

Tacoma Community College

1970-1971 Catalog



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# Tacoma Community College



## 1970-1971 Catalog

5900 South 12th St.  
Tacoma, Washington 98465  
(LOgan 4-7200)

This catalog represents information, poli-  
cies and courses as of August 1, 1970



# TABLE OF CONTENTS

	<i>Page</i>		<i>Page</i>
Calendar .....	3	Physical Facilities .....	21-22
Accreditation .....	4	Courses and Instructional Programs .....	23-27
Administration .....	4	Course Offerings .....	28-55
Objectives .....	4	Faculty .....	56-63
Organization and History .....	5	Index .....	63-64
General Information .....	6-16	Campus Map .....	Inside Back Cover
Student Services and Activities ..	17-19		
Scholarship and Service Awards ..	20		



## CALENDAR FOR 1970-71

### FALL QUARTER

September 10-11	New faculty orientation
September 24-25	Faculty retreat
September 28	Classes begin
September 30	Last day to add a class
October 23	Last day to withdraw with an automatic "W"
November 11	Holiday, Veterans Day
November 26-27	Thanksgiving vacation
December 14-17	Final Examinations
December 18	Faculty workshop—quarter ends

### WINTER QUARTER

January 4	Winter quarter late registration—no classes
January 5	Classes begin
January 7	Last day to add a class
January 29	Last day to withdraw with an automatic "W"
February 15	Legal holiday—no classes
March 15-18	Final examinations
March 19	Faculty workshop—quarter ends
March 22-26	Spring vacation

### SPRING QUARTER

March 29	Spring quarter late registration—no classes
March 30	Classes begin
April 1	Last day to add a class
April 23	Last day to withdraw with an automatic "W"
May 31	Legal holiday—no classes
June 6	Commencement
June 7-10	Final examinations
June 11	Faculty workshop—quarter ends

# ACCREDITATION

Tacoma Community College is accredited by two agencies: the Washington State Board for Community College Education and the Northwest Association of Secondary and Higher Schools.



# ADMINISTRATION

Board of Trustees, Community College District 22

John Binns, chairman  
The Rev. Robert Yamashita, vice chairman  
Charles L. Edmunds  
Dr. Dewey H. Tuggle, Jr.  
Donald E. Anderson

College Administration

Thornton M. Ford, President  
Paul E. Jacobson, Dean of Instruction  
Robert C. Lathrop, Dean of Students  
George Van Mieghem, Dean of Administrative Services

Richard C. Falk, Special Assistant to the President for Planning and Resources

Mrs. Doreen Amoroso, Director of the Instructional Resource Center  
Robert R. Rhule, Director of Community Services

# OBJECTIVES

Tacoma Community College is a publicly owned, publicly supported college. It is designed to provide two years of collegiate study for the people of the Tacoma-Pierce County area.

Individual study programs are designed for each student. Assistance is provided the student so that he might pursue one of the following programs:

- A two-year program of general studies designed to assist the student to assume his place as an effective member of society.
- An academic transfer curriculum paralleling the first two years of university study.
- A supplementary education for those who wish to pursue a vocational or technical training program at the L. H. Bates Vocational-Technical Institute or similar institutions.
- A program of continuing education for adults who desire to pursue one of the regular curricula or engage in intellectual and cultural activities.



## ORGANIZATION AND HISTORY

Tacoma Community College is one of 22 community colleges in the state of Washington. Under terms of the Community College Act of 1967, the college is administered by a board of five trustees who are nominated by legislators and appointed by the governor. Community College District 22, in which the college is located, is coextensive with the Tacoma Peninsula school districts. The state system of community colleges is administered by the seven-member State Board for Community College Edu-

The Board of Directors of Tacoma School District 10 first applied for authorization to establish a community college in 1961. The revised application was approved in 1963 by the Washington State Board of Education, and the college opened in September, 1965.

The college is located on the west side of the city. Its 150-acre site is bounded by Pearl, Mildred and South 12th and 19th streets. The 20 buildings that presently make up the campus were carefully planned to provide complete student services and to facilitate instructional innovation. Voters of Tacoma School District 10 provided initial construction funds for the college. State matching funds and federal grants have also been used for constructing and equipping the buildings.

# GENERAL INFORMATION

## 1. ADMISSION

The college maintains an open-door policy. Applicants who are graduates of accredited high schools are eligible for admission. Others who can benefit may apply. The college, however, reserves the right to restrict registration to instructional programs which will afford the applicant the greatest prospect for a successful educational experience.

### 1a. APPLICATION PROCEDURES

Students who expect to register for 10 or more credit hours must complete all steps listed below. All other students may complete steps 1 and 2 only. A student who begins with nine or fewer credits and later increases his load to 10 or more credit hours must complete all the steps listed below. In determining tuition and fees, a student who registers for 12 or more credit hours is considered a full-time student.

1. Obtain the form "Application for Admission to Washington Higher Institutions." (This form is available from any high school or from the college.)
2. Complete and return page 1 of the "Application for Admission to Washington Higher Institutions" with the required \$5 records fee to:

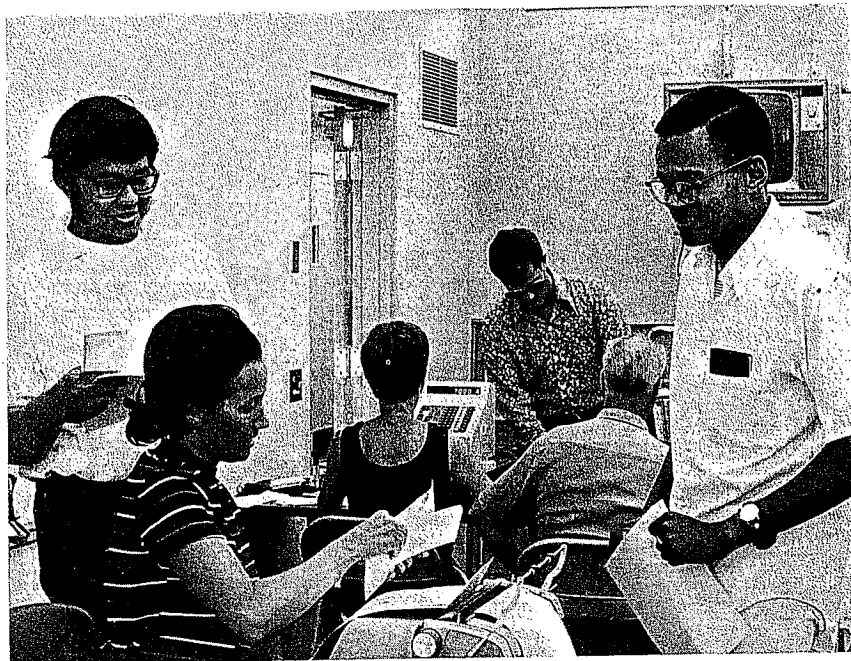
**Business Office  
Tacoma Community College  
5900 South 12th Street  
Tacoma, Washington 98465**

3. Arrange to have page 2 of the "Application for Admission" form completed by the high school last attended. Advise the high school to forward the information to the college Admissions Office after completion of grade 12.
4. If the applicant has attended any other college, transcripts must be mailed directly to the Admissions Office from the previous college (or colleges) attended.
5. Send a copy of the results of your Washington Pre-College Test to the Admissions Office.

The Washington Pre-College Test is required of all students taking 10 or more credit hours. Arrangements to take this test should be made prior to high school graduation. Students may arrange to take the test on campus by contacting the Testing Officer in the Student Information Center, Building 5. Although admission to the college is not dependent upon the test results, the test must be taken prior to registration for classes.

6. Each student will receive a student health report form with the acknowledgment of his application for admission. The student is responsible for completing the medical history portion and arranging for a physical examination by a licensed physician. The form should be returned to the college at least one week prior to registration for classes. Applicants who are unable to have the physical examination should contact the college health adviser in the Student Information Center, Building 5.





7. Successful applicants for admission will be notified as soon as possible.

#### **1b. READMISSION**

Students who have previously attended the college may be re-mitted upon written request to the Admissions Office.

#### **2. REGISTRATION PROCEDURES**

Applicants who have been admitted to the college will receive instructions for registration from the Admissions and Records Office approximately one month prior to the beginning of each quarter.

Each full-time student (12 or more credit hours) is assigned to an academic adviser. Every instructor-adviser at Tacoma Community College works with an assigned group of full-time students. The student is expected to plan his quarterly registration with his academic adviser. He also plans a long-range program with his adviser. Generally, a student works with the same adviser throughout his stay at the college. The assignment of students to an adviser is handled by the Dean of Students.

#### **2a. CLASS SCHEDULE**

The quarterly Class Schedule is made available by the Records Office approximately one month before the beginning of each quarter. The Class Schedule indicates the time, place, special fees, and instructor for each class to be offered. Classes are generally offered from 8 a.m. through 10 p.m.

## **2b. REPEATING A COURSE**

A student may repeat a course in which he has received a failing or low passing grade. In computing his cumulative grade point average at Tacoma Community College, the higher grade earned will be used.

## **2c. CONCURRENT REGISTRATION WITH OTHER INSTITUTIONS**

The college cooperates with numerous educational institutions in developing and offering a wide variety of instructional programs. Under conditions determined by the college administration, individual students may be permitted to take certain off-campus instructional programs for credit. Such programs may include independent study, advanced placement, approved correspondence instruction, vocational and technical training.

## **2d. ADVANCED PLACEMENT**

Tacoma Community College cooperates with the Educational Testing Service and grants advanced standing and credit to participating high school seniors who have earned scores of 3 or higher. Qualified students should contact the appropriate Division or Department Chairman for specific details. Normal tuition is charged. Participating disciplines include: English, Foreign Languages, History, and Mathematics.

An S grade is awarded in all courses through this procedure.

## **2e. CHALLENGING A COURSE**

Registered students with unusual proficiencies may receive credits by examination for some courses in the college curriculum. Individuals must make the necessary arrangements with the appropriate department chairmen. Students may not receive credits for courses that duplicate previously taken courses or for activity courses. Normal tuition is charged.

A student who successfully challenges a course will receive an S grade for that course.

## **3. CREDITS AND CREDIT LOAD**

The academic year at the college consists of three quarters of approximately 11 weeks each. A credit hour is defined as one class hour each week of the quarter, except for separate credit allowance for laboratory class hours.

Under normal circumstances, taking 15 credits per quarter will permit a student to graduate with an Associate degree after six quarters of study. (See section 10 for physical education requirement.) The academic advisor exercises his professional judgment in approving the student's credit load. In exceptional cases, the academic advisor or the student may request assistance from the Dean of Students in determining credit limitations. Students who are on scholastic probation and students who are filing applications for the Associate degree are advised to check with their academic advisors for specific instructions.

#### 4 TUITION

##### Quarterly Tuition and Fees for State Residents:

Full Time (12 or more hours)	\$ 70
Part Time per quarter hour	6

##### Quarterly Tuition and Fees for Non-Resident Students:

Full Time (12 or more hours)	\$170
Part Time per quarter hour	15

The college reserves the right to require a nonrefundable advance payment of tuition.

#### 5. OTHER COSTS

Special fees will be charged to cover costs in laboratory courses. Nominal charges are made for records handling, program changes, official transcripts, and parking. Additional fees may be charged for individual instruction, student deposits, and other incidentals. Students may purchase textbooks and supplies at the college bookstore.

A list of special fees follows:

Nonrefundable records fee	\$ 5
Nonrefundable advance tuition payment	25
Program change	2
Transcript—first two are free; others	1

##### Parking Permit

For one quarter	\$3.00
For academic year	7.50
For second vehicle registered to same owner	.50

##### Tuition Loan

Under \$35	\$ 1
\$35-99	2
\$100 or more	3

##### Physical Education (Nonrefundable)

Towel fee	\$ 2
Bowling	10
Golf	7
Ice skating	7
Archery	2
Swimming (includes towel fee)	9
Tennis	2

##### Science

Chemistry	\$ 3
Geology	3
Biology	3
Physics	3

##### Art

Ceramics 201, 202, 203	\$ 3
Sculpture 272, 273, 274	2

\*Non-resident students are those who will not have been domiciled in the State for at least one year prior to the first day of classes for which they have registered. Federal employees, both civilian and military, and their children and spouses residing within the State, and staff members of the Community College and their children and spouses are defined under the law as "resident students."

## 6. REFUNDS

Before the published date for the beginning of the quarter, approved changes in registration which result in a reduction of a student's credit load will be processed for a proportionate refund. (A \$2 fee is charged for program changes initiated by the student.)

After the published date for the beginning of the quarter, refunds will be made only when a student officially withdraws from the college. Official withdrawals will be refunded as follows:

During first, second and third weeks of classes . . . . . 50%  
After the third week of classes . . . . . no refunds

Special fees will be subject to partial refund in accord with the policy used for official withdrawals. The \$25 advance tuition payment, however, is not subject to refund.

All refunds are processed through both the Records and Business offices on official college forms. Where exceptional circumstances are involved, the student may request a review by the Dean of Students.

## 7. GRADING AND GRADE POINTS

The following system of grading and grade point computation is used in reporting and recording academic achievement:

Grade	Description	Grade points per registered credit
A	Honor . . . . .	4
B	Good . . . . .	3
C	Average . . . . .	2
D	Minimum level of achievement for passing grade . . . . .	1
E	Failed to complete minimum requirements . . . . .	0
PW	Withdrawal passing . . . . .	0
W	Official withdrawal from the course . . . . .	0
I	Incomplete . . . . .	0
S	Satisfactory (S grades count toward degrees but are not considered in computing grade point averages.)	

