Tacoma Community College

1970-1971 Catalog

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

This catalog represents information, policies and courses as of August 1, 1970
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### 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

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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

The objectives of Tacoma Community College are designed to fulfill the following programs:

- A variety of educational opportunities to enable the student to achieve his needs and develop his potential.
- An academic program that meets the needs of the college generations.
- Supplemental educational opportunities to those who wish to pursue or vocational or technical training programs that are essential for post-secondary college programs.
- A program that prepares students to assume their social responsibilities.
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 supervised 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 bordered by Pearl, Mildred and South 12th and 19th streets. The 20 initial 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, 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.

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

1b. READMISSION

Students who have previously attended the college may be re-admitted 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.
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."

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6. REFUNDS

The procedures for the return of tuition due to unforeseen circumstances are as follows:

- Withdrawal before the end of the first week of classes: Full refund
- Withdrawal before the end of the second week of classes: Partial refund of tuition
- Withdrawal after the end of the second week of classes: No refund

7. GRADING AND GRADE POINTS

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Grade points per registered credit</th>
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<tbody>
<tr>
<td>A</td>
<td>Honor</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>Minimum level of achievement for passing grade</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>Failed to complete minimum requirements</td>
<td>0</td>
</tr>
<tr>
<td>PW</td>
<td>Withdrawal passing</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>Official withdrawal from the course</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory (5 grades count toward degrees but are not considered in computing grade point averages.)</td>
<td>0</td>
</tr>
</tbody>
</table>

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.

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.

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.

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 college provides a variety of instructional resources. Students have access to the library, which houses a comprehensive collection of books, periodicals, and online resources. The computer lab is equipped with state-of-the-art technology, allowing students to work on their assignments. The Career Services Office offers guidance and resources for students planning their future careers.

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, and 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.

*Completions 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 unrealized 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 divisions: Humanities, Social Science, and Math Science. The subjects fall into the three broad groups as follows:

Humanities: Communications, Drama, Education, English Literature, French, German, Latin, Philosophy, Religion, Spanish, Speech.


Math-Science: Biology, Chemistry, Engineering, Forestry, Geology, Geophysics, Oceanography, Physics, Science, 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**

<table>
<thead>
<tr>
<th>First Quarter</th>
<th>No.</th>
<th>Crs.</th>
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<tbody>
<tr>
<td>*English</td>
<td>101</td>
<td>5</td>
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<tr>
<td>Introduction to Business</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>*Business Mathematics</td>
<td>G100F</td>
<td>3</td>
</tr>
<tr>
<td>Typing</td>
<td>G100A</td>
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<tr>
<td>English</td>
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<tr>
<td>Any Math-Science</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>*Any Humanities</td>
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<td>Physical Education</td>
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<tbody>
<tr>
<td>*Bookkeeping</td>
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<tr>
<td>Business Law</td>
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<tr>
<td>*Any Humanities</td>
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<td>5</td>
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<tr>
<td>Physical Education</td>
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**SOPHOMORE YEAR**

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<th>First Quarter</th>
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<tbody>
<tr>
<td>Business Communications</td>
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</tr>
<tr>
<td>*General Data Processing</td>
<td>G100C</td>
<td>5</td>
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<tr>
<td>or Introduction to Data Processing</td>
<td>235</td>
<td>5</td>
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<tr>
<td>*Political Science</td>
<td>G100A</td>
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<tbody>
<tr>
<td>*Work Experience Internship</td>
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<td>5</td>
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<tr>
<td>Elective</td>
<td>G100A</td>
<td>5</td>
</tr>
<tr>
<td>*Speech</td>
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<tr>
<td>*Telephone Technique</td>
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<td>3</td>
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<tr>
<td>*Personal Finance</td>
<td>G100A</td>
<td>5</td>
</tr>
<tr>
<td>Any Math-Science</td>
<td>G100A</td>
<td>5</td>
</tr>
<tr>
<td>Elective</td>
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*Meets minimum requirements for Associate in Liberal Arts.
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, calligraph).  
    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, over-population, 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, budget-
ing, buying goods and services, and an understanding of inter-
est 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 elec-
tronic 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 dis-
counts, 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 busi-
ness in a modern economy, including its growth, structure, organi-
zation, 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 account-
ing; 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 analy-
sis 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 concur-
rently.

