferent to its reputation in the community it serves.

STUDENT ORGANIZATIONS AND ACTIVITIES

Students are encouraged to take part in at least one extra-curricular activity per semester. The approved student organizations are:

Amateur Radio Club	Inter-Varsity Christian Fellowship
American Chemical Society	International Relations Club
The American Society for Personnel Administration	* Junior Class
Association for Childhood Education International	Karate Club
* Association of Resident Men	Le Cercle Francais
* Association of Women Students	Luzerne Hall
Biology Club	Madrigal Singers
Bloomsburg Players	Campus Voice
BSC Student Art Association	Maroon and Gold Band
Cheerleaders	Mathematics Club
Chess Club	Montour Residence Hall
Circuolo Italians Club	Music Educators National Conference
College Community Orchestra	Newman Student Association
Circle K	Obiter



CATALOGUE  
PAGE

REVISION

College Union Program Board	Off-Campus Students Association
* College Union Governing Board	Olympian
* Community Government Association	Orthodox Christian Fellowship
* Commuters Association	Outing Club
* Commonwealth Association of Students	Phi Beta Lambda
Concert Choir	Philosophy Club
	Physics Club

DESCRIPTION

Council for Exceptional Children	Psychology Association
Earth Science Club	Radio Station
Economics Club	Russian Club
Fellowship of Christian Athletes	Sailing Club
Fiddlers Green	* Senior Class
Forensic Society	Ski Club
* Freshman Class	* Sophomore Class
German Club	Sociology Club
Horticultural Club	Spanish Club
Humanities Club	Student Speech & Hearing Association
Husky Singers	Student PSEA
	Studio Band

\* These organizations serve large constituencies.

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Students International Mediation Society  
Student Nursing Association  
Table Tennis Club

Third World Culture Society  
 Veterans Association  
 The Way, Campus Outreach  
 Weightlifting Club  
 Women's Choral Ensemble  
 Women's Recreation Association  
 Young Democrats  
 Young Republicans  
 Youth C.A.R.C.

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*Professional and  
 Honorary Societies  
 Fraternities and  
 Sororities  
 Revised*

Alpha Phi Gamma	Phi Kappa Phi
Alpha Psi Omega	Phi Sigma Pi
Delta Mu Delta	Phi Alpha Theta
Delta Phi Alpha	Pi Kappa Delta
Gamma Theta Upsilon	Pi Omega Pi
Kappa Delta Pi	Psi Chi
Kappa Kappa Psi	Sigma Tau Delta
Kappa Mu Epsilon	Tau Beta Sigma
Omicron Delta Epsilon	

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*Social Fraternities  
 and Sororities  
 Revised*

The Inter-Fraternity Council (IFC) serves as the governing body of the nine social fraternities, and coordinates rushing, pledging, and programming. The fraternities, with dates of organization, are:

Beta Sigma Delta	1966	
Delta Omega Chi	1965	
Delta Pi	1967	
Kappa Alpha Psi	Probationary	
Lambda Chi Alpha	1967	national September 1970
Phi Sigma Xi	1966	

Sigma Iota Omega	1964	
Tau Kappa Epsilon	Probationary	
Zeta Psi	1966	national September 1969

The Inter-Sorority Council (ISC) is composed of representatives of the seven social sororities. The Council coordinates the rushing and pledging activities and endeavors to enhance friendship and social relations between sororities and individual women. The group consists of:

Alpha Kappa Alpha	Probationary	
Chi Sigma Rho	1967	
Delta Epsilon Beta	1966	
Phi Iota Chi	1974	
Sigma Sigma Sigma	1967	national November 1971
Tau Sigma Pi	1967	
Theta Tau Omega	1968	

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*Service Fraternities  
and Sororities  
Revision*

These organizations are dedicated to providing service to the campus and community at large. Alpha Phi Omega (1963) is open to any second semester freshman male with a 2.0 or higher average. Lambda Alpha Mu (1964) is open to any second semester freshman woman with a 2.0 or higher cumulative average.

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*Student Insurance  
Change*

A health insurance plan for undergraduate and graduate students who wish to participate on a voluntary basis is being negotiated. Further information will be provided and a brochure concerning the plan will be available at the Health Center in the Kehr Union Building.

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*Banking  
Addition*

A full service branch of the Bloomsburg Bank-Columbia Trust Co. is located on the ground floor of the Kehr Union Building. The services available to faculty, staff, and students include conventional checking and savings accounts, money orders and Treasurer's checks, Christmas clubs, Vacation clubs, Traveler's checks, repayment of loans and handling P.P.&L. and Pa. Gas & Water Co. bills.

The hours are as follows: Monday and Tuesday: 10:00 a.m. to 4:00 p.m.; Wednesday: 9:30 a.m. to 11:30 a.m. and 1:00 p.m. to 4:00 p.m.; Thursday: 10:00 a.m. to 4:00 p.m.; and Friday: 10:00 a.m. to 8:00 p.m. Closed weekends.