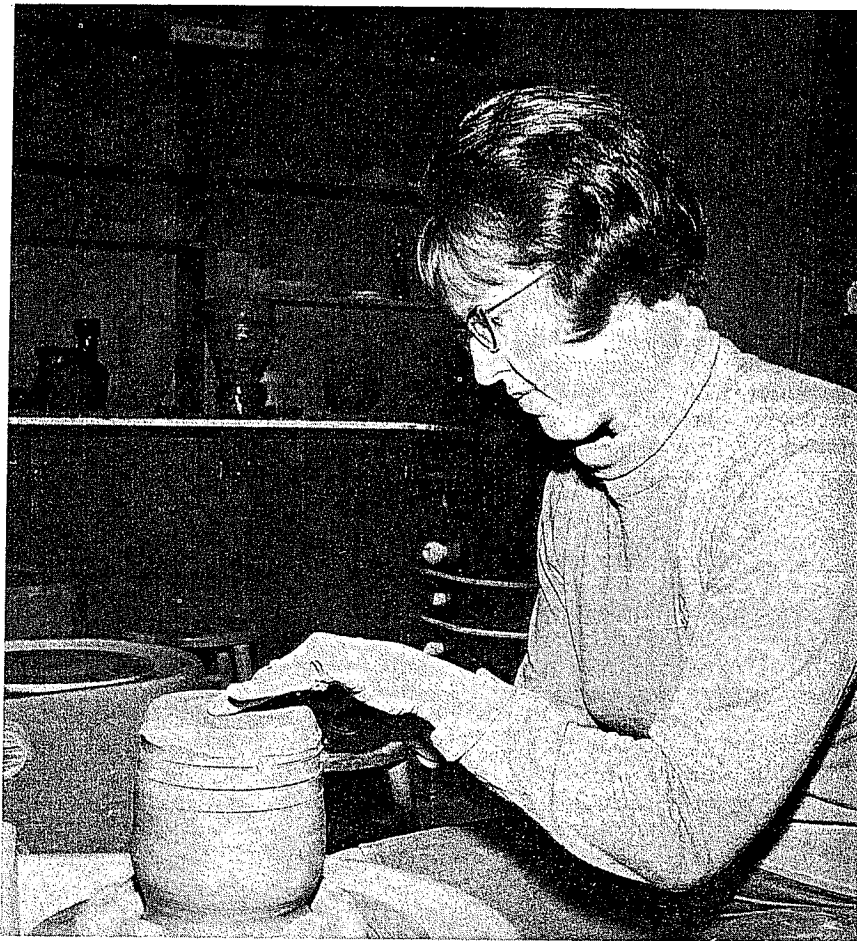
At the end of each quarter, grade reports are mailed to each student. The college will withhold grades until the student has met all financial and institutional obligations relating to the current quarter.

### 7a. INCOMPLETE WORK

An "incomplete" grade may be given only when the student is unable to complete the course work for exceptional reasons. In such cases the student assumes responsibility for making suitable arrangements with his instructor. "Incomplete" grades are automatically changed to "E" grades if not made up by the end of the following college quarter.

## 8. OFFICIAL TRANSCRIPTS

An official transcript is a copy of the student's academic record at Tacoma Community College which has been certified by the Records Office and has the College Seal placed over the certifying signature. UPON WRITTEN REQUEST each student may be furnished two official or unofficial transcripts free of charge. For each additional transcript, a fee of \$1 will be charged. (Official transcripts are usually sent directly from the Records Office to the institution designated by the student. Unofficial transcripts are issued only for the student's reference.)



#### 9. CONFIDENTIAL RECORDS

It is the policy of the college not to release information about its registered students. The college generally regards as confidential all matters pertaining to course registration, personal data, course grades and official transcripts. One exception is that the parents or guardians of a minor student living at home may receive a copy of the student's academic record upon written request. In such cases the student will be notified.

At the written request of the student, the college releases official transcripts and other information to intended recipients. In exceptional circumstances, inquiries should be directed to the Dean of Students.

#### 10. DEGREES

Tacoma Community College grants three degrees: the **Associate in Arts and Sciences** for completion of a transfer academic curriculum paralleling the first two years of university study; the **Associate in Technical**

**Arts** for completion of a combined academic and approved vocational or technical training program; and the **Associate in Liberal Arts** for completion of a two-year program tailored to the unique educational aspirations of the student.

General requirements for all degrees are as follows:

1. A cumulative grade point average of 2.00.
2. At least 30 of the last 45 applicable credits must be earned at Tacoma Community College or the L. H. Bates Vocational-Technical Institute.

Specific requirements for each degree are as follows:

**Associate in Arts and Sciences**—Candidates must complete 90 quarter hours exclusive of physical activity credits in courses numbered 100 or above. General education program courses (G-100 courses) are not accepted.

Course requirements for the Associate in Arts and Sciences degree may be met by planning a program as outlined in either Option A or Option B.

Option A

1. Communications (at least 8 credits)  
English 101 and 102
2. Humanities—any 20 credits  
art, drama, literature, foreign languages, music, poetry, philosophy, speech
3. Social Science—any 20 credits (not all from one field)  
anthropology, business, economics, education, geography, history, political science, psychology, sociology
4. Math/Science—any 15 credits  
(Must include 5 credits in a laboratory science.) biology, chemistry, engineering, forestry, geology, mathematics, oceanography, philosophy 120, physics, zoology
5. Physical Education—any 3 credits\*

Option B

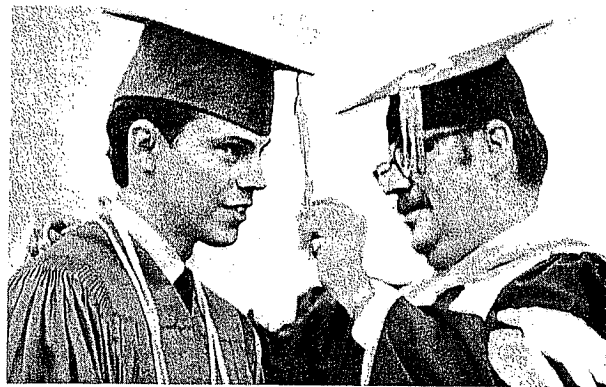
A student may meet the first and second year departmental requirements of the institution to which he plans to transfer. A list of these requirements and their equivalencies at TCC must be approved by the appropriate TCC department chairman and submitted to the Associate Degree Committee at least two quarters prior to graduation.

**Associate in Technical Arts**—Candidates must complete 90 credit hours, at least 45 of which must be in an approved technical or vocational training program. The following or an approved equivalency are also required for the Associate in Technical Arts:

1. Communications (12 to 15 credits)  
English 101, English 102 and Speech 100 or General Education courses in composition, literature and speech or the first quarter of the General Education Program.
2. Physical Education—waived for this degree.

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\*Note: The physical education requirement may be waived with the approval of the physical education department chairman, but the waiver must be obtained at least two quarters prior to graduation.



**Associate in Liberal Arts**—Candidates must complete 90 credit hours, exclusive of physical education activity credits. All courses offered for credit at Tacoma Community College apply toward this degree. The following are required for the Associate in Liberal Arts degree:

1. Communications (at least 8 credits)  
English 101 and 102 or General Education courses in composition, literature and speech
2. Humanities—any 10 credits  
art, drama, literature, foreign languages, music, poetry, philosophy, speech
3. Social Science—any 10 credits  
anthropology, business, economics, education, geography, history, political science, psychology, sociology
4. Math/Science—any 10 credits  
biology, chemistry, engineering, forestry, geology, mathematics, oceanography, philosophy 120, physics, zoology
5. Physical Education—any 3 credits\*

An application for the Associate in Liberal Arts which does not reflect this distribution must be accompanied by a written statement from the adviser to the Associate Degree Committee justifying exceptions. It is the intent of the Associate Degree Committee to recommend acceptance of other credit distributions when they reflect unique aspirations on the part of the student.

#### **10a. APPLICATION FOR ASSOCIATE DEGREES**

Candidates for the Associate Degree will need to submit formal applications on forms provided by the College. Each prospective candidate is advised to contact his academic adviser to begin the application procedure. The formal application is initiated by the student, recommended by the academic adviser and processed by the Faculty Committee on Associate Degrees working with the Dean of Students.

#### **10b. COMMENCEMENT**

Degrees are conferred at the end of each quarter. Commencement ceremonies are held annually near the end of the spring quarter.

\*Note: The physical education requirement may be waived with the approval of the physical education department chairman, but the waiver must be obtained at least two quarters prior to graduation.

### **11. CHANGE OF PROGRAM**

Changes in quarterly registration are permitted on the approval of the student's adviser or, in special cases, by the Dean of Students. All program changes must be made on the Change of Program Request form, which is available at the Records Office. A service fee of \$2 is charged for any change of program initiated by the student. No charge is made for program changes which are initiated by the college.

The Change of Program Request form must be used in making all changes in current registration; for example, adding a class, withdrawing from a class, or substituting one class for another. (Official withdrawal from the college is an entirely separate process described in Section 16.)

**12. BEFORE THE END** of the fifth week of class, students who are not making satisfactory academic progress will be notified by their instructors. Students are responsible for discussing the matter with their instructors and advisers.

### **13. WITHDRAWING FROM A COURSE**

A student may withdraw from a course with a grade of "W" until the end of the first four weeks of the quarter. Through the remainder of the quarter a student who withdraws from a course may be assigned a grade of "PW" (Passing Withdrawal) or "E." The procedure for withdrawing from a course is outlined under "Change of Program" (Section 11).

### **14. SCHOLASTIC PROBATION**

#### **A. Definition and restrictions**

Any student whose quarterly earned grade point average falls below 1.5 is automatically placed on scholastic probation and his course load is subject to these restrictions:

1. A student on scholastic probation whose quarterly grade point average is between 1.0 and 1.49 inclusive, may register for no more than 12 quarter hours of course work at his next registration period.
2. A student on scholastic probation whose quarterly grade point average falls below 1.0 may register for a maximum of eight quarter hours of course work at his next registration period.

#### **B. Change of Program**

The student on scholastic probation will be so notified at the time he receives his grade report at the end of each quarter. At this time he must meet with his adviser to re-evaluate his course load to conform to the restrictions imposed by the scholastic probation.

#### **C. Appeal**

Any student on scholastic probation may be allowed to carry a class-hour load in excess of those imposed by the restrictions, if, in the judgment of his adviser and a counselor, conditions make it advisable for him to do so.

#### **D. Termination of course load restrictions**

A student on scholastic probation who earns a 1.5 grade point average or better during any quarter is released from registration restrictions during the following quarter but remains on probation until his cumulative grade point average rises above 1.5.



E. Restricted registration

The student who remains on scholastic probation for three consecutive quarters (excluding summer quarter) will not be eligible for further registration at the college until one quarter has elapsed. The Advisory Council may consider exceptions to this regulation.

**15. STUDENT RIGHTS AND RESPONSIBILITIES**

The academic community, by its very nature, places emphasis on individual responsibilities. The necessity to maintain an environment which is conducive to learning and to the free exchange of ideas is commonly accepted.

A document setting forth student rights and responsibilities has been adopted by the Board of Trustees and is published under separate cover. The document is available on reserve in the library. The document provides that any student who interferes with the personal rights or privileges of others or with the educational process of the college is subject to immediate disciplinary action. Acts specifically prohibited include plagiarism, forgery, larceny, possession, use or sale of liquor or narcotic drugs, trespassing, smoking in unauthorized places, assault upon others and destruction of property.

**15a. DISCIPLINARY ACTIONS**

When in the judgment of the administration, a disciplinary restriction will serve the best interest of the college and the individual's pursuit of education, one of the following actions may be taken:

**DISCIPLINARY WARNING:** Notification to a student that continuation or repetition of a specific violation may result in one of the more serious disciplinary actions.

**DISCIPLINARY PROBATION:** Formal action placing conditions on the student's continued attendance in the college. Such notice will be given in writing and will specify the period of probation and the conditions.

**SUSPENSION:** Temporary dismissal from the college and termination of student status. Such notice will be given in writing and will specify the duration of the suspension and any special conditions which must be met before readmission. Note: No refund of tuition and fees is granted in this case.

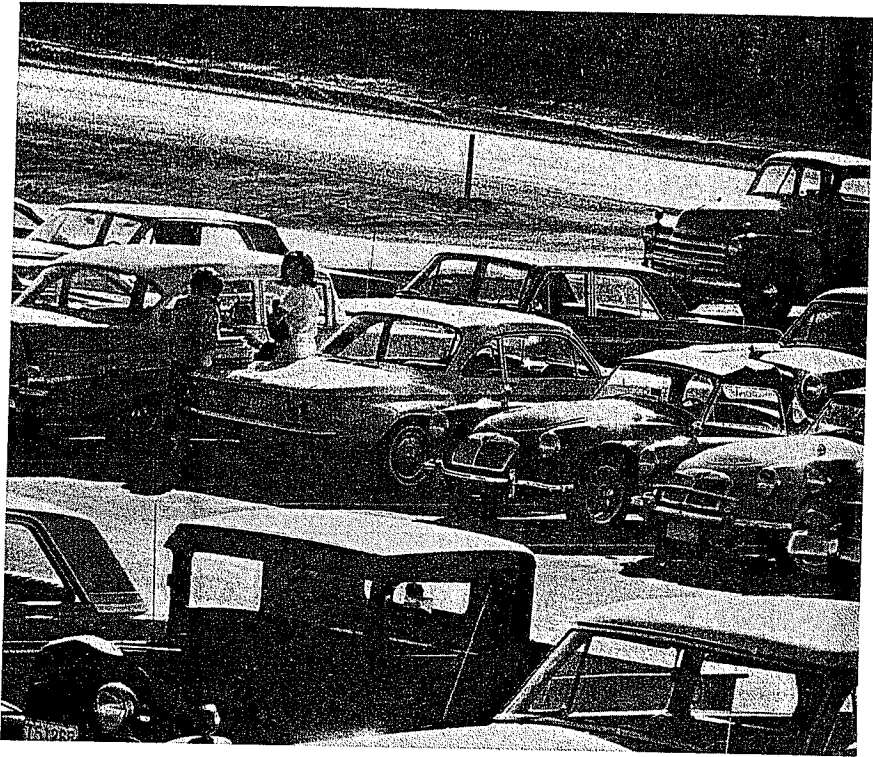
**EXPULSION:** Indefinite or permanent dismissal from the college and termination of student status. Final action will be taken by the Board of Trustees, upon the recommendation of the president of the college. Note: No refund of tuition and fees is granted in this case.