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 equili-
bria, electrochemistry, oxidation and reduction.
Prerequisite: Chemistry 140.

160 General Chemistry: Qualitative Analysis: (5)
Periodic systems, phase equilibria, metals and non-metals, metal-
lurgy 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 explo-
ration of the teacher's role.

ENGINEERING

100  Engineering Orientation: (1)
An introductory view of the fields of engineering including lect-
ures, 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 dimen-
sional analysis, statics, rectilinear motion with uniform and non-
uniform acceleration, vector algebra, and Newton's laws; de-
signed 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 commu-
nicate 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, Killiens, 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, Boccacio, 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.
**Introduction to Fiction:** (5)
(for non-majors)
A study of fiction based on readings of short stories and novels.

**Introduction to Modern Drama:** (5)
(for non-majors)
A study of modern drama based on readings of twentieth century plays.

**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.

**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.

**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.

**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.

**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.

**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, Cliot, and Jarrell.

**Afro-American Writers:** (5)
A survey of Afro-American literature from 1750 to the present.

**Creative Writing:** (3, 3)
Beginning courses in fiction writing to help students develop their abilities and appreciate what others have accomplished.

**FORESTRY**

**Introduction to Forestry:** (1)
Basic concepts of forestry, including subject matter common to the areas of management, engineering, and products.

**Development of Forestry:** (1)
Exploration of the fields of forest engineering and forest products.
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 extract-
tion 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.
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.

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.

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

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: Match 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.
Symphonic Music: Romantic Period: (3)
(Recommended for music majors.)
Emphasis on classical and early romantic periods.

Symphonic Music: Contemporary Period: (3)
(Recommended for music majors.)
Emphasis on late romantic and contemporary periods.

Class Applied Music: Voice: (1) Maximum: 3 credits
Class instruction in performance.
Prerequisite: Permission of instructor.

Class Applied Music: Piano: (1) Maximum: 3 credits
Class instruction in performance.

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.

Concert Band: (1) Maximum: 3 credits
Rehearsal and performance of band literature.
Prerequisite: Permission of instructor.

Symphony Orchestra: (1) Maximum: 3 credits
Preparation and performance of orchestral literature.
Prerequisite: Permission of instructor.

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.

Stage Band: (1) Maximum: 3 credits
Preparation and performance of contemporary music, including rehearsal and performance.

Choral Singing: (1) Maximum: 3 credits
A continuation of Music 100.

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.

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.
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. Coeducational.

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, em-
phasis 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 institu-
tions; their behavior and processes.

G-100B  Introduction to American Government: (5)
Study of the three branches of the government and their opera-
tions 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; sys-
tematic 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-

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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.
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

**BOYER, BARRY L.**
Business-Economics
Grays Harbor College, A.A.; Washington State University, B.A.; Portland State University, University of Oregon, M.S.

**BROWN, CARL R.**
Minority Affairs Director
 Huston-Tillotson College, Paul Quinn College, B.S.; Texas Southern University, Prairie View A & M College, M.A.; University of Washington

**BUTSCHEM, SUZANNE M.**
Mathematics
Reed College, University of Puget Sound, B.S.; Oregon State University, M.S.

**CLARK, RUSSELL E.**
Physics
Division Chairman, Math-Science
Western Washington State College, B.A.; University of Washington, Stanford University, Oregon State University, M.S.
CLARKE, J. ALLAN  
Music  
Phillips University, Fresno State College, A.B.; University of  
Washington, Fresno State College, M.A.

CLEE, PAUL B.  
English  
Whitman College, B.A.; University of Kansas, University of Ore-  
gon, M.A.

CLINE, CHARLES FRANKLIN  
Drama  
Washington State University, B.A., M.A.

