

Tacoma

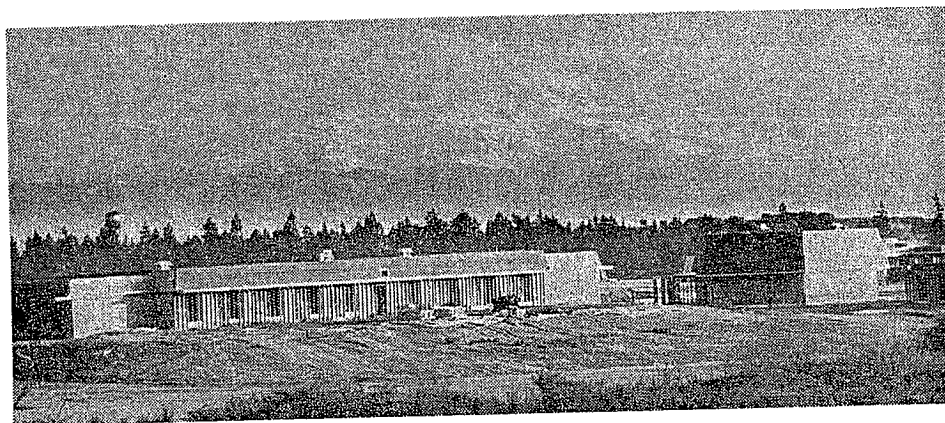
Community

College

1966-67 Catalog

DEPARTMENT OF RESEARCH

Tacoma Community College



1966-67 Catalog

5900 So. 12th
Tacoma, Washington 98465

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1966-67 CALENDAR

Fall Quarter

September 1	Staff day. Faculty reports
September 12-23	Registration
September 26	Classes begin
September 30	Last day to add a course
November 11	Veterans Day (Holiday)
November 18	Last day to withdraw from a course
November 25-26	Thanksgiving Vacation
December 20-22	Final examinations
December 22	Last day of fall quarter
December 23	Staff day

Winter Quarter

January 2	Registration Changes
January 3	Classes begin
January 6	Last day to add a course
February 20	Last day to withdraw from a course
February 22	Washington's birthday (Holiday)
March 14-16	Final examinations
March 16	Last day of winter quarter
March 17	Staff day

Spring Quarter

March 27	Registration Changes
March 28	Classes begin
March 31	Last day to add a course
May 15	Last day to withdraw from a course
May 30	Memorial Day (Holiday)
June 5-7	Final examinations
June 7	Last day of spring quarter

ADMINISTRATION

BOARD OF DIRECTORS, TACOMA SCHOOL DISTRICT NO. 10

Frank J. Gillihan, President

J. L. Boze, Vice President

John H. Anderson

Michael J. Sterbick

David R. Tuell, Jr.

DISTRICT ADMINISTRATION

Angelo Giaudrone, Superintendent

Joseph P. Lassoie, Deputy Superintendent

Henry J. Bertness, Assistant Superintendent:
Pupil Personnel Services

Trygve I. Blix, Assistant Superintendent:
Personnel

Alex Sergienko, Assistant Superintendent:
Administrative Planning and Development

Toney Shelton, Secretary and Business Manager

COLLEGE ADMINISTRATION

Thornton M. Ford, President

Richard C. Falk, Dean of Students

John N. Terrey, Dean of Instruction

George Van Miegham, Fiscal Officer

MESSAGE FROM THE PRESIDENT



As Tacoma Community College begins its second year of operation traditions are emerging — even before the plaster is dry. The dialogue in the classroom has begun. This year it will continue amidst the ring of construction activities.

Entering students are welcomed by the Board of Directors, the Tacoma School District administration and the faculty of the college. They are also welcomed by the student body.

This year will witness many changes and much growth — in the buildings, in the participation of the students and faculty, in the educational process, and in the minds and future of each student who comes to the college in pursuit of knowledge.

THORNTON FORD
President

ORGANIZATION AND HISTORY

Tacoma Community College is an integral part of the educational program of Tacoma School District No. 10. The college was officially designated by the Washington Board of Education in July, 1963, to open in September, 1965. The college with the Tacoma Vocational-Technical Institute provides a comprehensive post-high school educational program for the Tacoma and Pierce County area.

Tacoma Community College is located on the west side of the city. Its 150 acre site is bordered by Pearl and Mildred Streets between South 19th and South 12th. Modern facilities are designated especially for the educational programs of the college. When the present building program is completed Tacoma Community College students will enjoy one of the most complete and carefully planned campuses in the country.

The voters of Tacoma School District No. 10 provided the initial construction funds for the college. Nineteen buildings are now either completed or under construction. With the aid of state matching funds, permanent facilities for the first 2500 students will be completed during this academic year.

OBJECTIVES

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

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

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

ACCREDITATION

Tacoma Community College is authorized by the Washington State Board of Education. Application for regional accreditation will be made as soon as the college has successfully met certain criteria and has graduated a class.

College transfer courses taken at Tacoma Community College are transferable to four-year colleges and universities under conditions similar to those at the University of Washington as cited below:

Credits for college level courses will be accepted by the University from a community college authorized by the Washington State Board of Education, but as yet not accredited by the Northwest Association of Secondary and Higher Schools, and will be fully validated upon successful completion (a cumulative grade point average of 2.00) of twenty-four quarter credits at the University.

GENERAL INFORMATION

ADMISSION PROCEDURES

All graduates of accredited high schools are eligible to apply for admission to the college. Other students may become eligible for admission through special permission from the Dean of Students.

APPLICATION

Every student is classified as either a regular student or a special student.

- **Regular Student.** A regular student is one who wishes to pursue an associate degree and/or one who wishes to transfer his credits to a senior institution. Apply for admission under Procedure I below.
- **Special Student.** A special student is one who does not wish to work for an associate degree and does not wish to transfer credits to a senior institution. Apply for admission under Procedure II below.

Any special student may change his status to that of Regular Student by completing all the steps under Procedure I.

NOTE: Students seeking admission to the Community Services Program for courses which do not carry credit should consult that section in the catalog. (See page 18)

PROCEDURE I — REGULAR STUDENT

1. Obtain and complete 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 Admissions to Washington Higher Institutions" with the required \$5.00 records fee to:
Admissions and Records Office
Tacoma Community College
5900 So. 12th St.
Tacoma, Washington
3. Arrange to have pages 2 and 3 of the "Application for Admission" form completed and sent by the high school last attended. Advise the high school to forward the information to the college after completion of grade twelve.
4. If the applicant has attended any other college, transcripts must be mailed directly from the previous college (or colleges) attended.
5. Applicants are advised to participate in the Washington Pre-College Testing program before graduating from high school. Test results should be forwarded to Tacoma Community College.

6. Each student will receive a Student Health Report form with the acknowledgement of his application. The student assumes the responsibility 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 Health Counselor at the college.

PROCEDURE II — SPECIAL STUDENT

1. Obtain and complete 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 I of the "Application for Admission to Washington Higher Institutions" with the required \$5.00 records fee to:

Admissions and Records Office
Tacoma Community College
5900 So. 12th St.
Tacoma, Washington

3. Each student will receive a Student Health Report form with the acknowledgement of his application. Special students must complete the Medical History portion of the form and include a negative tuberculosis report when the record is returned to the college. If there is a health problem indicated, the college may request a report from the student's physician. Complete examination by a licensed physician is required before registering for physical education courses. All health reports should be returned to the college at least one week prior to registration for classes.

REGISTRATION PROCEDURES

Applicants who have been admitted by the college may register according to the following procedure:

Registration appointments are mailed to entering students approximately three weeks prior to the quarter for which they are registering. During the registration appointment, the college catalog, the quarterly Class Schedule, appropriate curriculum guides and pertinent testing data are utilized by advisors and counselors in assisting the student with program planning and the selection of courses.

- In conference with his advisor the student develops his program plan for the next quarter.
- The preliminary program of the student as approved by his advisor, constitutes his authorization to proceed with the completion of registration. An applicant must furnish his social security number to complete the registration process.

- The student should complete all official registration forms and pay the appropriate quarterly tuition and fees. A student is considered registered and is permitted to attend classes after all necessary procedures have been followed and when all fees have been paid.