Individuals have the right of appeal, and review procedures have been established.

**16. WITHDRAWAL FROM COLLEGE**

Any student who finds it necessary to withdraw from the college should do so through one of the counselors. (Counselors are located in the Student Information Center and in Buildings 6, 9, 17 and 20.) Withdrawing from the college is an official process which assures the departing student that his college records will accurately reflect the facts relating to his departure. The student who does not officially withdraw, but who merely ceases to attend classes, will be recorded as having failed. each

course for which he is currently registered. Official withdrawal from the college requires written communication from a counselor to the Records Office. In special cases, official withdrawal may be initiated by the Dean of Students.



### 17. CAMPUS PARKING

All vehicles parked on campus by regular daytime students require a parking permit. Parking permits must be obtained as part of the process of registration. The fee is \$3 per quarter or \$7.50 for the academic year. A permit for a second vehicle registered to the same owner may be obtained for 50 cents. Permits are not transferable. Failure to obtain a permit may result in a fine.

The permit authorizes parking in unrestricted stalls in campus parking lots, subject to available space. The college assumes no liability for theft or damage to vehicles or their contents. Proceeds from parking permits, which are required for faculty and staff as well as students, are used for parking lot improvements.

Parking citations are issued for improper parking and for parking in unauthorized areas, such as driveways, reserve parking stalls, emergency exit areas, and construction areas. Upon receipt of a citation the violator must pay his fine at the Business Office within 72 hours. Copies of parking and traffic regulations are available from the campus security office.

# STUDENT SERVICES AND ACTIVITIES

A student's participation in college activities outside his regular classes is an important part of his college life. Tacoma Community College encourages each student to participate in student government and in various sponsored activities. The office of the Dean of Students coordinates and supervises numerous programs, activities and services which are designed to promote the welfare of the students and the college.

## ADVISING

Assistance in academic planning in the selection of courses is available to every student. Instructors advise students in matters relating to the instructional program.

## STUDENT INFORMATION CENTER

The Student Information Center located in Building 5 is for the convenience of all currently enrolled and prospective students of Tacoma Community College. Admissions, counseling, financial aid, health services and student employment are the basic services offered. The Center has up-to-date information and brochures concerning career planning, transferring to other schools and other services provided at Tacoma Community College. Vocational aptitude and interest tests are available.

Students are encouraged to visit the center any time between 8 a.m. and 9 p.m.

## COUNSELING

Professional counselors are available to assist students with vocational, personal, and academic planning. Students who experience difficulties in adjusting to academic work or college life may find it helpful to talk with a counselor. All conferences are confidential and students are free to request the counselor of their choice.

Improvement of the individual's communication skills, social awareness and goal-setting is available through group counseling.

Counseling offices are located in the Information Center and in Buildings 6, 9, 17 and 20. Students seeking special assistance may see a counselor during the day or evening hours. Appointments are encouraged as a convenience to students; however, students should feel free to drop by at any time.

## FINANCIAL AID

Financial assistance is available to a limited number of qualified applicants in several forms.

1. In cooperation with the federal government, the college participates in both the Educational Opportunity Grant program and the College Work-Study program. The Educational Opportunity

Grant program exists to help youth of exceptional financial need who will need special and carefully planned financial assistance. The College Work-Study program provides part-time employment for financially qualified students.

2. The college has a limited number of part-time positions that are necessary to insure smooth operation of the many and varied programs. These positions are staffed by qualified students.
3. The college administers funds from a private source in the form of no-interest tuition loans. Students interested in applying for these limited funds should do so in advance of registration.
4. The college receives from private sources and service clubs a number of scholarships which each year are awarded to qualified students. Some of these scholarships are awarded directly by the donor and some are given to the College Scholarship Committee to award.

#### **JOB PLACEMENT SERVICES**

The college maintains a placement office in Building 5 to assist currently registered students in securing part-time off-campus employment. In cooperation with numerous community agencies, the college also assists in finding full-time employment for students who have earned the Associate degree.

#### **HEALTH SERVICES**

The college operates a health center in Building 5 under the supervision of a licensed physician and a registered nurse, which is open to all students desiring assistance. Services provided include health counseling, first aid for minor accidents and illnesses, and assistance in obtaining further care. The services are provided to supplement those of the family physician.

Students with handicaps who need special consideration for campus mobility should contact the health center.

#### **TESTING**

The college is a testing center for the Washington Pre-College Test. As an added service, the testing officer employs a variety of tests in order to aid students seeking help with educational and vocational questions. The testing officer is located in the Student Information Center, Building 5.

#### **STUDY SKILLS**

Students may obtain assistance in developing study skills through a class (G100A, College Study-Skills—5 credits) or on an individual basis by registering for Study Skills 41 (1 credit). Study skills facilities are located in the Instructional Resource Center.

#### **ACTIVITIES**

The activities coordinator works with student government and student groups to develop and encourage activities that meet student needs and desires and are consistent with the college's purposes.

### **INSTRUCTIONAL RESOURCES AND SERVICES**

The Pearl A. Wainmaker Library and Instructional Resource Center is located in the center of the campus. Its staff and facilities are dedicated to serving the needs of students, faculty, and adults of the community with resources to facilitate learning and cultural enrichment. The 48,000-square-foot building includes: (1) a library of 45,000 volumes and 650 periodicals, as well as pamphlet, microfilm, and audio-visual materials; (2) an audio-visual center which contains a darkroom and other facilities for graphics and media production and duplication services; (3) a television complex including two studio areas; (4) learning laboratories including a listening laboratory, a study skills laboratory, a mathematics laboratory and a business machines laboratory; (5) two classrooms and several seminar rooms and offices. In the development of the library collections, special emphasis has been placed on acquiring historical and current materials relative to (1) the Northwest and (2) ethnic studies and minority interests.

Community support for the library has been expressed through the activities and gifts of Friends of the Tacoma Community College Library, a non-profit organization with an open membership. Individuals and other organizations in the community have also provided a number of significant gifts.

### **FOOD SERVICES**

The college snack bar in Building 15 and the cafeteria in Building 11 complement each other in providing food services for both day and evening students. The cafeteria provides meals, while the snack bar offers light meals and refreshments throughout the college day.

### **COLLEGE BOOKSTORE**

The bookstore, located in Building 6, carries textbooks for all courses, classroom supplies, and a limited variety of convenience items. Special orders for books may be placed by staff and students. Regular business hours are 8:30 a.m. to 4 p.m. Monday through Friday. Evening hours are 6:30 to 8:30 p.m. Tuesday and Wednesdays.

### **TRANSPORTATION**

During the academic year regular and frequent bus service is available to the campus. Adequate parking facilities are available on campus for private automobiles.

### **ATHLETICS**

The college competes with other community colleges in cross country, basketball, track, golf and tennis. A program of intramural athletics is available to men and women students.

### **MUSICAL GROUPS**

As part of its music program, the college has organized a number of musical groups in which students participate. These include the TCC Choir, Choraliers, Ensemble, Chamber Orchestra and Concert Band.



## SCHOLARSHIP AND SERVICE AWARDS

### **PRESIDENT'S MEDAL**

At Commencement, the person who has the highest cumulative grade point in at least 45 credit hours at the college shall receive the President's Medal.

### **PRESIDENT'S LIST**

The President's list, announced annually at Commencement, lists those students who have earned at least 24 credit hours at the college and who have at least a 3.60 cumulative grade point average. Students who have qualified for this recognition shall be graduated with "distinction," which shall be so noted on their diplomas.\*

### **HONORS**

Those persons who graduate with a cumulative grade point average of 3.25 or higher shall be graduated with "honors."\*

### **DEAN'S LIST**

The Dean's List is a quarterly roster of all full-time students who have earned at least a 3.00 grade point average for the quarter.

### **SERVICE AWARDS**

Individuals who have contributed to the growth of the college in some outstanding way may be recognized with the Service Award at the time of their graduation.

\*Computations for these awards are based on the previous five quarters of college work. Additions will be made to these lists if a sixth quarter of college work qualifies a student for such distinction.



## PHYSICAL FACILITIES

The **Pearl A. Wanamaker Instructional Resource Center** (Building 1) houses the library as well as offices, audio-visual services, the study skills laboratory, the listening laboratory and two television studios. At 48,000 square feet, it is the largest building on the campus. It was named after Mrs. Pearl Wanamaker, long-time state superintendent of public instruction.

The **Business Office** (Building 2) is located at the north end of the campus for easy accessibility for visitors.

The large **Lecture Hall-Little Theater** (Building 3) seats 343 persons. It is used for large lecture classes during the peak morning hours and also serves as a facility for drama classes and dramatic and musical productions. It contains an electronic classic organ donated by Mrs. Jane McKee in memory of her husband, the late Lawrence K. McKee.

The **Giaudrone Fine Arts Building** (Building 4) houses music and art classes. It was named after Dr. Angelo Giaudrone, Tacoma school superintendent.

**Building 5** and its annex house the Student Information Center and the Records Office.

**Building 6** houses student government offices and the bookstore.

**Buildings 7, 18 and 19** are classroom buildings. **Buildings 8, 12 and 16** are large lecture halls which seat 98 persons.

**Buildings 9, 17 and 20** are faculty office buildings.

The **Science Building** (Building 10) consists of one large lecture hall,

storage space, a central corridor for preparation of laboratory demonstrations and five laboratories for biology, chemistry, geology and physics.

The **Food Services Center**, where snacks and light meals are available throughout the school day, is designated Building 11.

The **Administration Building** (Building 14) houses the offices of the president and other academic officers.

**Building 15** consists of classrooms, a large lecture hall, and a snack bar.

The **Physical Education Building** (Building 22) provides space for men's and women's physical education courses. The building also provides a site for large public events such as dances and commencement.

## PUBLICATIONS

To meet various needs, the college and its students issue a number of publications. These include:

- The college catalog, issued annually, which includes the college calendar, general information about application, registration, fees and other such data, course descriptions and a faculty roster.
- A student handbook, a joint effort of the student government and the administration, is designed to acquaint new students with information they need about the college and its activities.
- The **Cronus**, a student-owned, student-edited publication which records the events of the school year.
- The student newspaper, **The Collegiate Challenge**, published weekly except for examination and vacation periods.
- **Update**, a monthly newsletter designed to acquaint the public with developments at the college.

## COMMUNITY ASSISTANCE

- A 10-acre arboretum is being developed at the southeast corner of the campus, near south 18th and Pearl Streets, with the assistance of the Capitol District of the Washington State Federation of Garden Clubs.
- The Friends of the Tacoma Community College Library, Inc., consists of community-spirited citizens who believe in the importance of the library's service to students and the community at large. They are concerned with the institution's welfare and promote its growth as a cultural and research center.
- The Tacoma Community College Foundation, a non-profit corporation, was organized in 1967 by a group of community leaders. Its purpose is "to promote public education by assisting Tacoma Community College and its faculty and students in any and all of their educational and cultural endeavors . . ." It has been granted tax-exempt status by the Internal Revenue Service.



# COURSES AND INSTRUCTIONAL PROGRAMS

Courses at Tacoma Community College are designed for four different programs: community services, General Education, university parallel, and vocational programs.

Courses numbered 100 and above are designed to be parallel to courses found in senior institutions with the following exceptions:

1. Courses with the prefix "C" are community service courses which may or may not be transferable to senior institutions.
2. Courses with the prefix "G" are General Education courses, designed especially for TCC students. General Education courses usually do not have specific counterparts in senior institutions and may or may not be transferable.