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*College Store  
Hours changed*

The College Store sells books and supplies needed during the year; it is open from 8:00 a.m. to 7:55 p.m. on Monday, 8:00 a.m. until 4:30 p.m. on Tuesday through Friday and from 8:30 a.m. until noon on Saturday.

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*Veteran's Office  
Revision*

An office for veterans is maintained in Benjamin Franklin Building by veterans who are full time students to assist veterans with personal problems, especially those related to housing, employment, health, recreation, vocational and technical training and financial assistance, and to provide liaison with other administrative offices. The Office of Veteran's Affairs is under the direction of The School of Extended Programs. Required reports to the Veteran's Administration are sent from the Registrar's Office.

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*Career Development  
Addition*

There is a Career Development Course offered by the Education Services Department. The Center works closely with the department to assist those who are seeking an understanding of career choice process.

A program of outdoor pursuits in education has been developed under the title QUEST. Its activities aim to encourage characteristics such as responsibility, leadership, self-confidence, trust, loyalty, initiative, self-discipline, and sensitivity through personal experiences in field trips, field study, and certain types of experiential education away from campus. Certain of the experiences may be designed to permit cooperating departments to offer academic credit to students who participate. Participation is not confined to college students, but may include faculty and other individuals from a wide range of ages.

The actual activities offered to accomplish the QUEST objectives are: rock climbing, backpacking, canoeing, sky diving, hang gliding, rafting, bicycling, cross country skiing, along with exposures to new cultures within our society. Equipment for most of the activities is available at no cost to the participants. There is also a special five-day outdoor experience offered to all incoming freshmen students in conjunction with their summer orientation program which is called "Up Reach."

Change title from International Students to International Education

Students may participate in a variety of study abroad programs during their enrollment at Bloomsburg State College. Each summer the college offers courses for credit in foreign countries, such as France, England, Spain, Ireland, and the Soviet Union. As a member of the Pennsylvania Consortium for International Education, Bloomsburg also offers summer courses in Salzburg, Austria and Mexico, in cooperation with the other 13 state colleges and university. Through the Pennsylvania Consortium for International Education, the college also makes arrange-

ments for Junior Year Abroad programs or Semester Abroad programs. Information about these programs may be obtained in the Office of International Education.

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4.13

Students in teacher education programs may be assigned to do their student teaching in one of the centers abroad with which Bloomsburg cooperates: in Quito, Ecuador; Recife, Brazil; or Liverpool, England. Further information about this program may be obtained in the Office of International Education.

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*General Education  
Policy Revised*

## GENERAL EDUCATION REQUIREMENTS

(Revised and Effective)  
9/15/76

The primary objective of General Education is to encourage in students, irrespective of their vocational pursuits, the development of those understandings, attitudes, values, and social skills that will enable them to enjoy a fuller life and to play a more constructive role in society.

The pattern of general education outlined above reflects a belief that a college must attempt to insure that the standards of an educated person in reading and writing have been attained, and should require the student to have experiences in the three recognized broad areas of knowledge: the humanities for their insights concerning intellectual and ethical values, the social sciences for enlightenment basic to understanding problems of society, and the sciences and mathematics for mature appreciation

of the contribution of these branches of knowledge in determining the nature of an industrial-technical society.

Prescription of general education courses has been set at a minimum in order to give each student, with the help of an advisor, the opportunity to survey his previous background and choose new intellectual experiences that provide opportunity for optimum growth. This policy places important responsibility upon the student for discrimination in making decisions.

General Education courses should be those which contribute to the broadening and rounding of our students' education in line with the stated philosophy of General Education.

Each college department will re-list General Education courses subject to appropriate review.

(General Education courses should not be those which were designed primarily for majors in a discipline or by methods and material courses.)

#### I. Required Courses:

English Composition 101 and 102 3-6 S.H.

or

English Composition 104

Physical Education (Activity courses only with 4 S.H.  
a minimal competency in swimming.)

#### II. Special Electives

This requirement is fulfilled by taking an indicated number of semester hours from each of the three groups, with at least two of the disciplines of each group represented. The

student's major discipline may not be included in the general education requirement. Students with double majors must adhere to this policy for only one of the disciplines.

Group A	Group B	Group C
Humanities and the Arts	Social/Behavioral Sciences	Natural Sciences and Mathematics
Art	Economics	Biology
English	Geography	Chemistry
Foreign Languages	Political Science	Mathematics
History	Psychology	Physics
Music	Sociology	Earth Sciences
Philosophy	Anthropology	
Speech Communication and Theatre Arts		
15 S.H.	12 S.H.	12 S.H.

### III. Additional Electives

Nine-twelve (9-12) semester hours of general education electives may be selected from any of the disciplines listed under Special Electives and/or from business, education, and health and physical education (excluding activities courses).