NOTE: Students registering for one or two courses are advised to register under the Special Student category.

WITHDRAWING FROM A COURSE

A student may withdraw from a course at any time prior to the last four weeks of a quarter by following the procedure outlined under instruction for change of program.

CHANGE OF PROGRAM

Changes in quarterly registration are permitted on the approval of the student's advisor or, in special cases, by the Dean of Students. All changes are made by use of the Change of Program Request form available at the registration office.

The use of the Change of Program Request form applies to all changes in current registration; e.g., adding a class, withdrawing from a class. (Official withdrawal from the college is a unique process which is described separately.)

FEES

Records fee (paid once at time of first admission)\$ 5.00

Quarterly Tuition for State Residents:

Full-Time (15 or more hours) 70.00
 Part-Time, per quarter hour 4.67

Quarterly Tuition for Non-Resident Students:

Full-Time (15 or more hours) 160.00
 Part-Time, per quarter hour 10.67

(Non-resident students are those persons 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.)

Other Costs:

Special fees will be charged to cover costs in laboratory courses.

Additional fees may be charged for individual instruction, student deposits and other incidentals.

Textbooks and supplies may be purchased by the student at the College Book Store.

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 become failures if not made up by the end of the tenth week after grade reports.

WITHDRAWAL FROM COLLEGE

Any student who finds it necessary to withdraw from the college should do so through the office of the Dean of Students. 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 leaving. 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 registered.

UNSATISFACTORY PROGRESS REPORTS

A student who is not making satisfactory academic progress is notified by his instructor before the end of the fifth week of class. At that time the instructor notifies the student's advisor. A student who receives notification of unsatisfactory progress should discuss the matter with his instructor and his advisor.

GRADING AND GRADE POINTS

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

Grade	Description	Grade points per registered credit
A	Honor	4
B	Good	3
C	Average	2
D	Minimum level of achievement for passing grade	1
E	Failed to complete minimum requirements	0
W	Official withdrawal from the course	0
I	Incomplete	0

At the end of each quarter, grade reports are mailed to the student. Grades will be withheld until the student has met all financial and institutional obligations relating to the current quarter.

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 transcripts free of charge. For each additional transcript a fee of one dollar will be charged.

REFUNDS

Before the first day of class in any quarter, approved changes in registration which result in a reduction in the student's credit loan will be processed for a proportionate refund.

After the quarter begins, refunds will be made only when a student officially withdraws from college. Official withdrawals will be refunded as follows:

During 1st week of classes80%

Through 4th week of classes50%

No refunds will be made after the fourth week of classes.

Special fees will be subject to partial refund in accord with the scale used for official withdrawals.

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 earned grade will be used.

PROGRAM PLANNING

Each full-time student is assigned a faculty advisor for assistance in program planning. Part-time students may request assignment to an advisor. Individual programs designed for transfer to a four-year institution and/or the associate degree should be planned with, and approved by, a faculty advisor.

COLLEGE ORIENTATION

Each student during his freshman year is expected to complete satisfactorily a college orientation program which is designed to provide the student with the opportunity to work out a program of study consistent with his educational career plans. The course also provides an introduction to Tacoma Community College and to various campus programs including student government, library life, study habits. Psychology 110 has been designed to provide the content.

CONCURRENT REGISTRATIONS 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, R.O.T.C., approved correspondence instruction, vocational and technical training.

SCHOLASTIC PROBATION

Requirements for the associate degree include the completion of 90 quarter hours of work exclusive of physical education with a cumulative grade point average of at least 2.00.

When a student's cumulative grade point average drops below 1.50, he is automatically placed on scholastic probation. The college reserves the right to restrict the registration of any student. A faculty committee working with the Dean of Students determines restrictions.

Students who transfer to this college from another college while on scholastic probation shall enter on scholastic probation.

The purpose of scholastic probation is to alert the student to the unsatisfactory quality of his scholarship and to assist the student to overcome his academic difficulties.

DISCIPLINARY PROBATION

A student may be placed on disciplinary probation by the Dean of Students when, in the judgment of the administration, such a restriction will serve the best interests of the college and the student's pursuit of education.

CLASS SCHEDULE

The Class Schedule will be made available each quarter prior to the time of registration. The Class Schedule indicates the time, place, and instructor for each class to be offered. Classes will generally be offered from 8 a.m. to 10 p.m. on each instruction day.

CREDITS AND CREDIT LOAD

The academic year at Tacoma Community College consists of three quarters of approximately 12 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 on the associate degree for specific requirements.)

UNITED STATES AIR FORCE RESERVE OFFICER TRAINING CORPS (AFROTC)

The Tacoma Community College, in conjunction with the United States Air Force and the University of Puget Sound, offers a program which may lead to a college degree and a commission as an officer in the United States Air Force. A Tacoma Community College student may complete the Basic Military Course (BMC) portion of the AFROTC curriculum, and if otherwise qualified, be eligible to enter the Professional Officer Course (POC) when he transfers to a four-year college. By completing the BMC at Tacoma Community College he may be eligible to compete for a full tuition financial assistance grant. All students receive retainer pay of \$40.00 per month when they enter the advanced program (POC) during the last 2 years at a four-year institution. Students who successfully complete the POC are commissioned second lieutenants in the USAF when they receive their baccalaureate degree. As the University of Puget Sound is on a semester system, students will need to attend courses as they are offered at UPS. For students registering at Tacoma Community College after classes begin at UPS, make-up work will be required to bring students into phase.

(Refer to listings under Aerospace Studies for second year AFROTC courses. For additional information, call the Professor of Aerospace Studies at the University of Puget Sound.)

STUDENT SERVICES AND ACTIVITIES

An important part of college life involves each student's participation in activities at the college in addition to his regular classes. Tacoma Community College encourages each student to participate in the student government and in the various sponsored activities. The Office of the Dean of Students co-ordinates and supervises numerous programs, activities and services which are designed to promote the welfare of the students and the college.

COUNSELING AND ADVISING

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

Professional counselors are available for help with individual problems.

THE LIBRARY

Dedicated to serving the needs of students, staff, and adults of the community for sources of information and cultural enrichment, its growing collection now approaches 20,000 volumes and 350 periodicals, as well as pamphlet materials. Two librarians, two secretaries, and a number of part-time assistants are on hand to aid the students.

A major portion of one classroom building serves as a temporary library facility. In January of 1967, the library is scheduled to be moved to its permanent home in the campus Resource Center.

Community support for the library has been expressed by the formation of the "Friends of the Library," a corporation sponsored by the Kiwanis Club of Marine-Industrial Tacoma under the leadership of Mr. John Binns, Attorney-at-Law.

COLLEGE READING CLINIC

The College Reading Clinic provides a service to any student wishing to improve his reading ability. Individualized programs are worked out between the student and the instructor. No credit is granted.

HEALTH SERVICES

The college operates a health center and provides professional services appropriate to its objectives as a "commuter" institution. Professional assistance is available through the Office of the Health Counselor.

FOOD SERVICES

The college snack bar offers a variety of light meals and refreshments throughout the college day.

TRANSPORTATION

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

COLLEGE BOOKSTORE

The college bookstore stocks the supplies, materials, and textbooks required.

ARTIST-LECTURE SERIES

The Associated Students sponsor and support a wide variety of cultural activities on campus.

EMPLOYMENT SERVICES

Information regarding part-time employment is made available to interested students through the Office of the Dean of Students. The college cooperates with the numerous community agencies in assisting students to find full-time employment after earning the associate degree.

FINANCIAL AID

Three general types of financial assistance are available to a limited number of qualified applicants (tuition scholarships; tuition loans; and part-time employment on campus).

In cooperation with the Federal Government, the college operates an on-campus Work-Study Program, providing part-time employment for students who are in financial need.

Prospective students who wish to apply for financial assistance are advised to write the college requesting an "Application for Financial Aid."

Such funds are limited; therefore, prospective applicants should apply as early as possible.

Questions concerning financial aid should be directed to the office of the Dean of Students.