## **UNIVERSITY-PARALLEL PROGRAM**

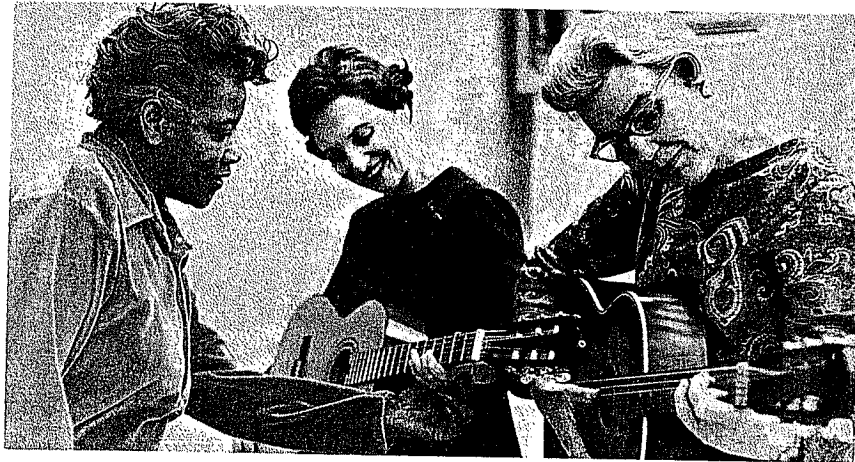
The university-parallel program is designed to provide the students with academic experience equal to the first two years of a four-year baccalaureate program or of a professional program. A student may expect to be able to transfer up to 90 quarter credits in addition to credits in physical education:

Specific courses should be selected in consultation with the academic adviser and in the light of the general requirements of the department and institution to which the student wishes to transfer. Generally speaking, students are encouraged not to specialize too early in fulfilling college and university requirements. However, it is often possible to transfer 20 to 25 hours of credit from one specific area of concentration. In some professional fields, it is advisable for students to transfer at the end of the first year. The student should maintain close contact with his academic adviser and with the transfer institution of his choice on all matters relating to his program.

## **GENERAL EDUCATION PROGRAM**

The General Education program is designed to provide academic courses for those students who aspire to an Associate Degree in Liberal Arts. During the first quarter all students will be registered in introductory courses in communications, social studies, and study skills. In subsequent quarters students, with the assistance of the Coordinator of General Education, will select courses from the full-time liberal arts curriculum which includes work in the humanities, social sciences, and math-science.

Students may transfer into the university-parallel program with approval of the Coordinator of General Education. Courses in the General Education program frequently have no direct counterpart at four-year colleges. Consequently, transferability of credits will probably be determined by the four-year institution on the basis of individual performance.



### **SUMMER SESSION**

The college annually operates a summer session, during which many morning and some evening classes are offered. The session ordinarily lasts nine weeks, beginning in June and ending in mid-August. Students may earn 15 or more credit hours during the summer session. The summer school schedule is available during the spring.

### **COMMUNITY SERVICES PROGRAM**

The community services program is concerned with identifying un-realized community potentialities and unmet community needs, drawing together resources of the college and in the community, and creating appropriate educational programs. Its function is to provide opportunities for adults from all segments of the community to pursue cultural, educational and intellectual activities of particular interest to them. The college makes instruction in wide variety of areas available on and off the campus. The college is responsible for high school completion and continuing education programs for adults, which are offered at Lincoln High School and Peninsula High School. College-level courses are offered at such off-campus locations as McChord Air Force Base, McNeil Island Federal Penitentiary and Peninsula High School.

The community services program has the capacity to custom-design special educational programs for business and professional organizations, unions and other community groups. In addition, the college offers each quarter a series of courses designed for people who wish to pursue particular intellectual activities or to learn new skills. These include such courses as astronomy, geology, advertising, real estate investment, ceramics and literary discussions. The college, moreover, regards it as its responsibility to contribute to the solution of social problems. This concern has led to such programs as supplying educational services for the development of Black-owned businesses, and the training of disadvantaged persons on the New Careers program.

Individuals or groups interested in developing classes, forums, discussion groups, lecture series or professional in-service seminars are asked to contact the Office of Community Services.

## **CAREER RELATED PROGRAMS**

The college, in cooperation with various agencies, provides education leading to proficiency in various careers. Admission to cooperative programs is handled through the cooperating agency. **Information about any of the following programs may be obtained from the Office of Community Services at the college.** These programs include:

- **THE INSTITUTE IN CONTEMPORARY CORRECTIONS AND THE BEHAVIORAL SCIENCES**

The institute is a cooperative venture developed jointly by the U. S. Penitentiary at McNeil Island and the college. The primary purpose of the two-year program is to improve the competence of the career correctional officer by providing educational experience. A certificate in contemporary corrections is granted at the conclusion of the first year, and the college grants an Associate degree on completion of the second year of work.

- **LAW ENFORCEMENT**

The Associate degree program in law enforcement is a cooperative educational venture developed jointly by the Tacoma Police Department and other law enforcement agencies and the college. The primary purpose of the two-year program is to upgrade the competence of career police officers.

Requirements which may be met on campus include English 101, 102 or 104; Psychology 100; Sociology 110; Speech 100; and courses to meet the distribution requirements for the Associate in Liberal Arts Degree.

- **NURSING**

A cooperative program for the education of registered nurses, developed jointly by St. Joseph's Hospital School of Nursing and the college, leads to an Associate degree granted by the college at the end of two years and the registered nurse's diploma granted by the school of nursing at the conclusion of three years work.

Requirements which may be met on campus include English 101, 102; Psychology 100; Speech 100; Sociology 110; Biology 101; and Zoology 207, 208 plus three hours of physical education and electives to meet the specific degree requirements.

- **X-RAY TECHNOLOGY**

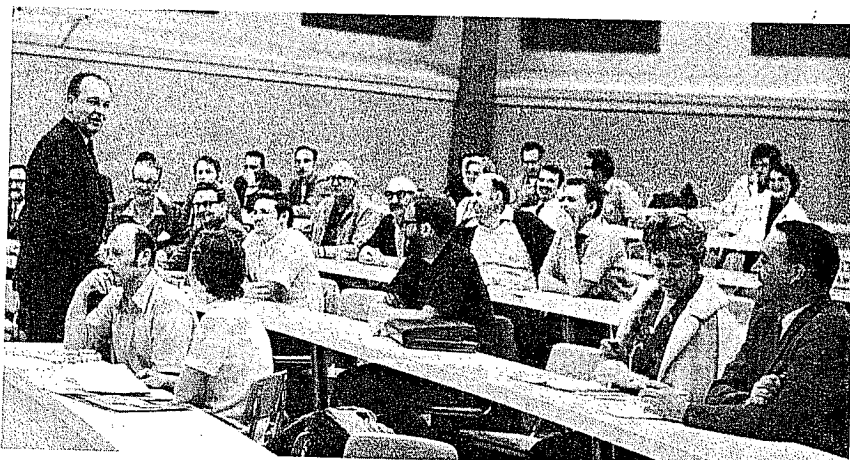
The college cooperates with the schools of X-ray technology at both St. Joseph's Hospital and Tacoma General Hospital in a 24-month program to prepare students for careers as X-ray technicians. The program leads to an Associate degree granted by the college and certification as a registered X-ray technician.

Requirements which may be met on campus include English 101, 102; Psychology 100; Speech 100; Sociology 110; Biology 101; and Zoology 207, 208 plus three hours of physical education, and electives to meet the specific degree requirements.

- **MEDICAL RECORDS**

The college cooperates with St. Joseph's Hospital School of Medical Records Technology in a 24-month program designed to prepare students for careers as medical records technicians. The program leads to an Associate degree granted by the college and certification as a medical records technician.

Requirements which may be met on campus include English 101, 102; Psychology 100; Speech 100; Sociology 110; Biology 101; and Zoology 207, 208 plus three hours of physical education, and electives to meet the specific degree requirements.



## DIVISIONAL GROUPINGS

For purposes of organization, the college curriculum is divided into three divisions: Humanities, Social Science, and Math-Science. The subject matter included in the three areas is as follows:

### Humanities

Art  
 Communications  
 Drama  
 English  
 English Literature  
 French  
 German  
 Music  
 Philosophy  
 Russian  
 Spanish  
 Speech

### Social Science

Anthropology  
 Business  
 Economics  
 Education  
 Geography  
 History  
 Physical Education  
 Political Science  
 Psychology  
 Social Science  
 Sociology  
 Typing

### Math-Science

Biology  
 Chemistry  
 Engineering  
 Forestry  
 Geology  
 Mathematics  
 Oceanography  
 Physical Science  
 Physics  
 Zoology

• **SERVICE REPRESENTATIVE**

A two-year training program for Service Representatives, developed with the aid of a citizen's advisory committee, prepares students for jobs in public relations in a variety of fields—stores, banks, airlines, insurance offices, public utilities, and telephone companies. The program, which includes work internship, leads to an Associate in Liberal Arts degree.

**SUGGESTED PROGRAM**

FRESHMAN YEAR

**First Quarter**

Course Title	No.	Crs.
*English .....	G100A	5
Introduction to Business .....	101	5
*Business Mathematics .....	G100F	3
Typing .....	G100A	2
Physical Education .....		1

**Second Quarter**

English .....	104	5
Any Math-Science .....		5
*Any Humanities .....		5
Physical Education .....		1

**Third Quarter**

*Bookkeeping .....	G100B	5
Business Law .....	200	5
*Any Humanities .....		5
Physical Education .....		1

SOPHOMORE YEAR

**First Quarter**

Business Communications .....	225	5
*General Data Processing .....	G100C	
or		
Introduction to Data Processing .....	235	5
*Political Science .....	G100A	5

**Second Quarter**

*Work Experience Internship .....	G100E	5
Elective .....		5
*Speech .....	G100A	5

**Third Quarter**

*Telephone Technique .....	G100D	3
*Personal Finance .....	G100A	5
Any Math-Science .....		5
Elective .....		2

\*Meets minimum requirements for Associate in Liberal Arts.



# COURSE OFFERINGS

## ANTHROPOLOGY

- 100 **Introduction to the Study of Man: (5)**  
Introduction to the sub-fields of anthropology including physical anthropology, archaeology, socio-cultural anthropology and linguistics through the study of human biological, cultural and social evolution and through consideration of the present biological and socio-cultural variations of mankind.
- 201 **Principles of Physical Anthropology: (5)**  
The study of human and non-human primate evolution through two approaches: an examination of the fossil record, and an examination of the biological and behavioral variability in living populations.
- 202 **Principles of Social Anthropology: (5)**  
An introduction to and analysis of the social and cultural variation of mankind as expressed in diverse economic, social, political, and religious systems around the world.
- 205 **Principles of Archaeology: (5)**  
An introduction to the study of the prehistory of man as revealed by his material remains; includes consideration of excavation techniques, analysis of artifacts and dating, and a survey of world prehistory from the beginnings of culture to the appearance of writing.

## ART

Most four-year colleges require that art majors take a full year of design and drawing. We recommend that students intending to transfer in art plan to fulfill such a requirement.

Note: The College reserves the right to temporarily retain, for exhibit or photographing, any student work submitted for credit.

- 100 **Appreciation of the Visual Arts: (5)**  
(For non-majors, not a prerequisite for the art program)  
Designed to lead to an understanding and appreciation of the visual arts—painting, sculpture, architecture, etc.; lecture and studio.



- 105 **Beginning Drawing: (3)**  
General exploration of various techniques and media through the study of composition, perspective, and form.
- 106, 107 **Drawing: (3, 3)**  
Further development of basic skills in rendering with emphasis on compositional concepts.  
Prerequisites: Art 105, for 106; 106 for 107.
- 109 **Beginning Design: (3)**  
Fundamentals of art structure as the basis for creative work; organizing of line, shape and color in space; studio.

- 110 **Design: (3)**  
Emphasis on materials in the approach to design.  
Prerequisite: Art 109.
- 201 **Beginning Ceramics: (3)**  
Basic introduction to hand building techniques and decorating methods.  
Prerequisites listed below; see\*
- 202, 203 **Ceramics: (3, 3)**  
Experiences in wheel throwing and glaze experimentation in addition to furthering skills acquired in 201.  
Prerequisites: Art 201 for 202; 202 for 203.
- 205 **Lettering: (3)**  
Study and design of basic lettering forms with emphasis on handlettering for commercial and individual needs; pen, brush, ink, and pencil.  
No prerequisite.
- 212, 213 **History of Western Art: (5, 5)**  
An introduction to the major achievements and the principal media from pre-historic time to the present; illustrated lectures: 212, Ancient through Gothic to Early Renaissance; 213, High Renaissance to Modern period.  
No prerequisite.
- 250 **Printmaking: (3)**  
Basic principles of printmaking methods, including relief (woodcut, linoleum, block print), stencil (silkscreen) and intaglio (etching, engraving, collograph).  
Prerequisites: Listed below; see\*
- 251 **Printmaking: (3)**  
An extension of printmaking 250 into more complicated technical and aesthetic problems surrounding the relief, stencil, intaglio, and planographic (lithography) processes.  
Prerequisite: Art 250.
- 256 **Beginning Oil Painting: (3)**  
Emphasis on individual expression through the study of historical styles and methods; landscape and still life.  
Prerequisites: Listed below; see\*
- 257 **Oil Painting: (3)**  
Exploration of contemporary painting styles and techniques; landscape, still life, and figure.  
Prerequisite: Art 256 for 257.
- 258 **Beginning Water Color: (3)**  
Study of basic techniques of water color, including projects in still life, landscape, and experimental composition.  
Prerequisites: Listed below; see\*

\*REQUIREMENTS FOR ADVANCED COURSES (Ceramics, oils, water colors, sculpture, and printmaking):  
Any two quarters of design or drawing, preferably a quarter of each. The second quarter may be taken concurrently with an advanced course.



259 **Water Color: (3)**

Principles of composition and design as well as study of color and the understanding and mastery of technical problems in handling of water colors.

Prerequisite: Art 258 for 259.

272 **Beginning Sculpture: (3)**

Emphasis on fundamentals of three-dimensional design (in the round and relief) and experimentation in sculptural media and techniques.

Prerequisites: Listed below; see\*

273, 274 **Sculpture: (3, 3)**

Further exploration of sculptural composition; materials, approaches, and techniques.

Prerequisites: Art 272 for 273; 273 for 274.