**Total Hours 58**

Note — All general education courses must be chosen from the general education courses list provided by the Office of the Vice President for Academic Affairs. Only those courses



CATALOGUE PAGE	REVISION	DESCRIPTION
Page 80	<i>New Course</i>	<p>listed can be used to complete the General Education Requirement.</p> <p><b>05.110 Varsity Golf</b> (Approved 2/24/77) 1 Credit Hour</p> <p>An opportunity for the more skilled individual to participate on the inter-collegiate level, and enhance the overall development of the person via the experiences encountered sociologically and psychologically.</p>
Page 81	<i>05.246 Delete</i>	<b>05.246 Delete</b> — Beginning Scuba Diving (Approved 4/22/77)
Page 81	<i>New Course</i>	<p><b>05.247 Rock Climbing</b> (Approved 5/2/77) 1 Semester Hour</p> <p>For the beginning rock climbing enthusiast with basic knowledge, skills, and practical application of it in actual rock climbing experiences. This will serve as a foundation for further experiences in this area of recreation.</p>
Page 81	<i>New Course</i>	<p><b>05.249 Synchronized Swimming</b> (Approved 5/2/77) 1 Semester Hour</p> <p>Designed to give students a basic background in the fundamental skills, strokes and movement progressions involved in developing a basic routine.</p>
Page 82	<i>05.270</i>	Change contact hours for <b>05.270 Exercise and You</b> to 3 contact hours. (Approved 11/29/76)

Page 82	<i>New Course</i>	05.271 Intermediate Archery (Approved 7/12/76) 1 Semester Hour To provide the opportunity for the student to develop shooting skills to the best of his own ability.
Page 82	<i>New Course</i>	05.272 Intermediate Bowling (Approved 7/12/76) 1 Semester Hour This course is intended to develop advanced skill and knowledge of bowling.
Page 82	<i>New Course</i>	05.273 Intermediate Golf (Approved 7/12/76) 1 Semester Hour Instruction in the techniques and strategy involved in improving the individual skills of the student.
Page 82	<i>New Course</i>	05.274 Intermediate Tennis (Approved 7/12/76) 1 Semester Hour To improve the tennis skills of each individual.
Page 82	<i>New Course</i>	05.275 Power Volleyball (Approved 7/12/76) 1 Semester Hour This intermediate level course is mostly participation and will include the development and history of volleyball along with the improvement of fundamental skills, team play, and strategy.
Page 83	05.332 <i>Delete</i>	05.332 Delete — <b>Foundations of Leisure and Recreation</b> (Approved 4/22/77)

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Page 83	<i>05.334 Delete</i>	05.334 Delete — Recreation Program and Staff Development (Approved 4/22/77)
Page 87	<i>New Course</i>	10.205 Commercial French (Approved 11/29/76) 3 Semester Hours  A one semester course to introduce students to French business language, terminology, and economic life. Prerequisite: French 10.104 or equivalent.
Page 93	<i>New Course</i>	12.203 Commercial Spanish (Approved 5/17/77) 3 Semester Hours  For students enrolled in business administration. The course is designed to acquaint students with the basic skills in Spanish trade correspondence and commercial reading. Special emphasis is placed on the writing of business letters, vocabulary, and commercial idioms. An elementary knowledge of commercial life and methods is also stressed.
Page 96	<i>New Course</i>	14.103 Intermediate Italian I 14.104 Intermediate Italian II (Approved 11/19/76) 3 Semester Hours  For students who have successfully completed Italian 102 or who have equivalent high school background. A review of basic grammar is presented accompanied by a deeper investigation into the grammatical principles. A balanced program is presented for the development of the four language skills: speaking, oral comprehension, reading, and writing.

A supplementary reading text is incorporated into the course; and weekly language lab sessions are obligatory.  
Italian I Prerequisite: 14.102 or equivalent  
Italian II Prerequisite: 14.103 or equivalent

Page 102	20.411 <i>Title Change</i>	20.411 Title Change from Generative Transformational Grammar to Modern Linguistic Theory (Approved 3/11/77)
Page 103	<i>New Course</i>	25.104 Interpersonal Speech/Communication (Approved 4/30/76) 3 Semester Hours  An analysis of rhetorical situations that emphasize an intimate setting for developing interpersonal speech/communication.
Page 109	<i>New Course</i>	30.303 Crafts for Special Education (Approved 6/8/76) 3 Semester Hours  Laboratory experiences with crafts activities applicable for all levels of the exceptional child with emphasis and correlation for the total special education program.
Page 111	32.275	Insert a dagger after 32.275 Crafts.
Page 114	<i>New Course</i>	32.396 Independent Study in Art Media II (Approved 7/12/76) 1-6 Semester Hours  Individualized production in the plastic arts not covered by the other studio course offerings and in-depth explorations, innovative uses and applications of selected art media. Course may be repeated more than once with the instructors consent.