NOTE: Among the contributors to student financial aid are:

Tacoma Chapter of the Society of Real Estate Appraisers

West Tacoma Optimist Club

Eatonville School District No. 404

Calexico Union High School

Curtis High School

Centralia High School

Associated Student Body Sultan High School Award

Young Women's Christian Association

Lincoln Lions Ladies' Auxiliary

Benevolent and Protective Order of the Elks No. 174

Insurance Women's Club of Tacoma

American Business Women's Association—Tacoma Chapter

American Business Women's Association—Kla-How-Ya Chapter

Delta Kappa Gamma—Alpha Chapter

Sons of Italy of America

Johnny Meeker

Veteran of Foreign Wars—U.S.S. Tacoma Post No. 2329

Optimist Club of West Tacoma

Tacoma Altrusa Club

Lakewood Business and Professional Women's Club

ASSOCIATE DEGREE

Tacoma Community College grants the following degrees: Associate in Science, Associate in Technical Arts,* Associate in Liberal Arts, and Associate in Fine Arts.

The following requirements must be met by all associate degree candidates: Completion of 90 quarter hours of work exclusive of physical education.

A minimum cumulative grade point of 2.00.

One of the following:

- a. Completion of freshman and sophomore requirements necessary for transfer in good standing to a four-year institution.
- b. Completion of an individual program (including at least 9 hours of composition and 3 hours of physical education) approved by the college. Instruction taken under the supervision of the Tacoma Vocational-Technical Institute may be evaluated by the college for credit toward the associate degree on the recommendation of the Institute.

*Physical education requirements may be waived for Associate in Technical Arts Degree.

ACADEMIC PROGRAMS

EDUCATION PROGRAMS

Courses at Tacoma Community College are designed for three different programs: (1) transfer courses, (2) general studies courses, and (3) community services and adult interest courses.

The general studies and transfer courses may lead to the awarding of an associate degree.

COURSE OFFERINGS

The courses listed in this catalog describe the curricula of the college. The Class Schedule is published quarterly and includes the specific times and places of all classes to be offered.

Courses numbered in the 100 and 200 categories are designed for transfer to senior institutions. Courses with numbers below 100 are not acceptable for transfer.

The student will work out his schedule with his faculty advisor. Courses to be taken will depend upon the field the student wishes to enter and the institution to which he wishes to transfer.

A full academic load is 15 credits per quarter. Any student must obtain the approval of the dean of students in order to register for more than 16 hours per quarter.

THE GENERAL STUDIES PROGRAM

The primary purpose of the General Studies Program is to provide for the student a diversified and balanced program through brief surveys of the three major areas of the curriculum: the Math-Sciences, the Social Sciences, and the Humanities.

The program is designed specifically for two groups of students: (1) the stu-

dents who contemplate terminating their formal education with the associate degree here at Tacoma Community College and (2) the students whose academic preparations need to be strengthened before they enroll in the Transfer Program. Students transferring from the General Studies Program must complete a transfer request petition obtainable from a counselor. Permission will be granted if there is satisfactory evidence that the individual can perform adequately in the Transfer Program.

The General Studies Program includes a total of forty-five credits — one full year of college work exclusive of physical education.

General Studies

90 A, B, C Math-Sciences: (5,5,5)

A survey of mathematics, of the physical sciences, and of the biological sciences. Work will be done in lecture groups, small groups, and laboratory groups.

91 A, B, C Social Sciences: (5,5,5)

A survey of the social sciences. The students will be introduced to the major disciplines which make up the social sciences: Anthropology, Economics, Sociology, Political Science, Psychology, Geography. Students will examine in depth major problems which confront man in his relation to environment, to institutions, and to himself. Instruction will take place in lecture and discussion groups.

92 A, B, C Humanities: (5,5,5)

A survey of the humanities — art, architecture, music, literature. In addition to the subject matter of the humanities, the courses will also provide the students with instruction in reading, writing, speaking, and listening. Instruction will take place in lecture and discussion groups. (Satisfactory completion of G.S. 92 will substitute for the nine credits required in Composition for the Associate Degree.)

The balance of the program — 45 credits — is to be worked out with his academic advisor. (See Requirements for Associate Degree.)

THE COMMUNITY SERVICES PROGRAM

An important function of the college is to provide opportunities for adults in the community to pursue cultural and intellectual activities of particular interest to them. Special instruction will be made available in a wide variety of areas. Short courses, seminars, forums and lecture series will be arranged throughout the year. Individuals or groups may initiate these activities through the office of the Dean of Instruction.

- Art and music courses in addition to those in the transfer and general education curricula
- Conversational foreign language classes
- Creative writing classes
- Literary discussion classes
- Public issues and affairs forums and seminars
- Professional in-service seminars
- Dramatics
- Lectures

THE TRANSFER PROGRAM

The transfer program is designed to provide the student with academic experience equal to the first two years of a four year baccalaureate program or a professional program. A student may transfer up to 90 quarter credits exclusive of physical education.

Courses carrying numbers in the 100's and 200's are designed to be transferred to a senior collegiate institution. Specific courses should be selected in consultation with the academic advisor 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. Twenty to twenty-five hours of credit from one area of concentration may be transferred. In some professional fields, the student is advised to transfer after the first year. The student is requested to maintain close contact with his academic advisor on all matters relating to his program.



DIVISION OF AERO SPACE STUDIES

AEROSPACE STUDIES

201, 202, 203 World Military Systems: (1,1,1) F,W,S
(Sophomores)

A comparative study of world military forces to include United States land and naval forces, Free World Air Forces, Communist Military Systems and trends in the development and employment of military power. These courses must be taken concurrently with Corps Training.

211, 212, 213 Corps Training (1/2, 1/2, 1/2) F,W,S
(Sophomores)

This course is designed to develop in the cadet the qualities of confidence and self-discipline and an ability to work harmoniously with a large group. Credits for Corps Training are accepted as substitutes for physical education activity credits. These courses must be taken concurrently with World Military Systems.

EXPLANATION OF SYMBOLS:

The numbers in parenthesis after the course numbers indicate the credits assigned to the course.

The F, W, S after the credit designation indicates that the course tentatively will be offered in the Fall, Winter, or Spring. Consult the Class Schedule which is published quarterly for the complete listing of courses to be offered.



DIVISION OF BUSINESS ADMINISTRATION

ACCOUNTING

- 210 **Fundamentals of Accounting: (3) F,W**
An introduction to the basic principles, theories, and procedures, including reporting of business transactions; development and interpretation of accounting reports.
Prerequisite: Satisfactory mathematics proficiency.
- 220 **Fundamentals of Accounting: (3) W,S**
Continuation of 210. Elements of manufacturing, partnership, and corporation accounting.
Prerequisite: Accounting 210.
- 230 **Basic Accounting Analysis: (3) F,S**
Factors of accounting involved in decision making — financial interpretation and cost analysis.
Prerequisite: Accounting 220.
- 256 **Statistical Analysis: (3) S**
A survey of the basic elements of descriptive statistics: use of the library as a source of business data; measurements useful analysis data; methods of data presentation.
Prerequisite: Mathematics 101 or its equivalent.

BUSINESS

- 101 **Business: An Introductory Analysis: (5) F,W**
A course especially designed for students wishing to explore the opportunities in the field of business. Examines the role of business in a modern economy, including its growth, structure, organization, and relationship to environment. Examines business firms: their objectives, functions and management. Examines problems of organizations, decision making, controls, and related aspects.

BUSINESS LAW

- 201 **Legal Factors in the Business Environment: (3) W**
Study of legal institutions and processes as they apply to the business community; a view of the law as a system of social thought and behavior, including the law as a frame of order and authority within which rival claims are resolved and compromised; a review of legal reasoning; a study of the interaction of law and business; and an examination of the role of the lawyer and the business firm.
- 202 **Business Agreements: (3) S**
The principles of contract law affecting business agreements, including their nature, development, and operation.
Prerequisite: Business Law 201.