299 **Advanced Problems: (3)**

Investigation of media with emphasis on development of individual skill.

Prerequisite: permission of instructor.

### BIOLOGY

G-100A **Biological Science: (5)**

A survey of biological principles derived from a study of the plant and animal kingdoms.

101, 102 **General Biology: (5, 5)**

The principles of biology as they apply to both plants and animals; origin and nature of life, processes by which it maintains and increases itself, varied living forms, basic biological principles.

Prerequisite: Biology 101 for 102.

103 **General Biology: (5)**

A molecular approach to the study of biology; an investigation of the chemistry of living systems, starting with the structure and function of the cell.

Prerequisite: High school chemistry or the equivalent, and Biology 102.

106 **Contemporary Biological Problems: (5)**

A survey of current biological problems including pollution, overpopulation, and radiation control.

Prerequisite: Biology 101 or high school biology.

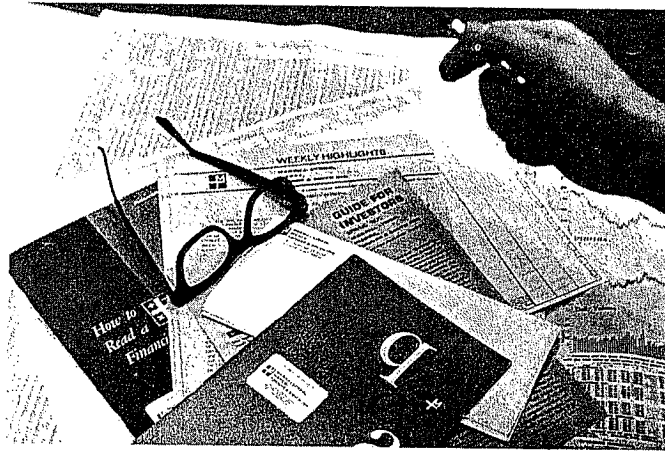
\*REQUIREMENT FOR ADVANCED COURSES (Ceramics, oils, water colors, sculpture, and printmaking):

Any two quarters of design or drawing, preferably a quarter of each. The second quarter may be taken concurrently with an advanced course.

- 108 **Natural History of the Pacific Northwest: (5)**  
(For non-majors; useful to elementary education majors)  
A study of relationships of plants and animals to environment; field trips; required project involving collection, mounting, and classification of specimens; one required all-day Saturday field trip.  
Prerequisite: Biology 101 or permission of instructor.
- 201 **General Microbiology: (5)**  
The classification, physiology, and techniques for cultivation of bacteria and other micro-organisms.  
Prerequisite: Biology 101.

### BUSINESS

- G-100A **Personal Finance: (5)**  
A course in consumer education covering personal finance, budgeting, buying goods and services, and an understanding of interest rates.
- G-100B **General Bookkeeping: (5)**  
(Recommended for beginning students in bookkeeping.)  
A study of basic record-keeping techniques.
- G-100C **General Data Processing: (5)**  
A history of development of data processing through the electronic computer; a non-technical explanation of terminology and fundamental concepts of processing data by unit record systems and the computer.
- G-100D **Telephone Techniques: (3)**  
Theory and practice in the art of using the telephone, including fact-finding information, how to ask personal questions, and sales and collection techniques.
- G-100E **Work Experience Internship: (5)**  
Supervised employment as a service representative to provide practical experience in operations and methods encountered in business.
- G-100F **Business Mathematics: (3)**  
A review in arithmetic: problems in billing, profits, trade discounts, cost taxes, installment buying, securities and amortization.
- 101 **Business: An Introductory Analysis: (5)**  
A course especially designed for students wishing to explore opportunities in the field of business. Examines the role of business in a modern economy, including its growth, structure, organization, and relationship to environment. Examines business firms: their objectives, functions and management. Examines problems of organizations, decision making, controls, and related aspects.



- 200 **Legal Factors in the Business Environment: (5)**  
A preliminary analysis of business law, through the study of simple contracts, their performance and remedies for breach; the application of the uniform commercial code to general business practices; an analysis of the more common business associations existing in the business community and the resultant effect of each association.
- 210 **Fundamentals of Accounting: (5)**  
An introduction to the structure, development, and interpretation of accounting data and financial statements derived from the operations of a business entity.
- 220 **Fundamentals of Accounting: (5)**  
Continuation of Accounting 210. Emphasis on the distinguishing elements of manufacturing, partnership, and corporate accounting; includes those factors of accounting involved with decision making.  
Prerequisite: Business 210.
- 225 **Business Communications: (5)**  
Fundamentals of writing business messages; emphasis on written communications—letters, reports, memoranda, telegrams, other messages.
- 235 **Introduction to Data Processing: (5)**  
Information processing by automated equipment, emphasis on unit record and electronic computer systems; writing of programs to solve simple problems.
- 256 **Statistical Analysis: (3)**  
A survey of the basic elements of descriptive statistics: use of the library as a source of business data; measurements; useful analysis data; methods of data presentation.  
Prerequisite: Mathematics 101 or equivalent.

## CHEMISTRY

- 100 **Principles of Chemistry and Physics: (5)**  
(For students with no previous training in chemistry.)  
The study of atoms, molecules and chemical and physical changes; a survey of the fundamental principles.
- 101 **Survey of Chemistry: (5)**  
(For non-science and non-engineering majors.)  
An examination of molecular theory, quantitative relationships, solutions, acids, bases, and salts.  
Prerequisites: High school chemistry or Chemistry 100, and high school algebra or Math 101. Math 101 may be taken concurrently.
- 102 **Survey of Chemistry: (5)**  
(For non-science majors.)  
Organic compounds: hydrocarbons, alcohols, aldehydes, ketones, ethers, acids, fats, proteins, and carbohydrates. Students planning to take Chemistry 231 should not take Chemistry 102.  
Prerequisite: Chemistry 101.
- 103 **Survey of Chemistry: (5)**  
(For non-science majors.)  
A survey of the compounds and reactions of the major families of chemical elements; nuclear reactions.  
Prerequisite: Chemistry 101.
- 140 **General Chemistry: (5)**  
(For science, engineering, and other majors requiring more than one year of chemistry.)  
Structure of matter, atomic theory, quantitative relationships, and reactions.  
Prerequisites: High school chemistry or Chemistry 100, and Math 101 or one year of high school algebra.
- 150 **General Chemistry: (5)**  
Stoichiometry, aqueous solutions, kinetics, acid and base equilibria, electrochemistry, oxidation and reduction.  
Prerequisite: Chemistry 140.
- 160 **General Chemistry: Qualitative Analysis: (5)**  
Periodic systems, phase equilibria, metals and non-metals, metallurgy and nuclear reactions; semi-micro qualitative analysis for common cations and anions.  
Prerequisite: Chemistry 150.
- 221 **Quantitative Analysis: (5)**  
Volumetric and gravimetric analysis.  
Prerequisite: Chemistry 160.

231 **Organic Chemistry: (5)**  
(For students who need only two quarters of organic chemistry.)  
Structure, nomenclature, reactions, and synthesis of the main  
types of organic compounds.  
Prerequisite: Chemistry 160.

232 **Organic Chemistry: (5)**  
Continuation of Chemistry 231.  
Prerequisite: Chemistry 231.

#### COMMUNICATIONS

100 **Newspaper Workshop: (1) Maximum: 6 credits**  
(3 credits applicable to humanities distributive requirement.)  
Practical experience in problems of newspaper production; stu-  
dents work in various capacities on the staff of **The Collegiate**  
**Challenge**.

101 **Communications: (1) Maximum: 6 credits**  
(3 credits applicable to humanities distributive requirement.)  
Practical experience in problems of yearbook production: work in  
areas of design, layout, copywriting, editing, photography, and  
printing techniques on the staff of the **Cronus**.  
Prerequisite: Permission of instructor.

200 **News Writing: (3)**  
Techniques of writing news and feature stories: reasonable profi-  
ciency in the use of the typewriter required.

201 **Communications Today: (2)**  
An introductory course in theory, including analysis of the com-  
munications process and a survey of the contributions of various  
disciplines to mass media news, advertising, and editorial inter-  
pretations.

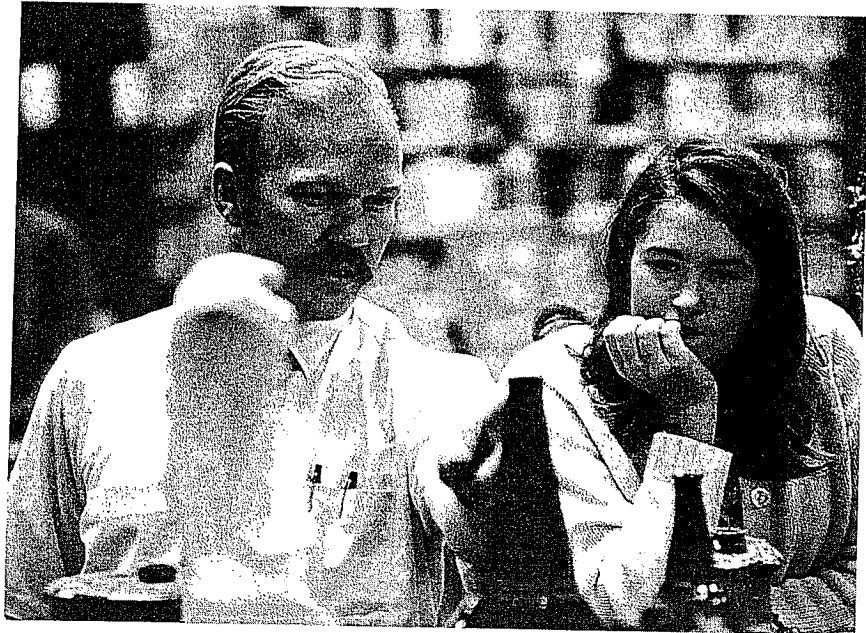
202 **History of the Press in America: (2)**  
An examination of the ideas and the men that shaped the Ameri-  
can press.

203 **The Press in Contemporary America: (2)**  
A study of the responsibility of the press, including the ethics of  
journalism.

250 **Survey of Radio and Television: (3)**  
A history of the industry—both radio and television—including  
the organization and regulation.

#### DRAMA

100 **Rehearsal and Performance: (2) Maximum: 6 credits**  
Participation in play production; after tryouts and assignments,  
the class composed of actors and technicians in the college-pro-  
duced play.



101 **Introduction to the Theater: (5)**

Designed to acquaint the student with the nature of theater art—its elements and its present state; emphasis on modern American theater.

151, 152, 253 **Acting: (3, 3, 3)**

Class and laboratory study of the basic principles and techniques of acting; improvisation in pantomime and dialogue; scenes from plays are prepared and performed.

210, 215, 220 **Technical Production: (3, 3, 3)**

Lecture, laboratory course in basic theories, construction, techniques, and equipment of stage scenery, lighting, and scene painting; crew work on college shows required in addition to scheduled class hours.

### ECONOMICS

200 **Introduction to Economics: (5)**

An introductory study of the American economy with its background, operation, and problems; American capitalism compared with communism and socialism.

201 **Principles of Economics: (5)**

A study of the operation of the American economy with emphasis on prices, wages, production, and distribution of income; the American economy viewed in terms of the world economy. Prerequisite: Economics 200.

## EDUCATION

- 200 **Introduction to American Education: (5)**  
An introduction to education as a profession, including study of the nature and scope of American education as well as an exploration of the teacher's role.

## ENGINEERING

- 100 **Engineering Orientation: (1)**  
An introductory view of the fields of engineering including lectures, discussions, and reading assignments; designed to acquaint the student with the fields of engineering and the opportunities in each.
- 101, 102 **Engineering Graphics: (3, 3)**  
Drawing—acquaints the student with the use of instruments, scales, lettering and line work; work on orthographic projection, reading and interpretation of engineering drawings, diagrams, notes and other forms of graphic representation.  
Prerequisite: Engineering 101 for 102.
- 103 **Applied Descriptive Geometry: (3)**  
Use of graphics in the solution of problems in different fields of engineering; includes point, line, plane problems, intersections, developments and vectors in three dimensions.  
Prerequisite: Engineering 102.
- 111 **Engineering Problems: (3)**  
An introduction to some fundamental principles, including dimensional analysis, statics, rectilinear motion with uniform and non-uniform acceleration, vector algebra, and Newton's laws; designed to develop the ability to analyze and solve engineering problems.  
Prerequisites: High school physics or equivalent, and Math 105. Math 105 may be taken concurrently.
- 112 **Statics: (3)**  
A fundamental and rigorous course in engineering statics using the vector notation treatment.  
Prerequisites: Engineering 101, 111, and Mathematics 124. Math 124 may be taken concurrently.

## ENGLISH

- 41 **English as a Second Language: (5)**  
An intensive study of English, enabling the foreign-born student to become more fluent in reading and writing English.
- G-100A **Beginning Writing: (5)**  
An introductory study of oral and written techniques designed to assist the student in improving the basic skills required to communicate effectively.