- Page 125 *New Course* 41.497 **Internship in Urban/Regional Planning** (Approved 7/12/76) 12 Semester Hours
- It involves the placement of a student who is enrolled in the course of study in Urban/Regional Planning into a planning office for one semester, during which time the student will be actively involved in the functions and activities of that planning office.
- Page 125 *New Course* 41.498 **Urban/Regional Design** (Approved 11/29/76) 3 Semester Hours
- To be taken in coordination with the internship in Urban/Regional Planning. The course provides an opportunity for reporting and analyzing experiences in internship. It also integrates and utilizes practice in the development of land use plans for urban/regional development.
- Page 126 *New Course* 42.100 **Trans-Atlantic World in the 20th Century** (Approved 12/12/76) 3 Semester Hours
- The course utilizes both thematic and interdisciplinary approaches to the examination of the trans-Atlantic World. The Americas and the countries of Western Europe are integrated through discussions which take into consideration the social, political, economic and intellectual developments of these areas of the western world. Paramount emphasis is placed on the inter-connectedness of the twentieth century experiences of these nations.

CATALOGUE PAGE	REVISION	DESCRIPTION
Page 118	<i>New Course</i>	35.351 Piano Teachers Seminar (Approved 2/11/77) 3 Semester Hours Course designed for experienced pianists.
Page 118	<i>New Course</i>	35.352 Seminar in Vocal Literature and Techniques (Approved 2/11/77) 3 Semester Hours A course that enables experienced vocalists to examine the physical mechanism of the singing voices, the classical vocal literature, and the application of physiology and psychology in the study of singing.
Page 119	<i>Chairperson</i>	Woo Bong Lee, Chairperson, Economics Department
Page 125	<i>New Course</i>	41.350 Advanced Planning (Approved 7/21/76) 3 Semester Hours This course is considered an integral part of the Urban and Regional Planning concentration offered by the Department of Geography and Earth Science. This course will deal principally with the processes of analysis and implementation of planning programs, incorporating skills and techniques that are utilized in these processes.
Page 125	<i>New Course</i>	41.370 Rural Settlement and Land Use (Approved 10/30/76) 3 Semester Hours Investigate the major patterns of rural settlement and land use and the process involved in explaining the changing American rural landscape.

CATALOGUE PAGE	REVISION	DESCRIPTION
Page 127	<i>New Course</i>	<p><b>42.281 Military History I</b> (Approved 3/28/77) 3 credit Hours</p> <p>A study of organized warfare from its origins to the last campaign of Napoleon I. While concentrating on strategy and tactics, the course also will examine moral and social problems raised by warfare.</p>
Page 127	<i>New Course</i>	<p><b>42.282 Military History II</b> (Approved 3/28/77) 3 credit Hours</p> <p>A study of organized warfare and the theory of war from the Napoleonic age to the present. Concentrating on strategy and tactics, this course still examines the socio-political background, especially of the two world wars and the age of the guerilla.</p>
Page 128	<i>New Course</i>	<p><b>42.354 The Rise of Modern China to Mao Tse-Tung</b> (Approved 1/20/76) 3 Semester Hours</p> <p>A history of China from the coming of the West to the present. The main thread of the course is an analysis of China's strategy for survival under the impact of foreign ideologies and economics. Special attention will be paid to the rise to power of Mao Tse-Tung and his policies.</p>
Page 132	<i>New Course</i>	<p><b>44.110 Learning Politics through Science Fiction</b> (Approved 3/28/77) 3 credits</p> <p>Using science fiction novels, films and short stories to teach an introductory course dealing with continuing political concepts and problems in the discipline.</p>

Page 132	<i>New Course</i>	<p>44.171 <b>Comparing States and Nations</b> (Approved 1/24/77)</p> <p>An introduction to the procedures of comparative government with emphasis on research methodologies and interpretation of research results. This course will be world-wide rather than regional in scope.</p>
Page 133	<i>New Course</i>	<p>44.323 <b>Politics and Psychology</b> (Approved 8/13/76) 3 Semester Hours</p> <p>This course seeks to describe, explain and analyze topics in personality and social psychology that seem relevant in understanding political behavior. It seeks to explore the question: "What are the relationships between a man's personality, his psychological make-up and the way he behaves politically?" Moreover, it will try to show students how to think about psychology and politics, what kinds of evidence to gather and how to gather that evidence in a scientific way.</p>
Page 133	44.356 <i>Delete</i>	44.356 <b>Delete — Environment and Politics</b> (Approved 2/11/77)
Page 133	44.368 <i>Delete</i>	44.368 <b>Delete — Political Systems-Latin America</b> (Approved 4/22/77)
Page 134	<i>New Course</i>	<p>44.372 <b>Government and Politics of the Middle East</b> (Approved 10/27/76) 3 Semester Hours</p> <p>This is a three credit course that seeks to present and analyze the politics of the Middle East as a coherent system for regional politics of particular states within the Middle East. The course also will focus on the conflict between Arabs and Israelis and the international complications of that conflict.</p>



CATALOGUE  
PAGE

REVISION

DESCRIPTION

Page 134

*New Course*

44.412 Scope, Approaches and Methods of Political Science  
(Approved 10/25/76) 3 Semester Hours

This course seeks to explain and analyze the various approaches and methods currently in use in political science as well as to indicate the range and develop the logic of that discipline. Specifically it studies: the scope and nature of political science; the meaning and nature of facts, concepts and constructive "laws", explanation, and theory, the problem of values in political science; various approaches such as functionalism, systems' theory, power theories, groups and roles, etc., and methods of research.