DIVISION OF COMMUNICATIONS SPEECH

COMMUNICATIONS

- 200 **News Writing: (3) F,S**
Structure of news and feature stories. Not open to freshmen. Reasonable proficiency in the use of the typewriter required.
- 201 **Communications Today: (3) F**
An introductory course in theory, including analysis of the communications process and a survey of contributions of the various disciplines as applied to mass media news, advertising, and editorial interpretations.
- 202 **History of the Press in America: (2) W**
An examination of the ideas and the men who shaped the American press.
- 203 **The Press in Contemporary America: (2) S**
A study of the responsibility of the press, including the ethics of journalism.
- 250 **Survey of Radio and Television: (3) F**
A history of the industry — both radio and television — including the organization and regulation.
- 251 **Broadcast Performance: (3) S**
An examination of the problems of performance, including the techniques of demonstration and interviewing.
Prerequisite: Communications 250.
- 260 **Radio and Television Production: (3) W**
A general view of performance, including timing, microphone setups, lighting, sound effects, music.
Prerequisite: Communications 250.
- 270 **Elements of Radio and Television Writing: (3) S**
An introduction to the principles of writing for radio and television audiences. Student should have reasonable proficiency in the use of the typewriter.
Prerequisite: English 103 and Communications 250.

ENGLISH

101A Composition: (3) F,W,S

The same as English 101 except the class includes two laboratory periods per week. The class meets five times each week for 3 credits. Students are assigned to English 101A on the basis of evidence in the Washington Pre-College Test and high school transcript. Students transferring from the General Studies Program will be assigned to English 101A.

101, 102, 103 Composition: (3,3,3) F,W,S

Application of the basic rules of composition through exercises in expository, descriptive, and argumentative writing. Collateral readings in fiction and non-fiction are included.

Prerequisite: Satisfactory score on the Washington Pre-College Test.
English 101 for 102 and 102 for 103.

SPEECH

100 Basic Speech Improvement: (5) F,W,S

Designed to develop the fundamentals of good speech as a means of communication. Speech experiences are provided, stressing orderly thinking, emotional adjustment, adequate voice, articulation. Conferences with instructor included.

110 Voice Improvement: (2) S

Analysis of the mechanics of speech. Study of the effective use of the voice in reading and speaking. Emphasis on articulation, projection, and vocal variety.

140 Oral Interpretation: (5) S

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 are read aloud.

220 Introduction to Public Speaking: (5) W,S

A basic course in public speaking, emphasizing organization and choice of material, thought, voice, action, and delivery. Speeches are made before the class for criticism.

230 Essentials of Argument: (5) (Not offered in 1966-67)

An application of logical principles of discourse in order to develop good reasoning and standards for criticism. Attention is given to casual relations, analysis, evidence, refutation, proof, and the organization of persuasive speaking.

235 Parliamentary Procedure: (3) W

A study based on Robert's Rules of Order in conducting and organizing public meetings.



DIVISION OF FOREIGN LANGUAGES

FRENCH

- 101, 102, 103 **Elementary French (5,5,5) F,W,S**
An introduction to the French language through the use of the oral-aural methods. The Language Laboratory is used for practice.
Prerequisite: French 101 for 102; 102 for 103.
- 201, 202, 203 **Intermediate French: (5,5,5) F,W,S**
Second-year French. Intensive practice in reading, writing, and speaking. Review of French grammar. Oral practice through the Language Laboratory.
Prerequisite: French 103 or advanced placement for French 201; 201 for 202; 202 for 203.
- 299 **French: Special Problems: (Variable credit) (By Arrangement)**
Individual programs. Admission by permission of the instructor.

GERMAN

- 101, 102, 103 **Elementary German: (5,5,5) F,W,S**
An introduction to the German language through the use of the oral-aural methods. The Language Laboratory is used for practice.
Prerequisite: German 101 for 102; 102 for 103.
- 201, 202, 203 **Intermediate German: (5,5,5) F,W,S**
Second-year German. Intensive practice in reading, writing, and speaking. Review of German grammar. Oral practice through the Language Laboratory.
Prerequisite: German 103 or advanced placement for German 201; 201 for 202, 202 for 203.
- 299 **German: Special Problems: (Variable credit) (By Arrangement)**
Individual programs. Admission by permission of the instructor.

RUSSIAN

- 100, 105, 200 **Introduction to Russian: (5,5,5) F,W,S**
An introduction to the Russian language including extensive oral practice to afford assimilation of basic structural features. Introduction to reading and composition. Study includes use of the Language Laboratory.

SPANISH

101, 102, 103 Elementary Spanish: (5,5,5) F,W,S

An introduction to the Spanish language through the use of the oral-aural methods. The Language Laboratory is used for practice.

Prerequisite: Spanish 101 for 102; 102 for 103.

201, 202, 203 Intermediate Spanish: (5,5,5) F,W,S

Second-year Spanish. Intensive practice in reading, writing, and speaking. Review of Spanish grammar. Oral practice through the Language Laboratory.

Prerequisite: Spanish 103 or advanced placement for Spanish 201; 201 for 202; 202 for 203.

299 Spanish: Special Problems: (Variable credit) (By Arrangement)

Individual programs. Admission by permission of instructor.



DIVISION OF HUMANITIES

ART

- 100 **Introduction to Art: (5) F,W,S**
For non-majors. Designed to lead to an understanding and appreciation of art, with special emphasis on the contemporary period of painting, sculpture, architecture and the decorative arts. Lecture and studio work.
- 105, 106, 107 **Drawing: (3,3,3) F,W,S**
Exploration of various techniques and media through the study of composition, perspective, and form.
Prerequisites: Art 105 for 106; Art 106 for 107.
- 109 110 **Design: (3,3) F,W**
Fundamentals of art structure as the basis for creative work. Organization of line, space and color.
Prerequisite: Art 109 for 110.
- 129 **Appreciation of Design: (2) S**
Lectures on design fundamentals, illustrated with slides and paintings, pottery, textiles, etc. Reading and reference work.
- 201, 202, 203 **Ceramic Art: (3,3,3) (Not offered 1966-67)**
Beginning pottery: Hand-building, processes, wheel-throwing, glazing, kiln firing.
Prerequisite: 107, 110, 129 for 201; 201 for 202; 202 for 203.
- 212, 213, 214 **History of Western Art: (3,3,3) F,W,S**
An introduction to the major achievements and the principle media from pre-historic time to the present, illustrated lectures. 212 Ancient and Medieval; 213 Renaissance and Baroque; 214 Modern Period.
Prerequisite: 212 for 213; 213 for 214.
- 256, 257 **Painting: (3,3) F,W**
Oil painting: still life and landscape.
Prerequisites: Art 107, 110, 129 for 256.
- 258 **Water Color: (3) W**
Principles of composition, design, study of color and the understanding and mastery of technical problems in handling water colors.
Prerequisite: Art 107, 110, and 129.

- 259 **Advanced Water Color: (3) S**
Continuation of Art 258.
Prerequisite: Art 258.
- 265, 266, 267 **Advanced Drawing: (3,3,3) F,W,S**
Advanced drawing from the model, still-life and landscape.
Prerequisite: Art 107, 110, and 129 for 265; 265 for 266; 266 for 267.
- 272, 273, 274 **Beginning Sculptor Composition: (3,3,3) (Not offered in 1966-67)**
Fundamentals of composition in the round and relief; concept in form relationships, work in clay, plaster and wood. Discussions and sketch book.
Prerequisites: Art 107, 110, and 129 for 272; 272 for 273; 273 for 274.

DRAMA

- 101, 102, 103 **Introduction to the Theater: (2,2,2) F,W,S**
Designed to acquaint the student with the nature of theater art — its elements and its present state. Emphasis is on the modern American theater. These courses are not acting courses.
Prerequisite: Drama 101 for 102; 102 for 103.
- 151, 152, 153 **Acting: (3,3,3) F,W,S**
Class and laboratory study of the basic principles and techniques of acting. Improvization in pantomime and dialogue. Scenes from plays will be prepared and performed. These courses may be taken concurrently with Drama 101, 102, and 103.
Prerequisite: Drama 151 for 152; 152 for 253.