CRAWFORD, W. JAMES  
Geology  
University of British Columbia, B.A.Sc.; University of Washing-  
ton, M.S.

COX, CLARA M.  
Counselor  
Huston-Tillotson College, A.B.; George Pepperdine College, Uni-  
versity of Puget Sound

DANISZEWSKI, EDWARD F.  
Business  
St. Martin’s College, B.A.; Stanford University, M.B.A.; State of  
Washington C.P.A.

DEJOE, RICHARD J.  
Counselor-Student  
Activities Adviser  
Miami University of Ohio, B.S.; California State College-Los  
Angeles, M.S.

DEZELL, ROBERT H.  
Music  
Department Chairman, Music  
University of Washington, B.A.; Washington State University,  
M.A.

DIPPOLITO, FRANK DAVID  
Art  
Olympic College, Chicago Art Institute, B.F.A.; University of  
Puget Sound, M.F.A.

DYER, PATRICIA A.  
Mathematics  
College of the Sequoias, Fresno State College, B.A., M.S.; Stan-  
ford University, San Jose State College

EDRINGTON, DeVON E.  
Philosophy  
Purdue University, University of New Mexico, B.A.; University of  
Washington, University of Puget Sound, M.A.

EVANS, ROLLAND J.  
Business  
University of Puget Sound, B.A.; University of Washington, Uni-  
versity of Puget Sound, M.B.A.

FALK, RICHARD C.  
Special Assistant to the President  
for Planning and Resources  
University of Puget Sound, B.A., B.Ed., M.Ed.; Stanford Univer-  
sity, Washington State University, Ed.D.

FAYE, MARIO A.  
Spanish  
Columbia Union College, B.A.; Andrews University, M.A.; Mon-  
tana State University, University of Washington
FISHER, EDWARD S. Physical Education
Pacific Lutheran University, B.A.; University of Washington, M.S.

FORD, THORNTON M. President
Western Washington State College, B.A., M.Ed.; Washington State University, Ed.D.

GANGNES, DONALD R. Community Services
Western Washington State College, B.A.; University of Washington, University of Pennsylvania, M.S.; University of New York State

GARRATT, FRANK E. English
University of Illinois, B.A., M.Ed.

GENTILI, KENNETH L. Physics
University of Puget Sound, B.S.; University of Idaho, M.S.

GILMAN, SHELDON M. Political Science
Norwich University, B.A.; University of Utah, M.S.

GIRoux, Richard W. Psychology
Pacific Lutheran University, B.A.; Central Washington State College, M.S.

GRIFFIN, PHILIP L. Counselor
University of Montana, B.A.; Fuller Theological Seminary, California State College at Los Angeles, M.S.

GRIMES, JANET A. English
University of Puget Sound, B.A.; Ohio University, M.A.

HALE, F. DENNIS Communications
University of Washington, University of Puget Sound, B.A.; University of Oregon

HEINRICK, JOHN R. Physical Education
Department Chairman, Physical Education
University of Puget Sound, B.A., B.Ed.; Washington State University, M.A.

HESS, VERNON L. English
Friends University, B.A.; Stanford University, M.A.

HIATT, DONALD A. Speech
Department Chairman, Speech-Drama
University of Puget Sound, B.A.; Stanford University, M.A.; University of Washington

HO, YUN-YI History
National Taiwan University, B.A.; University of Minnesota, M.A.

HUFFMAN, GEORGE E. History
University of Washington, B.A.; Western Washington State College

HYDE, JACK H. Geology
University of Washington, B.S., M.S.
(On leave of absence during 1970-71)
JACOBSON, PAUL E.  Dean of Instruction
University of Illinois, B.S.; Northwestern University, Ph.D.; San Jose State College

JAECH, WARREN KARL  Mathematics
Pacific Lutheran University, B.A.; University of Puget Sound, B.Ed.; University of Washington, Western Washington State College, M.Ed.

JANSEN, GEORGE THOMAS  Financial Aids Officer
University of Puget Sound, Central Washington State College, University of Washington, B.A.; Pacific Lutheran University, University of Oregon, M.Ed.