Page 134

44.418  
*Delete*

44.418 Delete — Computer Applications in Political Science  
(Approved 2/11/77)

Page 134

44.429  
*Title and  
Description  
Change*

**Title Change:** 44.429 From Black Politics to Racism and Sexism in American Politics (Approved 3/28/77)

A study of the role of blacks and women in American politics. The course will trace briefly the historical background leading to their position today. It will relate these problems to each of the three branches of government, political parties, and pressure groups.

Page 135

44.446  
*New Course*

Change title of 44.446 Constitutional Law to Constitutional Law I (Approved 10/19/76) 3 Semester Hours

An analysis of the evolution, structure, and function of the Supreme Court concentrating on governmental relationships including: powers of the judicial, legislative, and

executive branches; the division of powers between the national government and the states; taxing, commerce, and war powers. (No prerequisites)

Page 135	<i>New Course</i>	44.447	Constitutional Law II (Approved 10/19/76) 3 Semester Hours	A study of the decisions of the Supreme Court as they related to the individual and the government concentrating on: nationalization of the Bill of Rights; rights of persons accused of crimes; equal protection and voting rights. (No prerequisites)
Page 135	<i>New Course</i>	44.456	Public Policy (Approved 2/11/77) 3 Semester Hours	It will cover all aspects of public policy including those related to the environment. It will include formation and adoption, implementation, impact and outcome, and evaluation and analysis.
Page 135	<i>New Course</i>	44.457	Political Economy (Approved 2/11/77) 3 Semester Hours	A course designed primarily for political science majors dealing with political markets, currency and resource flow, exchange, bargaining, inflation and deflation, and resource accumulation.
Page 136	<i>Chairperson</i>		James H. Huber, Chairperson, Sociology Department	
Page 140	<i>New Course</i>	45.490	Sociology of Aging (Approved 6/8/76) 3 Semester Hours	

CATALOGUE  
PAGE

REVISION

DESCRIPTION

		<p>This course serves as general introduction to the field of aging. Gerontology is a field of study and practice which concerns itself with the process of aging and their consequences. The aged in America constitute a segment of the population now demanding more attention than ever in their sociological environment.</p>
Page 141	<p>46.340 <i>Title Change</i></p>	46.340 Title Change from Prehistory and Ethnography of North America to <b>North American Indians</b>
Page 141	<p><i>New Course</i></p>	<p>46.405 Primates (Approved 5/24/76) 3 Semester Hours</p> <p>The study of the various phenomena affecting primate behavior: ecology, social life, and socio-cultural adaption, with emphasis on the development of socio-biological traits relating to human origins. Prerequisite: 46.100 and 50.210</p>
Page 142	<p>46.490 <i>Title Change</i></p>	46.490 Title Change from Socialization of the Child in Primitive Society to <b>Socialization of the Child</b> (Approved 11/29/76)
Page 143	<p><i>Chairperson</i></p>	John S. Baird, Chairperson, Psychology Department
Page 144	<p>48.351 <i>Number Change</i></p>	Number change from 48.351 to 48.251 <b>Social Psychology</b> (Approved 4/13/77)
Page 145	<p>48.376 <i>Title Change</i></p>	48.376 Title Change from Principles of Applied Learning to Principles of Behavior Modification (Approved 10/30/76)

The Bachelor of Science degree in Computer and Information Science (CIS) is offered jointly by the Department of Mathematics and the School of Business. Hence the resources of the college are combined to provide for students wishing a computer major.

Degree:

The degree, Bachelor of Science in Computer and Information Science (CIS) will be conferred upon successful completion of the Computer and Information Science curriculum.

Objectives:

The first objective of the program is to provide a broad educational base for intelligent citizenship. The core courses required will likewise provide a breadth of knowledge in the computer and information processing field. More specifically each student majoring in the program will be able to select courses, with the guidance of an advisor, which will accomplish one or more of the following purposes:

- (a) Prepare the graduate for positions in the computer industry.
- (b) Provide specific, marketable skills in business and scientific computing applications.
- (c) Prepare the graduate for further study in graduate programs in computer-related fields.

Page 147	<i>Arts and Sciences major for the B.A. Degree in Biology</i>	Language requirement — 6 to 8 semester hours in one of the following languages or thereupon passing a proficiency examination: German, French, Russian or Spanish.
Page 147	<i>New Course</i>	<b>50.107 Medical Terminology</b> (Approved 1/24/77) 1 credit 1 clock hour Medical Terminology is vital to students in the health sciences and medical technology.
Page 149	<i>Course 50.352</i>	<b>50.352 Field Zoology</b> Prerequisite: 50.210 or consent of the instructor. This course does count toward a Biology Major.
Page 151	<i>50.372 Hours Change</i>	<b>50.372 Plant Physiology</b> (Approved 10/30/76) Change in hours from 5 to 3
Page 154	<i>New Course</i>	<b>51.370 Hydrology</b> (Approved 7/12/76) 3 Semester Hours A course designed to introduce students to the principles and techniques of hydrology. The course will stress the practical aspects of hydrology and include appreciable amounts of time in the field.
Page 154	<i>Chairperson</i>	Roy D. Pointer, Chairperson, Chemistry Department
Page 155	<i>52.108 Hours Change</i>	<b>52.108 Physiological Chemistry</b> — Change in clock hours from 3 to 4
Page 157	<i>Mathematics New Degree Program</i>	Arts and Sciences major for B.S. Degree in Computer and Information Science