- G-100B **Composition: (5)**  
Development of basic skills necessary to writing effective sentences, paragraphs, and short essays.
- G-100C **Literature: (5)**  
Study of the short story, novel, and drama; an introduction to literature.
- 101, 102 **Composition: (5, 5)**  
Application of the basic rules of composition through exercises in expository, descriptive, and argumentative writing; collateral readings in fiction and non-fiction included.  
Prerequisite: English 101 for 102.
- 104 **Comprehensive English Composition: (5)**  
A practice course in the basic skills of written communication: stress on expository prose and technical report writing.
- 110 **Developmental Reading: (2)**  
A course designed to assist the student in developing more effective study techniques; emphasis on improving reading rate, comprehension, and vocabulary.
- 200 **Contemporary American Fiction: (5)**  
A study of contemporary American fiction; includes works of authors from all regions such as Malamud, Baldwin, Ellison, Bellow, Updike, Killens, and Gold.
- 240 **World Literature: (5)**  
A survey of classics of the ancient world including the *Iliad* and *Odyssey*, representative Greek dramas, and works of the Roman writers such as Virgil and Ovid.
- 241 **World Literature: (5)**  
A survey of the main works of the Middle Ages, the Renaissance, and the neoclassic age, ranging from the medieval romance to Cervante's *Don Quixote*; works of Dante, Boccaccio, and Rabelais; works from Voltaire and Rousseau.
- 242 **World Literature: (5)**  
A survey of contemporary world literature; equal emphasis on European, African, and Asian.
- 250 **Introduction to Shakespeare: (5)**  
An introduction to Shakespeare through a study of several of his tragedies, histories, and comedies.
- 257 **Introduction to Poetry: (5)**  
(For non-majors)  
A study of poetry based on readings primarily from British and American sources.



- 258 **Introduction to Fiction: (5)**  
(For non-majors)  
A study of fiction based on readings of short stories and novels.
- 259 **Introduction to Modern Drama: (5)**  
(For non-majors)  
A study of modern drama based on readings of twentieth century plays.
- 264 **English Literature: From Beowulf through Donne: (5)**  
A survey of English literature from the beginnings to 1600, with emphasis on major figures and types; includes Beowulf, Chaucer, Spenser, and Shakespeare.
- 265 **English Literature: From Milton through Blake: (5)**  
A survey of English literature from John Donne through William Blake, with emphasis on Milton, Pope, Swift, Fielding, and Johnson.
- 266 **English Literature: From Wordsworth through Hardy: (5)**  
A survey of English literature from William Wordsworth through Thomas Hardy, with emphasis on the Romantics and Victorians.
- 267 **American Literature: From the Beginnings to 1860: (5)**  
A survey of American literature from the beginning through the Civil War with emphasis on Edwards, Franklin, Cooper, Hawthorne, Thoreau, Emerson, and Melville.
- 268 **American Literature: From 1860 to 1920: (5)**  
A survey of American literature from the Civil War to the close of World War I with emphasis on Whitman, James, Howells, Adams, Twain, Norris, and Dreiser.
- 269 **American Literature: From 1920 to Date: (5)**  
A survey of American literature with emphasis on major novelists such as Dreiser, Fitzgerald, Faulkner, Hemingway, Steinbeck, Warren and Wright; and on selected poets including Frost, Eliot, Stevens, Ginsburg, Ciardi, and Jarrell.
- 270 **Afro-American Writers: (5)**  
A survey of Afro-American literature from 1750 to the present.
- 277, 278 **Creative Writing: (3, 3)**  
Beginning courses in fiction writing to help students develop their abilities and appreciate what others have accomplished.

#### FORESTRY

- 101 **Introduction to Forestry: (1)**  
Basic concepts of forestry, including subject matter common to the areas of management, engineering, and products.
- 102 **Development of Forestry: (1)**  
Exploration of the fields of forest engineering and forest products.

103 **Development of Forestry: (1)**

Exploration of the field of forestry management. Examination of private and public forest policies and their effect upon all areas of forestry.

**FRENCH**

Placement of students with previous foreign language training at the secondary level will be made by the course instructor.

G-100A **Conversational French: (5)**

Basic introduction to French language and culture through the conversational approach.

101, 102, 103 **Elementary French: (5, 5, 5)**

An introduction to the French language through the use of the oral-aural methods; Language Laboratory used for practice. Prerequisites: French 101 for 102; 102 for 103.

201, 202, 203 **Intermediate French: (5, 5, 5)**

Intensive practice in reading, writing and speaking; review of French grammar; oral practice through use of Language Laboratory.

Prerequisites: French 103 or advanced placement for French 201; 201 for 202; 202 for 203.

299 **French Seminar: (Variable credit)**

Individual programs; admission by permission of instructor.

**GEOGRAPHY**

100 **Introduction to Geography: (5)**

Introduction to the fields of geography with emphasis on the major concepts and methods related to the study of geography.

200 **World Regional Geography: (5)**

A study of the regions including analysis and interpretation of the cultural, economic, and resource patterns.

205 **Physical Geography: (5)**

An examination of the physical features of geography including land formations, climates, soils, vegetation, minerals, and water resources as these relate to human habitation.

207 **Economic Geography: (5)**

World survey of extracting, manufacturing, and distributing activities; regional characteristics relating to the availability of resources and markets and the utilization of technological skills.

## GEOLOGY

- G-100A **Geology and Man's Environment: (5)**  
A study of the role of geological processes in determining man's environment, past and present; local examples of environmental problems; laboratory and field trips.
- 101 **Physical Geology: (5)**  
A survey of the basic principles of geology including the origin of deserts, mountains and ocean basins, and modification of the earth's surface by streams, glaciers and earthquakes; practical application of scientific principles to the identification of rocks and minerals; laboratory and field trips.
- 103 **Earth History: (5)**  
The historical development of North America including the origin and evolution of oceans, the landscape, and life; selected topics to illustrate the principles involved in the study of rocks and fossils; laboratory and field trips.  
Prerequisite: Geology 101.
- 106 **Geology in World Affairs: (5)**  
Mineral resources, petroleum, and coal and their influence on history, politics and economics of nations; exploration and extraction of minerals and the relationship to environmental problems; laboratory and field trips.  
Prerequisite: Geology 101.
- 208 **Geology of the Northwest: (5)**  
A study of the geological history of Washington, Oregon, Idaho, and adjacent areas; laboratory and field trips.  
Prerequisite: Geology 101.

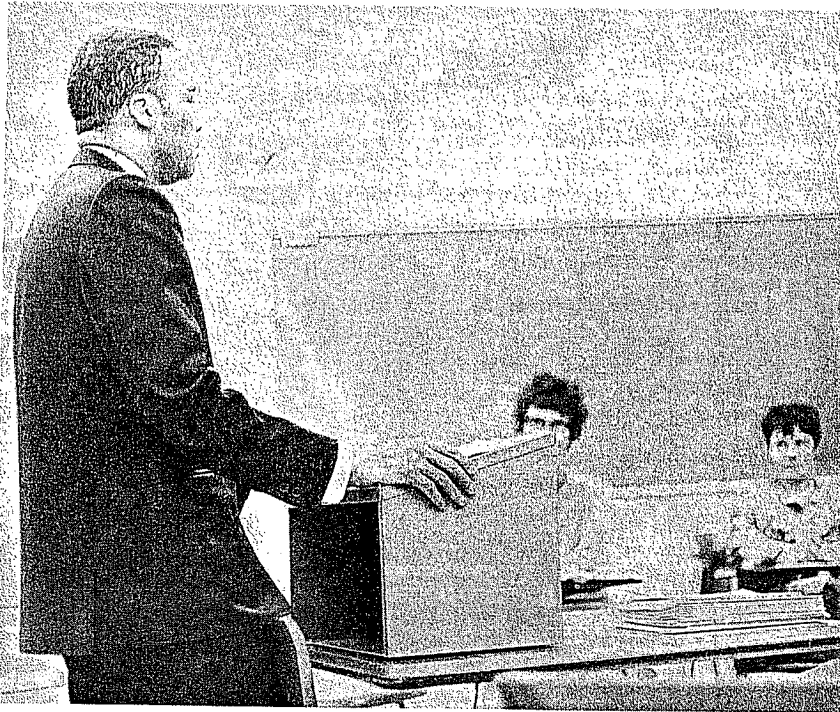
## GERMAN

Placement of students with previous foreign language training at the secondary level will be made by the course instructor.

- G-100A **Conversational German: (5)**  
Basic introduction to German language and culture through the conversational approach.
- 101, 102, 103 **Elementary German: (5, 5, 5)**  
An introduction to the German language through the use of the oral-aural methods; Language Laboratory used for practice.  
Prerequisites: German 101 for 102; 102 for 103.
- 201, 202, 203 **Intermediate German: (5, 5, 5)**  
Intensive practice in reading, writing, and speaking; review of German grammar; practice through use of Language Laboratory.  
Prerequisites: German 103 or advanced placement for German 201; 201 for 202; 202 for 203.
- 299 **German Seminar: (Variable credit)**  
Individual programs; admission by permission of instructor.

## HISTORY

- G-100A **The Modern World: (5)**  
The political, historical, and economic problems of the world today through background studies of areas of the world.
- 110 **The Far East in the Modern World: (5)**  
An introductory survey of the social, economic, and political problems of China, Japan, Korea, the Philippines, Indonesia, and Southwest Asia; includes development of Russia as an Asiatic power, as well as the role of Western powers in the Far East.
- 111 **History of Civilization: (5)**  
Development of man from prehistoric days to the fifteenth century; social, political, cultural, and economic aspects.
- 112 **History of Civilization: (5)**  
Rise of modern nations from the European Renaissance to 1815; revolutions in commerce, industry, culture, and science; expansion of European influence throughout the world.
- 113 **History of Civilization: (5)**  
Modern civilization from 1815 to the present; impact of industrialization on the world, conflict of economic and political ideologies.
- 149 **African Civilization: (5)**  
A study of the history of Africa, its traditional cultures, and the social, economic, and political changes taking place in the 20th century.
- 150 **Afro-American History: Colonial Period to 1915: (5)**  
A study of Afro-Americans and the part they played in the development of the United States; special emphasis on the historical evolution of American racism and the response of Afro-Americans.
- 151 **Afro-American History: 1915-Present: (5)**  
A study of Afro-Americans within the United States since 1915; their contributions and how they have been affected by what has taken place.
- 211 **Chinese Civilization: (5)**  
A study of Chinese philosophies, religions, cultural traditions, political changes, and social and economic developments from the Shang dynasty (c. 1751-1123 B.C.) through the period of the Communist regime.
- 241 **American History to 1828: (5)**  
The development of political, social, cultural, and economic patterns in America from the beginning to the election of 1828.



- 242 **American History—1828-1896: (5)**  
A survey of the developing political, economic, racial, and cultural institutions of the United States in the latter two-thirds of the nineteenth century.
- 243 **American History after 1896: (5)**  
Institutions of the United States in the twentieth century; emphasis on internal reform movements, international affairs, and the cold war era.
- 264 **History of Washington and the Pacific Northwest: (5)**  
Exploration, settlement, and growth of the Northwest with emphasis on Washington, including growth of government and social institutions.

#### **HUMAN RELATIONS**

- 100 **Human Relations: (3)**  
A human relations course designed to permit each student to begin with the most common of subject matters, himself; emphasis is placed on development of the individual's human potential, communication skills, decision-making ability and relationships with others.

## MATHEMATICS

- 41 **Algebra Review: (5)**  
A review of the first year of high school algebra.
- G-100A **Introduction to Algebra: (5)**  
A review of the operations of positive whole numbers and fractions, a study of signed numbers, a study of simple equations and formulas, an introduction of algebraic operations, and an introduction to graphs.
- 101 **Intermediate Algebra: (5)**  
Fundamental algebraic operations and concepts; similar to the third term of high school algebra.  
Prerequisites: One year of high school algebra or Math 41, and one year of geometry.
- 103 **Fundamentals of Mathematics: (5)**  
(For the general college student and for prospective elementary teachers)  
Topics selected from set theory, logic, number systems, geometry and base notation; emphasis on gaining insight into basic concepts of mathematics.  
Prerequisite: Math 41 or equivalent.
- 105 **College Algebra: (5)**  
Real and complex number systems; sets; equations; matrices; inequalities; algebraic, exponential, and logarithmic functions and relations.  
Prerequisite: One and one-half years of high school algebra or Math 101.
- 106 **Plane Trigonometry: (5)**  
Trigonometric functions, identities, equations, inverse functions, graphs, logarithms, and solution of triangles.  
Prerequisites: One and one-half years of high school algebra or Math 101 and one year of high school geometry.
- 114 **Elementary Computer Programming: (3)**  
Programming and coding of problems for automatic digital computers; preparation of flow charts, loops, and subroutines; execution of programs by machine.  
Prerequisite: Mathematics 101 or equivalent.
- 124, 125, 126 **Analytic Geometry and Calculus: (5, 5, 5)**  
124—Plane analytic geometry, limits, the derivative and differentiation, differential calculus and elementary applications, and an introduction to integral calculus; 125—Solid analytic geometry, definite and indefinite integrals, integration, and the differentiation of transcendental functions and parametric equation; 126—Methods of integration, multiple integrals, partial differentiation, improper integrals, indeterminate forms, and vector algebra.  
Prerequisites: Math 104 and 105 or equivalent for 124; 124 for 125; 125 for 126.

- 224 **Intermediate Analysis: (3)**  
 Infinite series, complex functions, and elementary differential equations.  
 Prerequisite: Mathematics 126.
- 238 **Elements of Differential Equations: (3)**  
 Elementary methods of solution and linear differential equations of second and higher order.  
 Prerequisite: Mathematics 224.
- 240 **Introduction to Statistics: (3)**  
 A general course dealing with the nature of statistics, statistical description, ideas of probability, measurements, sampling distributions, and organization of data.  
 Prerequisite: Mathematics 41 or one year of high school algebra.