ENGLISH (LITERATURE)

- 257 **Introduction to Poetry: (5) F**
A study of poetry based on readings primarily from British and American sources.
- 258 **Introduction to Fiction: (5) W**
A study of fiction based on readings of short stories and novels.
- 259 **Introduction to Modern Drama: (5) S**
A study of modern drama based on reading of twentieth-century plays.
- 264 **English Literature: From Beowulf through Shakespeare: (5) F**
A survey of English literature from the beginnings to 1600 with emphasis on major figures and types, includes Beowulf, Chaucer, Spenser, and Shakespeare.
- 264 **English Literature: From Donne through Blake: (5) W**
A survey of English literature from John Donne through William Blake, with emphasis on Milton, Pope, Swift, Fielding, and Johnson.
- 266 **English Literature: From Wordsworth through Hardy: (5) S**
A survey of English literature from William Wordsworth through Thomas Hardy with emphasis on the Romantics and Victorians.

- 267 **American Literature: From the Beginnings to 1860: (5) F**
A survey of American literature from the beginning through the Civil War with emphasis on Edwards, Franklin, Cooper, Hawthorne, Thoreau, Emerson, and Melville.
- 268 **American Literature: From 1860 to 1920: (5) W**
A survey of American literature from the Civil War to the close of World War I with emphasis on Whitman, James, Howells, Adams, Twain, Norris, and Dreiser.
- 269 **American Literature: From 1920 to date: (5) S**
A survey of American literature from 1920 to the present with emphasis on Hemingway, Faulkner, Steinbeck, Farrell, Lewis, Frost, Robinson, O'Neil, and the World War II writers.

MUSIC

- 100 **Choral Singing: (1) Maximum: 3 credits) F,W,S**
Preparation and performance of selected choral works. Open to all students without audition. Three hours weekly — M,W,F and public performance.
- 101 **Fundamentals of Music: (3) F**
Fundamentals of Music and Basic Musicianship. Scales, triads, elementary harmony. Concurrent enrollment with 114 required. Recommended for Education majors. Three class sessions weekly: M,W,F
- 102, 103 **Music Theory: (3,3) W,S**
Required of all music majors. A study of basic musical concepts involving the analysis and useage of non-chromatic and chromatic harmony, form, and analysis. Concurrent enrollment in 115, 116 required. Prerequisite: Music 101 or permission for 102; 102 for 103.
- 107 **Introduction to Music: (5) F,S**
For the general college student a nontechnical 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. Recommended for Education majors. Not for Music majors.
- 114, 115, 116 **Sight-Singing and Ear Training: (1,1,1) F,W,S**
To be taken concurrently with Music 101, 102, 103. Pitch interval rhythm, and melody recognition; a vocal orientation to music symbols and notations. Prerequisite: 114 or permission for 115; 116 for 116.
- 117 **Symphonic Music: Preclassical and Classical Periods: (2) F**
Emphasis on early music, renaissance, baroque. Recommended for music majors. Prerequisite: Permission of instructor.
- 118 **Symphonic Music: Romantic Period: (2) W**
Emphasis on classical and early romantic periods. Recommended for music majors. Prerequisite: Permission of instructor.

- 119 **Symphonic Music: Contemporary Period: (2) S**
 Emphasis on late romantic and contemporary periods.
 Recommended for music majors.
 Prerequisite: Permission.
- 121-129 **Class Applied Music: (1) (Maximum: 3 credits)**
 121—Voice
 122—Piano
 Class instruction in performance medium.
 Two hours weekly, T-Th.
 Prerequisite: Permission.
- 140 **Concert Band: (1) (Maximum: 3 credits) F,W,S**
 Rehearsal and performance of band literature.
 Two 1½ hour rehearsals per week.
 Prerequisite: Permission:
- 150-159 **Private Vocal or Instrumental Instruction: (2)**
Maximum: 12 credits) F,W,S
 Time to be arranged by music department. Consult music department for special fees.
 150 Voice; 151 Piano; 152 Violin and Viola; 153 Clarinet and Saxophone; 154 Flute; 155 Trumpet; 156 Trombone; 157 French Horn; 158 Percussion; 159 Cello.
- 160 **Symphony Orchestra: (1) (Maximum: 3 credits) F,W,S**
 Preparation and performance of orchestral literature.
 Two 1½ hour rehearsals per week.
 Prerequisite: Permission.
- 170 **Ensembles: (1) (Maximum: 6 credits) F,W,S**
 Preparation and performance of chamber music in each medium. Work includes rehearsal and performance in vocal or instrumental groups. Arrangements for time will be made through the music department.
- 200 **Choral Singing: (1) (Maximum: 3 credits) F,W,S**
 A continuation of Music 100.
- 201, 202, 203 **Second-Year Theory: (3,3,3) F,W,S**
 The practical writing of musical analysis and diatonic and chromatic harmony as used in the 18th and 19th centuries.
 To be taken concurrently with Music 207, 208, 209.
 Prerequisites: 103 and 116 or permission for 201; 201 for 202; 202 for 203.
- 207, 208, 209 **Music Literature and Styles After 1750: (2,2,2) F,W,S**
 To be taken concurrently with 201, 202 and 203.
 Prerequisite: Music 103 and 116 or permission. 207 for 208; 208 for 209.
- 240 **Concert Band: (1) (Maximum: 3 credits) F,W,S**
 A continuation of Music 140.

PHILOSOPHY

- 100 **Introduction to Philosophy: (5) F**
Readings and discussions of selections from the writing of the great philosophers. Topics covered will include ethics, social ethics, the nature of reality, and the claims of both experience and reason as ways of knowing.
- 120 **Introduction to Logic: (5) W**
A study of the recognition of avoidance of fallacious reasoning; conditions of clear statement and valid reasoning; deductive and inductive logic. Applications of logical methods.
- 215 **Introduction to Ethics: (5) S**
A study of the various standards: custom, reason, religion, self-realization, good will, and happiness, that have proposed as ends of human conduct. Application of ethical theory to concepts of social good. Readings in Plato, Aristotle, Kant, Bentham, Mill, and Dewey.
- 267 **Problems in the Philosophy of Religion: (5) W**
Definition of religion and study of religious thought. Examination of problems of evil, the nature of God, free will, morality, immorality.



DIVISION OF MATHEMATICS AND ENGINEERING

GENERAL ENGINEERING

- 100 **Engineering Orientation: (1) F,W**
An introductory view of the fields of engineering including lectures, discussions, and reading assignments. Designed to acquaint the student with the fields of engineering and the opportunities in each.
- 101 **Engineering Graphics (3) F**
First course in engineering drawing. Acquaints the student with the use of instruments, scales, lettering and line work.
- 102 **Engineering Graphics: (2) W**
A continuation of General Engineering 101. Work on orthographic projection, reading and interpretation of engineering drawings, diagrams, notes and other forms of graphic representation.
Prerequisite: General Engineering 101.
Use of graphics in the solution of problems in different fields of engineering.
- 103 **Applied Descriptive Geometry: (3) S**
Includes point, line, plane problems, intersections and developments and vectors in three dimensions.
Prerequisite: General Engineering 102.
- 111 **Engineering Problems: (3) W**
An introduction to some fundamental principles, including dimensional analysis, statics, rectilinear motion with uniform and nonuniform acceleration, vector algebra, and Newton's laws. Designed to develop the ability to analyze and solve engineering problems.
Note: Not required of students transferring to Washington State University.
Prerequisites: High school physics and good mathematics background.
Can be taken concurrently with Mathematics 105.
- 112 **Statics: (3) S**
A fundamental and rigorous course in engineering statics using the vector notation treatment.
Prerequisites: General Engineering 101 and 111 and Mathematics 124, which may be taken concurrently.

- 115 **Introduction to Digital Computing: (2) S**
The same as Mathematics 114.
Prerequisites: Mathematics 124 and 125, which may be taken concurrently.