COMPUTER AND INFORMATION SCIENCE

General Information:

In addition to opportunities for CIS majors, the program provides introductory courses for the general education of all students; specialized courses concerned with particular application of the computer to specific disciplines are also available.

#### Curriculum Requirements:

The curriculum in Computer and Information Science requires the successful completion of six sets of courses:

- A. General Education (See Section 6.3)
- B. Required Core Courses: 92.250, 252, 256, 350, 452; 93.271.
- C. Required Supporting Core Courses: 25.103; either 53.125 and 53.126; or 53.118 and 123; 91.221; 40.221; and either 53.241 or 53.141.
- D. Restricted Electives: Fifteen semester hours chosen from the following: 92.254, 352, 354, 356, 358, 456; 53.371, 373, 381, 471, 472, 492; 90.431.
- E. Restricted Related Electives: Fifteen semester hours chosen from the following: 53.212, 225, 226, 322, 341, 421, 422; 90.331; 91.222, 323; 93.344, 345, 445; 40.212.
- F. Free Electives as required to meet the total 128 sem. hr. graduation requirement.

CATALOGUE PAGE	REVISION	DESCRIPTION
Page 159	53.212 <i>Number Change</i>	Number change from 53.212 Linear Algebra to 53.315 Linear Algebra to reflect the prerequisite 53.225 (Approved 10/1/76)
Page 160	53.281 <i>Title, Number and Description Change</i>	Change title, number, and description of 53.281 Mathematical Models with Application to 53.381 Introduction to Operations Research. (Approved 10/21/76)  A survey of the methods and models used in applying mathematics to problems of Business. Topics to be drawn from decision making, linear and dynamic programming, networks, inventory models, Markov processes, and queuing theory.
Page 161	<i>New Course</i>	53.373 Numerical Methods in Computing (Approved 10/1/76) 3 Semester Hours  Study of various algorithms for the solution of nonlinear equations; the solution of simultaneous equations; interpolation of data; numerical integration; graph theory; and linear programming. The student will execute most of the algorithms using the computer. Prerequisites: 53.171 or 53.172, 53.118 and 53.123 or 53.126 or 53.225.
Page 163	<i>New Course</i>	54.105 Energy: Sources and Environmental Effects (Approved 9/13/76) 3 Semester Hours  The course is a primer in the problems of energy sources

utilization, and environmental effects in a technological society. It will include a review of circumstances leading to the present crises, a survey of the major sources of energy (petroleum, coal, nuclear fuels) including reserves, utilization in industry, transportation, production of electricity and their effects on the environment. Supplemental sources such as hydroelectric, wind, solar, geothermal and others will also be reviewed in terms of their technological state and promise for the future.

Page 163

*54.107  
Title Change*

54.107 Title Change from Applied Physics for Medical Technologists to Applied Physics for Health Services (Approved 11/9/76)

Page 164

*New Course*

54.400 Advanced Physics Laboratory (Approved 11/29/76)  
4 Contact Hours, 2 Semester Hours

The course will deal with the basic tenets of lab work in physics, involving considerations of experimental error, proper research and preparation for an experiment, and experimental design. Experiments primarily from the areas of atomic physics, electricity and magnetism, and optics will be performed.

(Replaces lab portions of 54.310, 54.314 and 54.318)

Page 170

*Student  
Teaching  
Centers  
Addendum*

It may be possible for students in teacher education programs to be assigned to do their student teaching in one of the centers abroad with which Bloomsburg cooperates: Quito, Ecuador; Recife, Brazil; or Liverpool, England. Further information about this program may be obtained in the Office of International Education.



CATALOGUE  
PAGE

REVISION

DESCRIPTION

Page 170 *Curriculum Coordinator* William O'Bruba, Elementary and Early Childhood Curriculum Coordinator

Page 171 *C. Professional Education and Elementary Specialization Revised list of courses for Education and Electives*

EDUCATION  
(required)

60.393 Social Foundations of Education or 60.341 Education in an Urban Society

35.311 Music in the Elementary School

05.311 Methods and Materials in Physical Education

48.321 Psychological Tests and Measures or 60.311 Educational Measurements

62.371 Teaching of Reading

62.373 Diagnostic and Remedial Reading or 62.375 Reading for the Socially Disadvantaged Child

62.302 Methods and Materials in Elementary School Science

62.398 Methods and Materials in Elementary Mathematics

62.395 Curriculum and Instruction

62.301 Education Media

62.401 Student Teaching in Elementary and Early Childhood Education

62.411 Professional Seminar: Elementary and Early Childhood Education

ELECTIVE

(Nine semester hours must be elected from the following courses)