### MUSIC

- G-100A **Man and His Music: (5)**  
 An introductory course designed to give experience in vocal and instrumental music and an insight into modern music, its makeup and origin; team-taught with emphasis on individual involvement.
- 100 **Choral Singing: (1) Maximum: 3 credits**  
 Preparation and performance of selected choral works; open to all students without audition; includes public performance.
- 101 **Fundamentals of Music: (5)**  
 (Required for all music majors and recommended for all education majors.)  
 Fundamentals of music and basic musicianship, scales, triads, and elementary harmony; pitch intervals, rhythm, melody recognition, and a vocal orientation to music symbols and notations.
- 102, 103 **Music Theory: (5, 5)**  
 A study of basic musical concepts involving the usage and analysis of non-chromatic and chromatic harmony, form, and analysis; pitch intervals, rhythm, and melody recognition with strong emphasis on vocal and keyboard work.  
 Prerequisites: Music 101 for 102; 102 for 103.
- 107 **Introduction to Music: (5)**  
 (For the general college student; recommended for education majors.)  
 A non-technical basis for enjoyable listening to music with understanding; illustrated lectures with supplementary readings and listening experiences designed to foster understanding of common musical forms, idioms, periods, and styles.
- 117 **Symphonic Music: Preclassical and Classical Periods: (3)**  
 (Recommended for music majors.)  
 Emphasis on early music, Renaissance and Baroque.

- 118 **Symphonic Music: Romantic Period: (3)**  
(Recommended for music majors.)  
Emphasis on classical and early romantic periods.
- 119 **Symphonic Music: Contemporary Period: (3)**  
(Recommended for music majors.)  
Emphasis on late romantic and contemporary periods.
- 121 **Class Applied Music: Voice: (1) Maximum: 3 credits**  
Class instruction in performance.  
Prerequisite: Permission of instructor.
- 122 **Class Applied Music: Piano: (1) Maximum: 3 credits**  
Class instruction in performance.
- 130 **Private Vocal or Instrumental Instruction: (2) Maximum: 12 credits**  
A. Piano; B. Violin; C. Voice; D. Violoncello; E. Double Bass; F. Trumpet; G. Flute; H. Oboe; I. Clarinet; J. Bassoon; K. Horn; M. Trombone; N. Tuba; O. Harp; P. Percussion; T. Saxophone; U. Viola.  
Prerequisite: Permission of instructor.
- 140 **Concert Band: (1) Maximum: 3 credits**  
Rehearsal and performance of band literature.  
Prerequisite: Permission of instructor.
- 160 **Symphony Orchestra: (1) Maximum: 3 credits**  
Preparation and performance of orchestral literature.  
Prerequisite: Permission of instructor.
- 170 **Ensembles: (1) Maximum: 3 credits**  
Preparation and performance of chamber music in each medium; includes rehearsal and performance in vocal groups.  
Prerequisite: Permission of instructor.
- 171 **Stage Band: (1) Maximum: 3 credits**  
Preparation and performance of contemporary music, including rehearsal and performance.
- 200 **Choral Singing: (1) Maximum: 3 credits**  
A continuation of Music 100.
- 201, 202, 203 **Second-Year Theory: (3, 3, 3)**  
The practical writing of musical analysis and diatonic and chromatic harmony as used in the eighteenth and nineteenth centuries.  
Prerequisites: Music 103, 116 and concurrent enrollment in 207 for 201; 201 for 202 and concurrent enrollment in 208; 202 and concurrent enrollment in 209 for 203.
- 207, 208, 209 **Music Literature and Styles after 1750: (2, 2, 2)**  
Music literature and styles after 1750.  
Prerequisites: Music 103, 116, and concurrent enrollment in 201 for 207; 207 and concurrent enrollment in 202 for 208; 208 and concurrent enrollment in 203 for 209.



- 240 **Concert Band: (1) Maximum: 3 credits**  
A continuation of Music 140.
- 260 **Symphony Orchestra: (1) Maximum: 3 credits**  
Preparation and performance of orchestral literature.  
Prerequisite: Music 160.
- 270 **Ensembles: (1) Maximum: 3 credits**  
Preparation and performance of chamber music in each medium;  
includes rehearsal and performance in vocal groups.  
Prerequisite: Music 170.
- 271 **Stage Band: (1) Maximum: 3 credits**  
Preparation and performance of contemporary music, including  
rehearsal and performance.  
Prerequisite: Music 171.

#### OCEANOGRAPHY

- 101 **Survey of Oceanography: (5)**  
Origin and extent of the oceans; nature of sea bottom, currents,  
tides; animal and plant life of the sea; laboratory included.

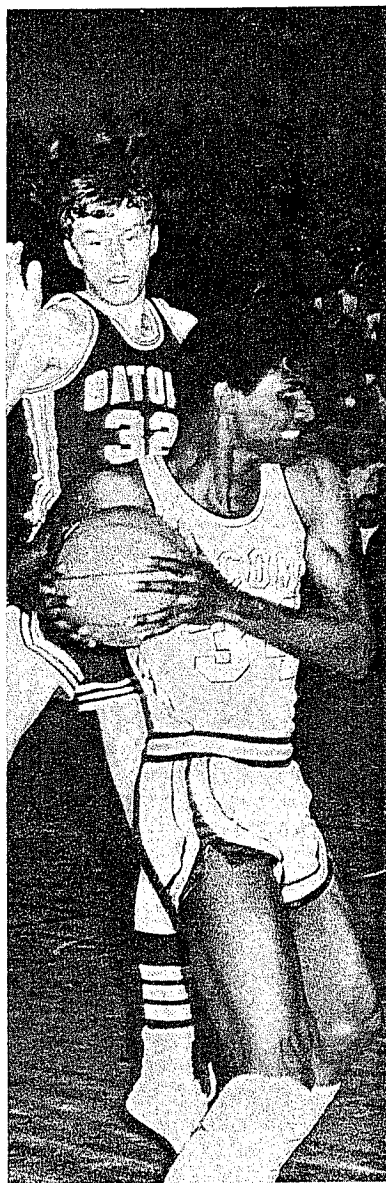
#### PHILOSOPHY

- 100 **Introduction to Philosophy: (5)**  
The role of language in intellectual endeavors, types of knowl-  
edge, religion and science, conceptions of reality, conceptions of  
morality, development of critical acumen.
- 119 **Critical Thinking: (5)**  
The structure of ordinary language: relationships between classes;  
deductive and inductive inference; syllogistic reasoning; types of  
definition; informal fallacies; aesthetic and ethical reasoning; the  
development of a critical approach to all situations susceptible of  
intellectual treatment.
- 120 **Introduction to Logic: (5)**  
Conditions for clear statement and valid reasoning; formal systems  
of logic and their application; inductive reasoning; probability  
theory and methods by which theories and laws are established  
in daily life and in the sciences.  
Prerequisite: Philosophy 119 or permission.
- 215 **Introduction to Ethics: (5)**  
A systematic study of typical analyses of the distinction between  
good and evil, right and wrong; the appeals to custom, theology,  
reason, human nature, and happiness as standards for solutions  
of moral problems; readings and discussions of Plato, Hume,  
Kant, Bentham, Mill, Moore, Hare, and others.  
Prerequisite: Philosophy 100.

267 **Problems in Philosophy of Religion: (5)**

An analysis of such problems in Western religious thought as the existence of the Christian God and other gods, evil, immortality, religious experience, and the effect of religion on morality.

## PHYSICAL EDUCATION



In order to receive the Associate in Liberal Arts or Associate in Arts and Sciences degrees, it is necessary to obtain three physical education activity credits. (Students planning to transfer to other institutions should check their requirements.)

Beginning courses are prerequisites to intermediate courses, and intermediate courses are prerequisites to advanced courses. Advanced placement may be made by the instructor. An activity at the same level may not be repeated for credit.

Students are not permitted to register for more than one activity each quarter. Credit for a second year may be earned in all varsity sports.

Courses marked "m" are for men only; those marked "w" are for women only. All unmarked courses are co-educational. Most activities require extra fees.

The physical education requirement may be waived with the approval of the physical education department chairman, but such waiver must be obtained at least two quarters prior to graduation.

**Developmental Activities: 1 credit each**

- 102w Movement Fundamentals
- 106m Body Conditioning
- 108m Weight Training

**Aquatics: 1 credit each**

- 112 Beginning Swimming
- 113 Intermediate Swimming
- 114 Advanced Swimming
- 115 Life Saving

**Dance: 1 credit each**

- 116 Social Dance
- 117 Folk Dance
- 118 Modern Dance

**Individual Sports: 1 credit each**

- 120 Archery
- 121w Gymnastics, Tumbling
- 121m Gymnastics, Tumbling
- 122 Beginning Bowling
- 222 Intermediate Bowling
- 123 Beginning Golf
- 223 Intermediate Golf
- 124 Beginning Ice Skating
- 224 Intermediate Ice Skating
- 125 Skiing

**Dual Sports: 1 credit each**

- 126 Beginning Badminton
- 127 Fencing
- 128 Beginning Tennis (student furnishes equipment)
- 228 Intermediate Tennis (student furnishes equipment)
- 129m Wrestling

**Team Sports: 1 credit each**

- 132w Field Hockey
- 133m Beginning Basketball
- 133w Beginning Basketball
- 233m Advanced Basketball
- 134m Softball
- 134w Softball
- 135m Soccer
- 135w Speedball and Soccer
- 136m Volleyball
- 136w Volleyball

**Varsity Sports: 1 credit each**

- 140m Varsity Basketball
- 141m Varsity Baseball
- 142m Varsity Track
- 143m Varsity Cross Country
- 144m Varsity Wrestling
- 145 Varsity Golf
- 146 Varsity Tennis
- 147 Varsity Skiing
- 148 Varsity Swimming
- 149 Varsity Gymnastics

## PHYSICAL EDUCATION PROFESSIONAL COURSES

- G-100A **Applied Health: (5)**  
A study of the facts of health as they apply to the individual student.
- 190 **Introduction to Physical and Health Education: (2)**  
Survey of and orientation to the professional fields of physical education, health education, recreational leadership, coaching; history and philosophies, personnel qualification, training and preparation, opportunities, organizations, and related fields. Co-educational.
- 250 **Contemporary Health Concepts: (3)**  
Investigation of contemporary health problems and the study of the scientific concepts and knowledge essential to the comprehension and solution of these problems within society. Coeducational.
- 290m **Officiating: (2)**  
Techniques of officiating football, basketball, track and field, swimming, tennis, volleyball, and softball.
- 292 **First Aid and Safety: (3)**  
The student may meet requirements for both Standard and Advanced American Red Cross First Aid Certification; includes safety education in schools. Coeducational.
- 295 **Functional Swimming and Water Safety: (3)**  
Designed to prepare students for employment as teachers in the aquatic programs of camps, schools, beaches, recreation departments, the armed forces, and service organizations. Coeducational.  
Prerequisites: P.E. 114 and American Red Cross Life Saving Card. Students successfully completing this course will qualify for their Water Safety Instructional Card.

## PHYSICAL SCIENCE

- G-100A **Physical Science: (5)**  
Basic concepts and their applications in the understanding of astronomy, force and motion, molecules and energy, and the electrical nature of matter.
- G-100B **Physical Science: (5)**  
Basic concepts applied to the understanding of atomic structure, chemical combination, geology, meteorology, and nuclear power.
- 100 **Survey of Physical Science: (5)**  
The nature and philosophy of astronomy, geology, chemistry and physics.

## PHYSICS

114, 115, 116 **General Physics: (5, 5, 5)**

(For general education students)

Development of basic mechanics, sound, light, electricity and magnetism, electronics, and modern physics.

Prerequisites: Math 101 or equivalent for 114 (Math 101 may be taken concurrently; trigonometry also recommended); 114 for 115; 115 for 116.

121, 122, 123 **Engineering Physics: (5, 5, 5)**

(For students planning to transfer in engineering or majoring in science.)

121—Study of mechanics: motions and causes of motions, emphasis on theories and applications for problem solving; 122—emphasis on electricity and magnetism; 123—emphasis on sound, heat, and light.

Prerequisites: Math 124 or Math 124 concurrently for 121; 121 for 122; 122 for 123.

## POLITICAL SCIENCE

G-100A **Introduction to Political Science: (5)**

Study of the principles, structure, and functions of political institutions; their behavior and processes.

G-100B **Introduction to American Government: (5)**

Study of the three branches of the government and their operations with particular emphasis on contemporary problems and their relationship to the government.

201 **Modern Government: (5)**

Study of ideas behind democratic and non-democratic forms; systematic and comparative study of political structure, institutions, behavior, and processes.

202 **American Government and Politics: (5)**

Survey of the constitution, three branches of government, and the processes through which public policy is formulated, enacted into law, and executed.

203 **International Relations: (5)**

Role of the nation state and the system and forces that influence the behavior of the state.

204 **American Foreign Policy: (5)**

A study of major factors in formulation and execution of policy, contemporary problems and alternative policy strategies, and principal policy-makers—the president, congress, political parties, pressure groups, and public opinion.

205 **State and Local Government: (5)**

Study of the nature, function, and problems of state, county, and city governments, including an examination of the problems con-

fronting these local political units; emphasis on Washington governmental units.

- 208 **Contemporary Political Problems in American Society: (5)**  
Relevant issues and problems facing American society today, primarily concerning black-white relations and the urban area.
- 250 **Urban Affairs Practicum: (Variable Credit)**  
Study of urban problems through participation in community agencies.  
Prerequisite: Permission of instructor.