JANSEN, LUTHER T.  Sociology
University of Washington, B.A., M.A.; Union Theological Seminary, S.T.B., Columbia University

JONES, MONTY B.  Evening School Supervisor
Western Washington State College, B.A., M.Ed.

KEELY, TIMOTHY R.  Business
Department Chairman, Business-Economics
University of Puget Sound, Seattle University, St. Martin's College, B.A.; University of Washington, M.B.A.; Pacific Lutheran University

KOSAI, JOSEPH H.  Admissions and Records Officer
University of Washington, Eastern Oregon College, B.S.; Washington State University, University of Puget Sound, M.Ed.

LATHROP, ROBERT C.  Dean of Students

LEONETTI, DONNA L.  Anthropology
Barnard College, University of Washington, B.A., M.A.

LEWIS, RICHARD G.  English
University of Puget Sound, B.A., B.Ed.; University of California at Los Angeles, University of Washington, University of Puget Sound, M.A.
(On leave of absence during 1970-71)

LUKIN, LEONARD  English
University of Puget Sound, B.A.; Seattle University, University of Puget Sound, M.A.

LUNDQUIST, RONALD L.  Counselor
Department Chairman, Counseling
Clark College, A.A.; University of Puget Sound, B.A.; University of Puget Sound, Washington State University, M.Ed.

LYNCH, PAMELA F.  Librarian
Pomona College, Sorbonne, University of Washington, B.A., M.A., M.L.S.
MAGDEN, RONALD E.  
Division Chairman, Social Science  
University of Idaho, B.A., M.A.; University of Washington, Ph.D.

MAYNARD, HARLAND F.  
Pacific Lutheran University, B.A.; University of Washington, M.A.

MARRIOTT, DEDE R.  
Department Chairman, Foreign Language  
Pacific Lutheran University, University of Heidelberg, University of Washington, B.A., M.A.

McCABE, IVONNA I.  
Department Chairman, Biological Sciences  
University of Puget Sound, B.S., M.S.

MCCARTHY, JOANNE H.  
University of Montana, B.A.; University of Puget Sound, M.A.

MCCOURT, JEROME M.  
Georgetown University, A.B.; University of Washington, M.A.

MCDADE, GEORGINA L.  
Southern University, B.A.; Atlanta University, University of Washington.

MCLELLAN, DANN H.  
Washington State University, B.A., M.A.

MCLELLAN, TOM L.  
Department Chairman, History-Political Science  
Pacific Lutheran University, B.A.; University of Washington, M.A.; Washington State University, Ph.D.

MCNEAL, EDGAR L.  
Department Chairman, Physical Sciences  
Washington State University, B.A.; University of Pennsylvania, M.S.

MICHAELS, PAUL S.  
Department Chairman, Art  
Washington State University, University of Washington, B.A., M.F.A.

MORGAN, MURRAY CROMWELL  
University of Washington, B.A.; Columbia University, M.A.

MOSEID, DONALD O.  
University of Puget Sound, B.A.; Oregon State University, M.Ed.

MUSE, WILLIAM M.  
Pacific Lutheran University, B.A.; University of Puget Sound, B.Ed.; Oregon State University, M.S.

OLIVE, JAMES E.  
Grambling College, B.A.

PACKARD, WILLIAM S.  
University of Washington, B.A., M.A.
PALO, MARY C.  Counselor
Central Washington State College, B.A.

PASCOE, PAULA E.  Student Activities Coordinator
Arizona State University, B.A., M.A.; Washington State University

PATTERSON, EDWARD R.  Counselor
Montana State University, B.S.; Washington State University, M.Ed.; Oregon University System

PERCY, LOYD R.  Mathematics
Athletic Director and Commissioner
University of Puget Sound, B.A.; University of Minnesota, M.Ed.

PERKINS, RICHARD A.  Biology
University of Puget Sound, B.S., M.S.
(On leave of absence during 1970-71)

POTTER, DALE E.  Chemistry
Florida Southern College, B.S.; University of Arizona, Ph.D.