*C. Professional  
Education and  
Early Childhood  
Education  
Specialization  
Revised list of  
courses for  
Education and  
Electives*

- 62.304 Practical Procedures and Practices in Environmental Education for the Elementary School Teacher
  - 62.310 Fine Arts in Elementary Education
  - 62.321 Introduction to Early Childhood Education
  - 62.322 Seminar in Learning Experiences with Young Children
  - 62.376 Language Experiences for Children
  - 62.389 Individualizing Instruction Activities in the Elementary School
  - 62.480 A Study of Discipline in the Elementary School
  - 20.351 Literature for Children
  - 25.318 Creative Dramatics
  - 25.319 Children's Theatre
  - 05.320 Health and Safety in the Elementary School
- N-K-3 (Early Childhood Certification)  
EDUCATION (Required)
- 60.393 Social Foundations of Education or 60.341 Education in an Urban Society
  - 60.301 Education Media
  - 62.303 Methods and Materials in Elementary Science N,K-3
  - 62.321 Introduction to Early Childhood Education
  - 62.322 Seminar in Learning Experiences with Young Children
  - 62.371 Teaching of Reading (Early Childhood Section)
  - 62.373 Diagnostic and Remedial Reading (Early Childhood Section)
  - 62.433 Communicative Arts in Early Childhood
  - 62.432 Social Studies in the Elementary School
  - 62.396 Mathematics for the Young Child

- 62.401 Student Teaching in Elementary and Early Childhood Education  
62.411 Professional Seminar: Elementary and Early Childhood Education

ELECTIVES

(15 semester hours must be elected from the following courses:)

- 20.351 Literature for Children  
25.318 Creative Dramatics  
26.319 Children's Theatre  
32.275 General Crafts  
35.242 Class Piano I  
35.311 Music in the Elementary School  
48.321 Psychological Tests and Measures or 60.311 Educational Measurements  
45.336 Child Welfare  
62.375 Reading for the Socially Disadvantaged Child  
62.376 Language Experiences for Children  
62.389 Individualizing Instruction Activities in the Elementary School  
70.201 Education of Exceptional Children  
62.310 Fine Arts in Elementary Education  
62.480 A Study of Discipline in the Elementary School  
05.311 Methods and Materials in Elementary Physical Education  
30.305 Children's Art

Page 176	<i>Core Courses History Addendum</i>	Add — or 42.223
Page 176 & 177	<i>History Curriculum Change</i>	Delete History Board Approach and Concentrated Approach and add History (Approved 5/11/77)  21 credit hours in history with at least 18 credit hours in 300 or 400 level courses. Included in the 21 credit hours are History 42.398, a minimum of one course from each of the following groups: Non-western World, Europe, and United States, and 9 credit hours of history electives. In addition, from free electives at least 6 credit hours in social science courses apart from history.
Page 189	<i>Chairperson</i>	William O'Bruba, Chairperson, Elementary Education
Page 190	<i>New Course</i>	62.310 The Fine Arts in Elementary Education (Approved 1/26/77) 3 Semester Hours  Designed to provide competencies in the selection and implementation of materials and procedures for teaching the literary, visual, and performing arts to elementary school children. Emphasis is placed on the comprehension and integration of the fine arts into all areas of the school curriculum.
Page 190	<i>New Course</i>	62.304 Practical Procedures and Practices in Environmental Education for the Elementary School Teacher (Approved 4/21/76) 3 Semester Hours

CATALOGUE  
PAGE

REVISION

DESCRIPTION

Page 191	62.396 <i>Prerequisites</i>	<p>An introduction to learning experiences in environmental education appropriate for the elementary school level. Ways to incorporate the topic, both as a separate subject and integrated with other areas of the curriculum, are included. Camping and a fee are required.</p> <p><b>62.396 Mathematics for the Young Child</b> (Approved 11/17/76) 3 Semester Hours</p>
Page 191	<i>New Course</i>	<p>An activities-centered course designed for the teachers of children from birth to age 9. Prerequisites: 53.201 and 53.202 are recommended</p> <p><b>62.401 Student Teaching in Elementary and Early Childhood Education</b> (Approved 2/11/77) 12 Semester Hours</p> <p>Scheduled on a full semester basis with a minimum of 30 hours per week. Opportunities for direct participating experiences are provided. Students are placed in classrooms with carefully selected cooperating teachers. The major(s) of the students determine one of the following assignments:</p> <p><b>K-6</b> One experience in a primary division and one experience in an intermediate division of a public school.</p> <p><b>N-K-3</b> One experience in a preschool situation and one in a primary division of a public school or two experiences in a primary division of a public school.</p>