### PSYCHOLOGY

- G-100A **Psychology: (5)**  
Basic problems in individual relationships with particular emphasis on psychology as it applies to everyday situations in today's world.
- 100 **General Psychology: (5)**  
Introduction to psychology as an academic discipline: the nervous system, heredity and maturation, sensory processes, perception, and attention, motivation, emotion, intelligence, learning and remembering, thinking and personality.
- 201 **Scientific Principles of Psychology: (5)**  
Introduction to the use of scientific method in psychology with emphasis on methods of studying learning, perception, and motivation; individual and group projects involving humans and other animals.  
Prerequisite: Psychology 100.
- 205 **Introduction to Personality: (5)**  
Introduction to personality developments, habits, functions, and motives.  
Prerequisite: Psychology 100.
- 299 **Individual Study in Psychology: (Variable Credit)**  
Independent observation, analysis, and reporting of a selected problem in psychology.  
Prerequisite: Psychology 100 and permission of instructor.

### SOCIAL SCIENCE

- G-100A **Introduction to Social Studies: (5)**  
An introductory study of the Social Sciences as they apply to modern day and social problems; emphasis on the assistance man can receive from the application of knowledge of anthropology, economics, history, political science, psychology and sociology.

## SOCIOLOGY

- G-100A **Contemporary Sociological Problems: (5)**  
Basic principles of social relationships as applied to the modern world.
- 110 **Survey of Sociology: (5)**  
Basic principles of social relationships, man's behavior in relation to other men and the consequent formation of organizational patterns and social groups, and the influence of institutional patterns of culture on human interaction.
- 152 **Marriage and the Family: (5)**  
(Formerly Sociology 120; course number change only.)  
A study of marriage customs and their functions, premarital patterns, changing marriage mores, practical aspects of marriage, and early domestic adjustment.
- 230 **Introduction to Demography and Human Ecology: (5)**  
A study of the determinants and consequences of population change, composition, and distribution as related to problems and processes of urban, regional, and world growth and development.  
Prerequisite: Sociology 110.
- 240 **Group Behavior: (5)**  
Socialization of the individual, social determination of attitudes and beliefs, and adjustment techniques as important determinants of personality traits.  
Prerequisites: Sociology 110 and Psychology 100.
- 270 **Social Disorganization: (5)**  
Analysis of the causes and processes of social disorganization and consequent personal disorganization and deviance in terms of crime, delinquency, alcoholism, suicide, and other similar problems.  
Prerequisite: Sociology 110.
- 299 **Individual Study: (Variable Credit)**  
Independent observation, analysis, and reporting of a selected problem in social interaction or organization.  
Prerequisite: Permission of instructor.

## SPANISH

Placement of students with previous foreign language training at the secondary level will be made by the course instructor.

- G-100A **Conversational Spanish: (5)**  
Basic introduction to Spanish language and culture through the conversational approach.

- 101, 102, 103 **Elementary Spanish: (5, 5, 5)**  
 An introduction to the Spanish language through the use of the oral-aural methods; the Language Laboratory used.  
 Prerequisites: Spanish 101 for 102; 102 for 103.
- 201, 202, 203 **Intermediate Spanish: (5, 5, 5)**  
 Intensive practice in reading, writing, and speaking; review of Spanish grammar; oral practice through use of Language Laboratory.  
 Prerequisites: Spanish 103 or advanced placement for Spanish 201; 201 for 202; 202 for 203.
- 299 **Spanish Seminar: (Variable credit)**  
 Individual programs; admission by permission of instructor.

#### SPEECH

- G-100A **Introduction to Speech: (5)**  
 A study of basic speech forms supported by practice; development of effective oral reading.
- 100 **Fundamentals of Speech: (5)**  
 Fundamentals of oral communication—emotional adjustment to the speaking situation, research, organization, and delivery; several speaking experiences provided with emphasis on extemporaneous speech.
- 131, 132, 133 **Forensics: (1, 1, 1)**  
 Introduction to the various individual speaking and reading processes associated with Forensics; some members to represent the college in intercollegiate Forensic tournaments.  
 Prerequisite: Permission of instructor.
- 140 **Oral Interpretation: (5)**  
 Development of adequate responsiveness to the meaning of literature and of the power to read orally so as to communicate this appreciation to others; poetry and prose read aloud.
- 220 **Public Speaking: (5)**  
 A detailed study of rhetorical principles in both expository and persuasive speaking—emphasis on audience analysis, selection, adaptation and organization of materials, style, and delivery; varied speaking performances in class and analysis of written and recorded speeches.  
 Prerequisite: Speech 100.
- 230 **Essentials of Argument: (5)**  
 Construction and delivery of various types of argumentative speeches including debate; attention to research, analysis, evidence, preparation of briefs, reasoning, and fallacies.  
~~Prerequisite: Speech 100.~~

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231, 232, 233    **Forensics: (1, 1, 1)**  
A continuation of 131, 132, 133.  
Prerequisite: Permission.

235    **Parliamentary Procedure: (3)**  
A study, based on Robert's Rules of Order, in conducting and organizing public meetings.



#### **STUDY SKILLS**

41    **Study Skills: (1)**  
Designed to aid the student in developing study skill techniques; after individual diagnosis, each student is assigned a specific course of study to strengthen identified weaknesses.  
Prerequisite: Recommendation from a counselor.

G-100A    **College Skills: (5)**  
A practical application of study skills and developmental reading techniques to assist the student in improving the quality of his studies; emphasis on reading improvement, study skills, and group guidance.

#### **TYPING**

G-100A    **Personal Typing: (2)**  
Typing fundamentals, including mastery of the keyboard and thorough knowledge of correct typing techniques.

#### **ZOOLOGY**

206, 207, 208    **Zoology: (5, 5, 5)**  
Study of the structure and function of the human body with the aid of a physiograph, anatomical charts, models, human skeletons and other human materials.  
Prerequisites: Biology 101 for 206; 206 for 207; and 207 for 208.

# Faculty

The following list of faculty members represents appointments as of June 25, 1970:

- AIKEN, RICHARD S.** Librarian  
University of Maryland, University of Omaha, B.Ed.; University of Washington, M.L.S.
- AMOROSO, DOREEN** Director of Instructional Resource Center  
Whitman College, Washington State University, University of Washington, University of Puget Sound, B.A., B.Ed.; University of Washington, M.L.S.; Central Washington State College, Northwestern University, University of Southern California
- ANDERSON, ERNEST R.** Librarian  
Wisconsin State University, B.A.; University of Wisconsin, Western Washington State College, Washington State University, University of Washington, M.L.S.
- ANDERSON, WILLIAM G.** Psychology  
University of Idaho, B.S., M.Ed.
- ARPKE, ROBERT S.** English  
University of Washington, B.A.; Harvard University, John Hay Fellowship
- BERNTSON, LLOYD S.** English  
Department Chairman, English-Philosophy  
North Dakota State Teacher's College, B.S.Ed.; University of North Dakota, Washington State University, M.A.
- BETZ, JOSEPH A.** Mathematics  
Seattle University, B.Ed.; Washington State University, M.A.T.
- BOYD, ROBERT T.** Anthropology  
Portland State College, B.A.; University of California, M.A.; University of Oregon
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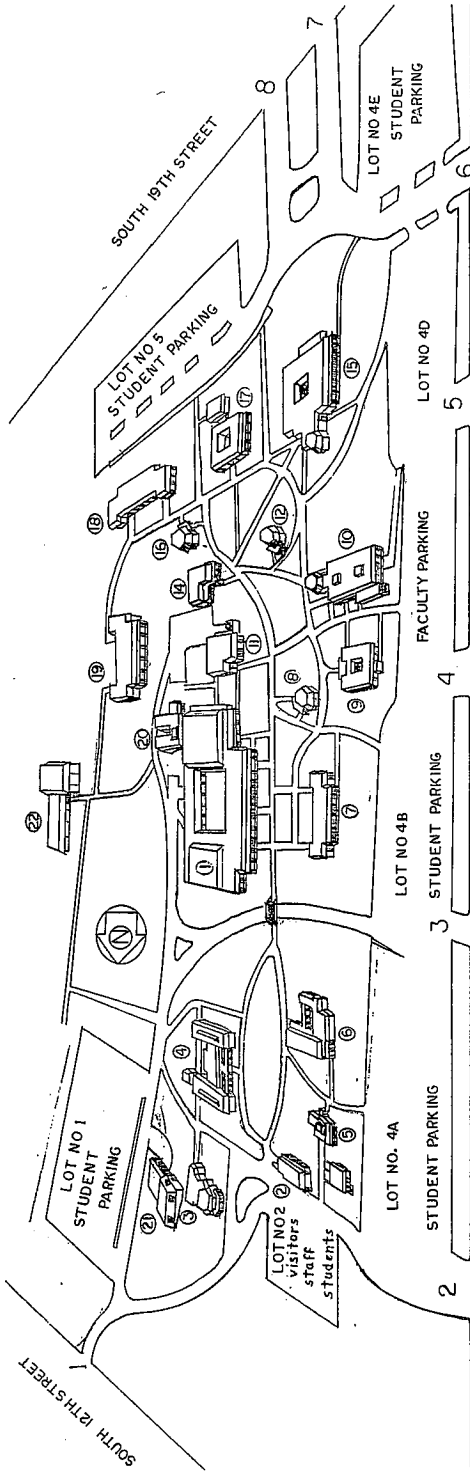
## INDEX

Accounting Courses . . . . .	32-33	Campus Regulations . . . . .	15
Accreditation . . . . .	4	Career-Related Programs . . . . .	25-27
Activities . . . . .	18	Challenging a Course . . . . .	8
Administration . . . . .	4	Chemistry Courses . . . . .	34-35
Admission . . . . .	6	Class Schedule . . . . .	7
Advanced Placement . . . . .	8	Commencement . . . . .	13
Anthropology Courses . . . . .	28	Communications Courses . . . . .	35
Application Procedures . . . . .	6-7	Community Services Program . . . . .	24
Archaeology Courses . . . . .	28	Concurrent Registration . . . . .	8
Art Courses . . . . .	28-31	Confidential Records . . . . .	11
Associate Degrees . . . . .	12-13	Contents . . . . .	2
Athletics . . . . .	19	Counseling . . . . .	17
Awards . . . . .	20	Course Offerings . . . . .	28-55
Behavioral Sciences Institute . . . . .	25	Credits and Credit Load . . . . .	8
Biology Courses . . . . .	31-32	Degrees . . . . .	12-13
Board of Trustees . . . . .	4	Divisional Groupings . . . . .	26
Bookstore . . . . .	19	Drama Courses . . . . .	35-36
Buildings . . . . .	21-22	Economics Courses . . . . .	36
Business Courses . . . . .	32-33	Education Courses . . . . .	37
Business Law . . . . .	33	Employment Service . . . . .	18
Calendar . . . . .	3		

## INDEX - continued

Engineering Courses . . . . .	37	Physical Science Courses . . . . .	50
English Composition Courses . . . . .	37-38	Physics Courses . . . . .	51
English Literature Courses . . . . .	38-39	Political Science Courses . . . . .	51-52
Faculty . . . . .	56-63	Probation, Scholastic . . . . .	14-15
Fees . . . . .	9	Probation, Disciplinary . . . . .	15
Financial Aid . . . . .	17-18	Program Changes . . . . .	14
Food Services . . . . .	19	Psychology Courses . . . . .	52
Forestry Courses . . . . .	39-40	Publications . . . . .	22
French Courses . . . . .	40	Reading Course . . . . .	55
Friends of the TCC Library, Inc. . . . .	22	Re-admission . . . . .	7
Full-time Student . . . . .	7	Refunds . . . . .	10
General Information . . . . .	6-16	Registration . . . . .	7
General Education Program . . . . .	23	Registration With Other Institutions . . . . .	8
Geography Courses . . . . .	40	Repeating a Course . . . . .	8
Geology Courses . . . . .	41	Scholarship and Service Awards . . . . .	20
German Courses . . . . .	41	Service Representative Program . . . . .	27
Grading and Grade Points . . . . .	10	Social Science Courses . . . . .	52
Health Services . . . . .	18	Sociology Courses . . . . .	53
History Courses . . . . .	42-43	Spanish Courses . . . . .	53-54
History of TCC . . . . .	5	Speech Courses . . . . .	54-55
Honors . . . . .	20	Student Services . . . . .	17-18
Incomplete Work . . . . .	10	Study Skills Courses . . . . .	18, 55
Information Center . . . . .	17	Summer Session . . . . .	24
Journalism Courses . . . . .	35	TCC Arboretum . . . . .	22
Law Enforcement Program . . . . .	25	TCC Foundation . . . . .	22
Library . . . . .	19	Transcripts . . . . .	10
Literature Courses . . . . .	38-39	Transfer Program . . . . .	23
Mathematics Courses . . . . .	44-45	Transportation . . . . .	19
Medical Records Program . . . . .	26	Tuition . . . . .	9
Music Courses . . . . .	45-47	Typing . . . . .	55
Musical Groups . . . . .	19	University-Parallel Courses . . . . .	23
Nursing . . . . .	25	Unsatisfactory Progress Reports . . . . .	14
Objectives . . . . .	4	Withdrawal From a Course . . . . .	14
Oceanography . . . . .	47	Withdrawal From College . . . . .	15
Parking . . . . .	16	X-ray Technicians . . . . .	25
Philosophy Courses . . . . .	47-48	Zoology Courses . . . . .	55
Physical Education Courses . . . . .	48-50		
Physical Facilities . . . . .	21-22		

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3