MATHEMATICS

- 101 **Intermediate Algebra: (5) F,W,S**
Fundamental algebraic operations and concepts. Similar to the third term of high school algebra.
Prerequisite: One year of high school algebra, one year of geometry and satisfactory score on math placement test.
- 104 **Plane Trigonometry: (3) W,S**
Trigonometric functions, identities, equations, inverse functions, graphs, logarithms, and solution of triangles.
Prerequisite: One and one-half years of high school algebra or Math 101; one year of high school geometry and satisfactory score on math placement test.
- 105 **College Algebra: (5) F,W,S**
Real and complex number systems; sets and equations and matrices; inequalities; functions and relations; algebraic, exponential, and logarithmic functions.
Prerequisite: One and one-half years of high school algebra and satisfactory score on math placement test or Math 101.
- 114 **Elementary Computer Programming: (2) S**
Programming and coding of problems for automatic digital computers. Flow charts, loops, subroutines. Codes written will be executed by machine.
Prerequisite: Mathematics 101 or equivalent.
Note: Same as General Engineering 115.
- 124 **Analytic Geometry and Calculus: (5) F**
Plane analytic geometry, limits, the derivation, differentiation. The differential and elementary applications of differential calculus. Introduction to integration.
Prerequisites: Math 104, 105 or equivalent.
- 125 **Analytic Geometry and Calculus: (5) W**
Solid analytic geometry. Definite and indefinite integral and integration. The differentiation of transcendental function and parametric equations.
Prerequisite: Mathematics 124.
- 126 **Analytic Geometry and Calculus: (5) S**
Methods of integration, multiple integral, partial differentiation, improper integrals, indeterminate forms, vector algebra.
Prerequisite: Mathematics 125.
- 224 **Intermediate Analysis: (3) F**
Infinite series, complex functions, elementary differential equations.
Prerequisite: Mathematics 126.

- 238 **Elements of Differential Equations: (3) W**
Elementary methods of solution, linear differential equations of second and higher order.
Prerequisite: Mathematics 224.
- 240 **Introduction to Statistics: (3) S**
Statistical reasoning treating the nature of statistics; statistical description, ideas of probability, measurement, sampling distributions, and organization of data.
Prerequisite: Mathematics 101 or equivalent.
NOTE: Many disciplines require an introductory course in statistics, viz. Psychology, Sociology, Business, and Education. Mathematics 240 is a general course designed to meet the needs in all the disciplines.



DIVISION OF PHYSICAL EDUCATION

PHYSICAL EDUCATION

100-190 Activities: (1 credit each)

All regular students are required to complete three credits in Physical Education. (Students planning to transfer to Washington State University should take six credits in Physical Education.)

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.

Courses marked "m" are for men only; those marked "w" are for women only. All unmarked courses are coeducational.

101-109 Developmental Activities: (1 credit each)

102w Movement Fundamentals

106m Body Conditioning

108m Weight Training

110-119 Aquatics: (1 credit each)

112 Beginning Swimming: For non-swimmers

113 Intermediate Swimming

114 Advanced Swimming

115 Diving

116 Life Saving

120-128 Dance: (1 credit each)

120 Beginning Social Dance

121 Intermediate Social Dance

122 Beginning Folk Dance

123 Intermediate Folk Dance

124 International Folk Dance

125 Modern Dance

126 Intermediate Modern Dance

130-139 Dual Sports: (1 credit each)

132 Beginning Badminton

133 Intermediate Badminton

- 134 Fencing
- 136 Beginning Tennis (The student furnishes equipment)
- 137 Intermediate Tennis (The student furnishes equipment)
- 138 Handball
- 139m Beginning Wrestling

- 140-149 **Team Sports:** (1 credit each)
 - 141w Field Hockey
 - 142m Basketball
 - 142m Softball
 - 143w Softball
 - 144m Speedball and Soccer
 - 144w Speedball and Soccer
 - 145m Volleyball
 - 145w Volleyball
 - 147m Touch Football

- 150-159 **Individual Sports:** (1 credit each)
 - 150 Archery
 - 151w Gymnastics, Tumbling, and Rebound Tumbling
 - 151m Apparatus Stunts and Tumbling
 - 152 Beginning Bowling (Alley fee—\$6.00)
 - 153 Intermediate Bowling (Alley fee—\$6.00)
 - 154 Beginning Golf (Green fee—\$5.00)
 - 155 Intermediate Golf (Green fee—\$5.00)
 - 158 Ice Skating (Fee—\$7.00)

- 180-189 **Varsity Sports:** (1 credit each)

Note: Varsity sports will be offered as facilities become available.

 - 181m Varsity Basketball
 - 182m Varsity Baseball
 - 183m Varsity Track
 - 184m Varsity Wrestling
 - 185m Varsity Golf
 - 185w Varsity Golf
 - 186m Varsity Tennis
 - 186w Varsity Tennis
 - 187m Varsity Skiing
 - 187w Varsity Skiing
 - 188m Varsity Swimming
 - 188w Varsity Swimming
 - 189 Varsity Gymnastics (Coeducational)

Credit for a second year may be earned in all varsity sports.

PHYSICAL EDUCATION PROFESSIONAL COURSES

- 190 **Introduction to Physical and Health Education**
(Men and Women): (3) F
Survey of and orientation to the professional fields of physical education, health education, recreational leadership, and coaching. History and philosophies; personnel qualifications, training and preparation; opportunities; organizations; related fields.

- 250 **Contemporary Health Concepts: (3) W**
Coeducational program. Investigation of contemporary health problems and the scientific concepts and knowledges essential to the comprehension and solution of these problems within society.
- 290m **Officiating: F**
Techniques of officiating football, basketball, track and field, swimming, tennis, volleyball, and soft ball.
- 292 **First Aid and Safety: (3) W**
Coeducational program. The student may meet requirements for both Standard and Advanced American Red Cross First Aid Certification. Includes safety education in schools.
- 295 **Functional Swimming and Water Safety (Coeducational) (3) S**
A course designed to prepare students for employment as teachers in the aquatic programs for camps, schools, beaches, recreation departments, the armed forces, and service organizations.
Prerequisites: P.E. 116 and American Red Cross Life Saving Card or Permission.



DIVISION OF SCIENCE

BIOLOGY

- 101, 102 **General Biology: (5,5) 101 F 102 W**
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. Three lectures, two 2-hour laboratories per week. Prerequisite: Biogy 101 for 102.
- 201 **General Microbiology: (5) S**
The classification, physiology, and techniques for cultivation of microorganisms, especially bacteriology. Three lectures, two 2-hour laboratories per week.

BOTANY

- 111 **Elementary Botany: (5) W**
Understanding the structure of seed plants through study of cells and plant organs, roots, stems, leaves, flowers; life functions of plants. Three lectures, two 2-hour laboratories per week.
- 112 **The Plant Kingdom: (5) S**
An introduction to the major plant groups of the plant kingdom. Development of plants through the ages; relationship of plants to their environment. Three lectures, two 2-hour laboratories per week. Prerequisite: Botany 111 or Biology 101-102.

CHEMISTRY

- 100 **Chemical Science: (5) F**
The study of atoms, molecules, and chemical reactions. A survey of fundamental chemical principles for nonscience majors, an introductory course for those continuing with Chemistry 101 or 140. Three lectures and two 2-hour laboratory periods per week. Prerequisite: Math 101 or its equivalency. (No credit for those who have had high school chemistry.)
- 101 **Survey of Chemistry: (5) F,W**
For non-science and non-engineering majors. Examines molecular theory quantitative relationships, solutions, acids, bases, and salts. Three lectures and two 2-hour laboratory periods per week. Prerequisites: High school chemistry or Chemistry 100 and high school algebra or Math 101. May be taken concurrently with Math 101.)

- 102 **Survey of Chemistry: (5) W,S**
Organic compounds, hydro carbons, alcohols, aldehydes, ketones, ethers, acids, fats, proteins, and carbohydrates. For non-science majors. Three lectures and two 2-hour laboratories per week. Students planning to take Chemistry 231 should not take Chemistry 102.
Prerequisite: Chemistry 101.
- 140 **General Chemistry: (5) F**
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, Math 101, or one year of Algebra.
- 150+160 **General Chemistry: Qualitative Analysis: (5) S**
Stoichiometry, aqueous solutions, kinetics, acid and base equilibria, electrochemistry, oxidation and reduction.
Prerequisite: Chemistry 140.
- 160 **General Chemistry: Qualitative Analysis: (5) S**
Periodic system, phase equilibria, metals and non metals, metallurgy and nuclear reactions. Semi-micro qualitative analysis for common cations and anions — separation and identifications.
Prerequisite: Chemistry 150.
- 221 **Quantitative Analysis: (5) F**
Volumetric and gravimetric analysis.
Prerequisite: Chemistry 160.
- 231 **Organic Chemistry: (5) W**
For students planning only two quarters of organic chemistry. Structure, nomenclature, reactions, and synthesis of the main types of organic compounds. Three lectures and two 2-hour laboratory periods per week.
Prerequisite: Chemistry 160.
- 232 **Organic Chemistry: (5) S**
Continuation of Chemistry 231.
Prerequisite: Chemistry 231.