		K-6 & N-K-3 (Dual Major)	One experience in a preschool situation or primary division of a public school and one experience in an intermediate division.
Page 192	<i>62.411 New Title</i>	62.411	Title Change from Professional Practicum Seminar in Elementary Education to Professional Seminar: Elementary and Early Childhood Education (Approved 2/11/77)
Page 192	<i>New Course</i>	62.433	Communicative Arts in Early Childhood (Approved 4/18/77) 3 Semester Hours  Methods, materials and practices in the language arts for prospective teachers who will be certified to teach from the nursery years through grade three.
Page 192	<i>New Course</i>	62.480	Study of Discipline in the Elementary School (Approved 1/24/77) 3 Semester Hours  A course designed specifically for prospective elementary teachers of junior level and above which emphasizes techniques designed to modify behavior in a positive way and the changing of wrong associations. This course may also be elected by teachers-in-service desiring to update and improve their skills of classroom control.
Page 200	<i>New Course</i>	74.205	Prerequisites to Instructional Methods for the Hearing Impaired (Approved 12/14/76) 3 Semester Hours

CATALOGUE  
PAGE

REVISION

DESCRIPTION

		<p>This course introduced students to the design of instructional procedures and methods of implementing curriculums for education of the hearing impaired. Traditional and innovative approaches to teaching are discussed and demonstrated.</p>
Page 202	74.467	74.467 Title Change from Psychology of Speech and Hearing to Applied Behavior Analysis in Speech and Language Therapy (Approved 12/12/76)
Page 205	82.401 <i>Change Credits</i>	82.401 Community Health Nursing Change from 1-12 credits to 3-12 credits (Approved 10/28/76)
Page 206	<i>Chairperson</i>	Normal L. Hilgar, Chairperson, Business Administration
Page 207	<i>New Major</i>	BUSINESS ADMINISTRATION — MARKETING  Required: 93.440, 442, 443, 452, and either 93.341 or 93.456.
Page 207	<i>Curriculum Requirements Item C — Specialization in one of the following areas: New Degree Program</i>	COMPUTER AND INFORMATION SCIENCE  General Information:  The Bachelor of Science degree in Computer and Information Science (CIS) is offered jointly by the Department of Mathematics and the School of Business. Hence the resources of the college are combined to provide for students wishing a computer major.

### Degree:

The degree, Bachelor of Science in Computer and Information Science (CIS) will be conferred upon successful completion of the Computer and Information Science curriculum.

### Objectives:

The first objective of the program is to provide a broad educational base for intelligent citizenship. The core courses required will likewise provide a breadth of knowledge in the computer and information processing field. More specifically each student majoring in the program will be able to select courses, with the guidance of an advisor, which will accomplish one or more of the following purposes:

- (a) Prepare the graduate for positions in the computer industry.
- (b) Provide specific, marketable skills in business and scientific computing applications.
- (c) Prepare the graduate for further study in graduate programs in computer-related fields.

In addition to opportunities for CIS majors, the program provides introductory courses for the general education of all students; specialized courses concerned with particular application of the computer to specific disciplines are also available.

### Curriculum Requirements:

The curriculum in Computer and Information Science requires the successful completion of six sets of courses:



- A. General Education (See Section 6.3)
- B. Required Core Courses: 92.250, 252, 256, 350, 452; 93.271.
- C. Required Supporting Core Courses: 25.103; either 53.125 and 53.126; or 53.118 and 123; 91.221; 40.211; and either 53.241 or 53.141.
- D. Restricted Electives: Fifteen semester hours chosen from the following: 92.254, 352, 354, 356, 358, 456; 53.371, 373, 381, 471, 472, 492; 90.431.
- E. Restricted Related Electives: Fifteen semester hours chosen from the following: 53.212, 225, 226, 322, 341, 421, 422; 90.331; 91.222, 323; 93.344, 345, 445; 40.212.
- F. Free Electives as required to meet the total 128 sem. hr. graduation requirement.

92.256 **Data and Information Structures (Approved)**  
3 Semester Hours

A detailed study of operations and applications with character strings, linked lists, graphs and trees emphasizing techniques and mechanics rather than theory using a high-level list processing language. Includes a study of file structure and data base concepts.  
Prerequisites: 92.252 or 53.271

Page 212

*New Course*

92.358 Hardware Architecture and Configuration (Approved ) 3 Semester Hours

Includes an examination of the current market in mainframes, peripherals, terminals, data entry devices, minicomputers, etc. The student will gain additional practical experience in feasibility studies, cost analysis, and contract negotiations.

Page 215

*New Course*

93.452. Marketing Research (Approved 11/9/76) 3 Semester Hours

Development and application of the skills of the scientific marketing research process to the range of decisions and issues in marketing. Basic marketing research procedure (problem definition, research design, data collection, analysis and interpretation) and recent developments in marketing information systems are brought to apply to product planning, advertising research, consumer and competitive analysis.

Prerequisite: Principles of Marketing

Page 216

*New Course*

94.303 Typewriting Workshop (Approved 3/11/77) 2-3 Semester Hours

A workshop designed to provide for the varying needs of students with diverse backgrounds, especially transfer students. Material covered would depend upon individual student's background, prior coursework and needs.