RAGSDALE, ROGENE S.  Health Adviser
University of Kansas, St. Luke’s School of Nursing, Racine, Wisconsin, R.N.; Southwestern College, B.A.; Midwestern Texas University, University of Colorado, University of Washington, University of Puget Sound

RHEA, RICHARD C.  Art
Pacific Lutheran University, B.A.; University of Washington, M.F.A.

RHULE, ROBERT R.  Director of Community Services

SCHAFFER, HENRY J.  Dean of Community Services
University of Puget Sound, B.A., M.Ed.; Washington State University, M.A.
(On leave of absence during 1970-71)

SHULENBARGER, GERALD R.  Psychology
Yakima Valley College, A.A.&S.; Central Washington State College, B.A., M.Ed.

SHULL, BRICE H.  Speech
Pacific Lutheran University, B.A., M.A.; University of Washington

SIGMEN, GARY EDWARD  Economics
University of Washington, B.A.; Washington State University, M.A.

SIMONSON, CAROLYN A.  English
Grinnell College, B.A.; Northwestern University, M.A.
SKAGEN, MORRIS W.  Librarian
Head Librarian
University of Washington, B.A., M.B.A., M.L.S.

SKrivseth, susann lee  Physical Education
Oregon State University, B.S., M.Ed.; University of Hawaii

STEPHAN, Lorraine F.  Business
Western Michigan University, B.A., M.B.A.

SUMMERS, charles B.  Speech
Western Washington State College, B.A.; University of Illinois, M.A.

SUMMERS, MORRIS F.  Drama
Acting Division Chairman, Humanities
University of Puget Sound, B.F.A.; University of Southern California, M.A.

SUNDGREN, ANN SHEA  Sociology
Department Chairman, Behavioral Sciences
University of Washington, B.A., M.A.

SwARTHOUT, JOHN vanlewEn  Political Science
University of Washington, University of Utah, Portland State College, B.A.; Indiana University, M.A.

THADEN, ROBERT F.  General Education
General Education Coordinator
Gonzaga University, B.Ed.; University of Washington, University of Puget Sound, M.Ed.; Oregon State University

THORNBURG, ROBERT C.  Community Services
University of Puget Sound, B.A.; University of Puget Sound, University of California at Los Angeles, University of Missouri, Oregon State University, University of Washington

TRACEY, DONALD E.  Art
Burnley School of Art, Central Washington State College, B.A.; University of Washington, M.F.A.; University of Puget Sound

TUTTLE, JOHN H.  French
Reed College, B.A.; George Washington University, Columbia University, M.A., Ph.D., Hunter College

URSCHEL, JR., MELvin F.  Biology
Wichita State University, Colorado State University, B.S. M.S.; University of Washington

VAN MIEGHEM, GEORGE  Dean of Administrative Services
St. Martin’s College, B.S.

VAUGHAN, GERALD A.  Assistant to the Director of Community Services
Morningside College, B.A.; University of Edinburgh, Rocky Mountain College

WEiHS, FRANK A.  English
Reed College, Portland State College, B.A.; University of Washington, M.A.
WHISNER, DAVID R.  
Music  
University of Puget Sound, Louisiana State University, B.M., M.M.

WINES, CAROLE H.  
Reading and Learning Skills  

WISEMAN, VERA J.  
Biology  
Ohio Wesleyan University, University of Puget Sound, B.A., M.A.

WITT, FRANK E.  
Biology  
Pacific Lutheran University, B.A.; University of Puget Sound, Washington State University, M.A.T.

WITTENFELD, WILLIAM PAUL  
Mathematics  
Department Chairman, Math-Engineering  
Olympic College, Western Washington State College, B.A.; University of Washington, Western Washington State College, M.A.

WIRSING, DALE R.  
Public Information Officer Communications  
University of Puget Sound, B.A.; Stanford University, M.A.; University of Wisconsin, Washington State University

ZIMMERMAN, EDWARD ARTHUR  
Mathematics  
Clark College, A.A.; University of Washington, B.S.; University of Idaho, M.S.

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