FORESTRY

- 101 **Introduction to Forestry: (1) F**
Basic concepts of forestry, including subject matter common to the three areas, viz. management, engineering, and products.
- 102 **Development of Forestry: (1) W**
Oriented to forest engineering. Exploration of the forest engineering field. Subject matter specifically oriented to forest products. Exploration of the forest products field.
- 103 **Development of Forestry: (1) S**
Oriented to forest management. Exploration of the forest management field. Examination of private and public forest policy and its effect upon all areas of forestry.
- 204 **Dendrology: (5) S**
Identification, classification, and distribution of trees of North America.
Prerequisite: Botany 111.

GEOLOGY

- 101 **Physical Geology: (5) F,W**
Study of the minerals and rocks, as well as the processes which make up the earth. Laboratory work is included. For non-science majors.
- 102 **Geology in World Affairs: (5) W**
Study of coal, petroleum, and other important minerals, including their geological occurrence, distribution, and production. Laboratory work is included. For non-science majors.
Prerequisite: Geology 101.
- 103 **Earth History: (5) S**
Study of geology through time, including the elements of stratigraphy and paleontology. Laboratory work is included. For non-science majors.
Prerequisite: Geology 101.
- 205 **Physical Geology: (5)**
Study of the origin and development of minerals, rocks, landforms, and earth structures. Laboratory work is included.
Prerequisite: High school chemistry.
- 208 **Geology of Washington (5) S**
Study of the lithology and distribution of rocks as well as the evolution of land forms in the state of Washington. For non-science majors.
Prerequisite: Geology 101 or permission.
- 220 **Mineralogy: (5) W**
Study of rock-forming and ore minerals with emphasis on crystal structure and methods of mineral identification.
Prerequisite: Geology 101 or 205.
- 225 **Igneous and Metamorphic Petrology: (5) S**
Study of igneous and metamorphic rocks.
Prerequisite: Geology 205 and 220.

PHYSICS

- 101 **General Physics: (5) F**
The course is designed for students in general education and not for students majoring in engineering and science. A study of basic quantities of nature, motion, fluids and matter.
Three lectures, one 2-hour laboratory, and one problem session per week.
Prerequisites: High school algebra or Math 101 taken concurrently.
Geometry and trigonometry are recommended.
- 102 **General Physics: (5) W**
The study of the fields of sound, heat, and light.
Three lectures, one 2-hour laboratory, and one problem session per week.
Prerequisite: Physics 101.
- 103 **General Physics (5) S**
Study of electricity, electronics, magnetism, and modern physics.
Three lectures, one 2-hour laboratory, and one problem session per week.
Prerequisite: Physics 102.

- 121 **Engineering Physics: (5) F**
 Course designed for students planning to transfer in engineering or majoring in science. The study of mechanics — motions and the causes of motions. Emphasis will be upon theory and application of those theories for problem solving. Calculus will be a tool not only in understanding the course but in working the problems.
 Three lectures, one 2-hour laboratory, and one problem session per week.
 Prerequisites: High school physics, Math 105 or four years of high school math and Calculus 124 is recommended.
- 122 **Engineering Physics: (5) W**
 Continuation of Physics 121 with emphasis on electricity and magnetism. Three lectures, one 2-hour laboratory, and one problem session per week.
 Prerequisite: Physics 121.
- 123 **Engineering Physics: (5) S**
 Continuation of Physics 122 with emphasis on sound, heat and light. Three lectures, one 2-hour laboratory and one problem session per week.
 Prerequisite: Physics 122.

ZOOLOGY

- 111, 112 **General Zoology: (5,5) 111 F 112 W**
 A general course in zoology starting with the protoza and progressing through the phylum chordata. Animal physiology and biological principles are emphasized.
 Laboratory work includes dissections, drawings, and demonstrations of representative animals.
 Three lectures and two 2-hour laboratory periods per week.
 Prerequisite: Zoology 111 for 112.
- 207, 208 **Anatomy and Physiology: (5,5) 207 F,S 208 W**
 Study of the structure and function of the human body. Use of anatomical charts, models, and human skeletons. Dissection of a cat. Three lectures and two 2-hour laboratory periods per week.
 Prerequisite: Biology 101, 102 or Zoology 111, 112.



DIVISION OF SOCIAL SCIENCE

ANTHROPOLOGY

- 100 **Introduction to the Study of Man: (5) F,W,S**
Introductory course to the field of anthropology. A non-technical survey of the fields that make up the discipline of anthropology. Physical Anthropology: man as a biological organism, including evolution and race; Archaeology: pre-history and the beginnings of history, including the earliest cultures and civilizations; Ethnology, social anthropology, and linguistics: living societies of the world, their languages and cultures.
- 201 **Physical Anthropology: Man in Nature: (5) F**
An introduction to physical anthropology. The basic principles of human genetics, the evidence for human evolution, and the study of race.
Prerequisite: Sophomore standing.
- 202 **Cultural Anthropology: Comparison and Analysis: (5) W**
A study of selected communities around the world, including social, political, and religious institutions. Designed to illustrate the diversity and universality in human cultures.
Prerequisite: Sophomore standing.
- 203 **Archaeology: The Dawn of Tradition: (5) S**
An introductory study of the prehistoric and early history of man from the beginnings of culture in the Old World to the early Iron Age in Western Europe.
Prerequisite: Sophomore standing.
- 250 **The Nature of Culture (2) F,W,S**
For non-majors. Introduction to cultural anthropology, including the study of primitive and modern societies and their present day relationships. (Not open to students who have had Anthropology 100 or 202.)
Prerequisite: Sophomore standing.

ECONOMICS

- 200 **Introduction to Economics: (5) F**
An introductory study of the American economy with its background, operation, and problems. American capitalism is compared with communism and socialism.

- 201 **Principles of Economics: (5) W**
 A study of the operation of the American economy with emphasis on prices, wages, production, and distribution of income. The American economy is viewed in terms of the world economy.
 Prerequisite: Economics 200.
- 260 **American Economic History: (5)**
 The development of the American economy and its antecedents from 1500 to date. Stress is placed on the background of contemporary economic problems.

EDUCATION

- 200 **Introduction to American Education (3) W,S**
 An introduction to education as a profession including the nature and scope of American Education as well as an exploration of the teacher's role (not open to first quarter freshmen).

FAR EAST

- 110 **The Far East in the Modern World: (5) S**
 An introductory survey of the social, economic, and political problems of China, Japan, Korea, the Philippines, Indonesia, and Southwest Asia. The influence of Russia and other Western powers in the Far East will be examined.

GEOGRAPHY

- 100 **Introduction to Geography: (5) F,S**
 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) (Not offered in 1966-67)**
 A study of the regions, including analysis and interpretation of the cultural, economic, and resource patterns.
- 205 **Physical Geography: (5) (Not offered in 1966-67)**
 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) (Not offered in 1966-67)**
 World survey of extractive, manufacturing, and distributing activities; regional characteristics relating to the availability of resources and markets and the utilization of technological skills.

HISTORY

- 111 **History of Civilization: (5) F,W**
 Development of man from prehistoric days to the 15th Century. Social, political, cultural, and economic aspects of the great civilizations which developed during the period.
- 112 **History of Civilization: (5) W,Sp**
 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) S**
Modern civilization from 1815 to the present. Impact of industrialization on the world; the conflict of economic and political ideologies.
- 241 **American History to 1865: (5) F,W**
The development of political, social, cultural, and economic patterns in America from the beginning to the close of the Civil War.
- 242 **American History from 1865: (5) W,S**
The development of political, social, cultural, and economic patterns in America from the Civil War to the present.
- 264 **History of Washington and the Pacific Northwest: (3) F,W,S**
History of the exploration, settlement, and growth of the Northwest with emphasis on Washington, including growth of government and social institutions from discovery to the present.

POLITICAL SCIENCE

- 201 **Modern Government: (5) F,W**
Political life in the modern world; the ideas behind its democratic and non-democratic forms. A systematic and comparative study of political structures, institutions, behavior, and processes.
Note: Either 201 or 202 is normally a prerequisite for all upper division courses.
Prerequisite: Sophomore standing or permission.
- 202 **American Government and Politics: (5) W,S**
Popular government in the United States; the survey of the constitution, three branches of government, and the processes through which public policy is formulated, enacted into law, and executed.
Prerequisite: Sophomore standing or permission.
- 203 **International Relations: (5) S**
An analysis of the nation state systems; the role of the nation state and the system and the forces that influence the behavior of the state.
Prerequisite: Sophomore standing or permission.

PSYCHOLOGY

- 100 **General Psychology: (5) F,W,S**
Introduction to psychology as an academic discipline: the nervous system, heredity and maturation, sensory processes, perception and attention, statistical concepts, motivation, emotion, intelligence, learning and remembering, thinking, and personality.
- 110 **College Orientation and Career Planning: (2) F**
The purposes of the course are to examine career plans and to become orientated to campus programs. Outcomes of the course will include a plan outlining educational plans which reflect the students' goals. The course is designed for all entering freshmen who are not enrolled in the General Studies Program.
- 205 **Introduction to Personality: (5) W,S**
Introduction to personality developments, habits, functions, and motives.
Prerequisite: Psychology 100.

SOCIOLOGY

- 110 **Survey of Sociology: (5) F,W,S**
Basic principles of social relationships. Man's behavior in relation to other men and the consequent formation of organizational patterns into social groups; influence of institutional patterns of culture on human interaction.
- 120 **Marriage and the Family: (3) W,S**
A study of marriage customs and their functions; premarital patterns; changing marriage mores; practical aspects of marriage; early domestic adjustment.
Prerequisite: Psychology 100 or Sociology 110.
- 240 **Group Behavior: (5) S**
Socialization of the individual; social determination of attitudes and beliefs; adjustment techniques as important determinants of personality traits.
Prerequisites: Sociology 110 and Psychology 100.
- 270 **Social Disorganization: (5) W**
Analysis of the processes of social and personal disorganization and reorganization in relation to poverty, crime, suicide, family disorganization, mental disorders, and similar social problems.
Prerequisite: Sociology 110.

FACULTY

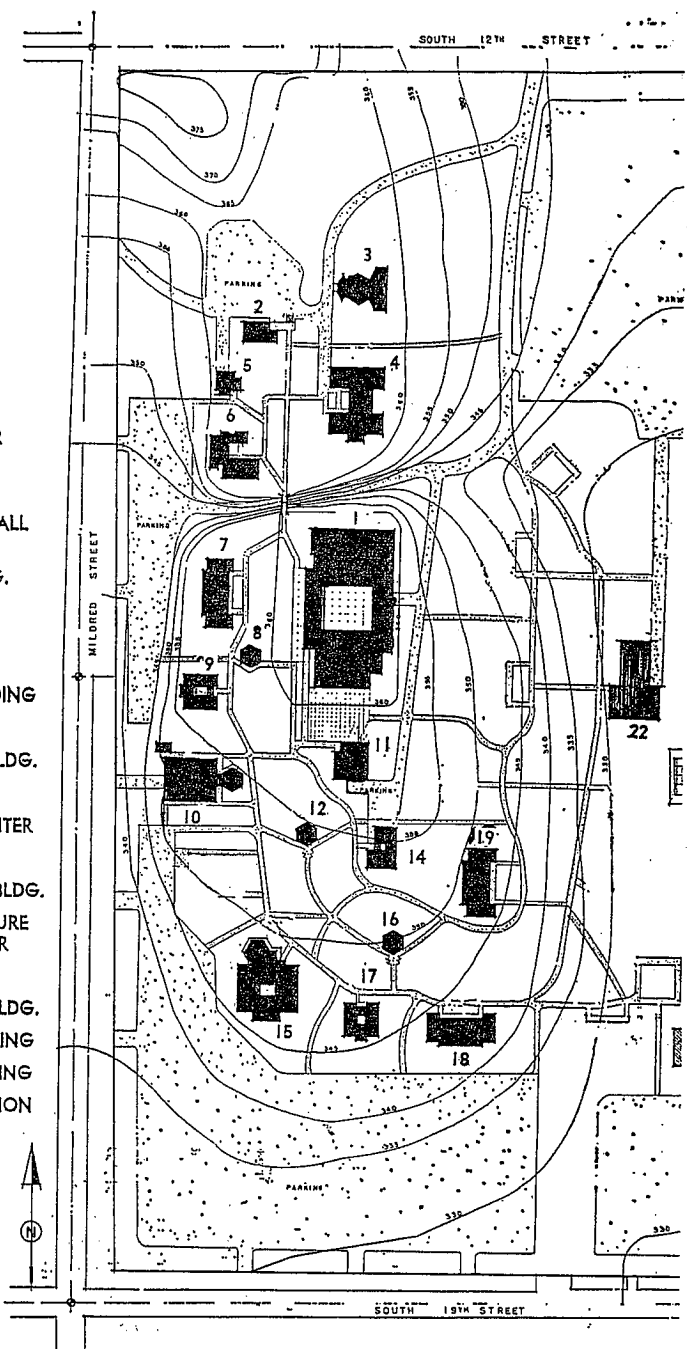
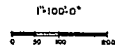
The following list of faculty members represents appointments as of April 1, 1966.

- ROBERT ARPKE** English
University of Washington, B.A.
- WILLIAM ANDERSON** Psychology
University of Idaho, B.S. Ed; M. Ed.
- DORIS BENNETT (MRS.)** English
University of Nebraska, B.A.; University of Wyoming, University of Washington, M.A.; University of Washington
- RUSSELL E. CLARK** Physics
Central Washington State College, Western Washington State College, B.A.; University of Washington, Stanford University, Reed College, Oregon State University, M.S.
- J. ALLAN CLARKE** Music
Fresno State College, B.A.; M.A.
- ROBERT H. DEZELL** Music
Washington State University, University of Washington, B.A.; Washington State University, M.A.; Washington State University
- ROLLAND EVANS** Business Adm.
University of Puget Sound, B.A.; M.A.

- RICHARD C. FALK** **Dean of Students**
University of Puget Sound, B.A.; B. Ed.; M. Ed.; Stanford
- DOREEN FAURE' (MRS.)** **Librarian**
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.
- MARIO A. FAYE** **Spanish**
Columbia Union College, B.A.; Andrews University, M.A.; University of Washington
- THORNTON M. FORD** **President**
Western Washington State College, B.A.; M. Ed; University of Washington, Washington State University, Ed. D.
- FRANK E. GARRATT** **English**
University of Illinois, B.A.; M. Ed.
- SHELDON M. GILMAN** **Political Science**
Norwich University, B.A.; University of Buffalo, University of Virginia, University of Utah, M.S.
- JOHN R. HEINRICK** **Physical Education**
Washington State University, University of Puget Sound, B.A.; Washington State University, University of Puget Sound, B. Ed.; Washington State University, M.A.T. in P.E.
- JACK H. HYDE** **Geology**
Everett Junior College, University of Washington, B.S.; M.S.; San Francisco State College
- LUTHER T. JANSEN** **Sociology**
University of Washington, B.A.; M.A.; Union Theological Seminary, S.T.B.; Columbia University, University of Washington
- MONTY B. JONES** **English**
Western Washington State College, B.A.; M. Ed.; University of California, University of Oregon, San Francisco State College
- TIMOTHY KEELY** **Economics**
St. Martin's, B.A.; University of Washington, M.B.A.
- JOSEPH H. KOSAI** **Admissions and Records**
Education, B.S.; University of Puget Sound, M.E.
- ROBERT LATHROP** **Education, Counselor**
Central Washington State College, B.A.; M. Ed.; Washington State University
- RONALD MAGDEN** **History**
University of Idaho, B.A.; M.A.; University of Washington, Ph.D.
- HARRY MARKOWICZ** **French**
University of Washington, B.A.; Sorbonne, University of Washington

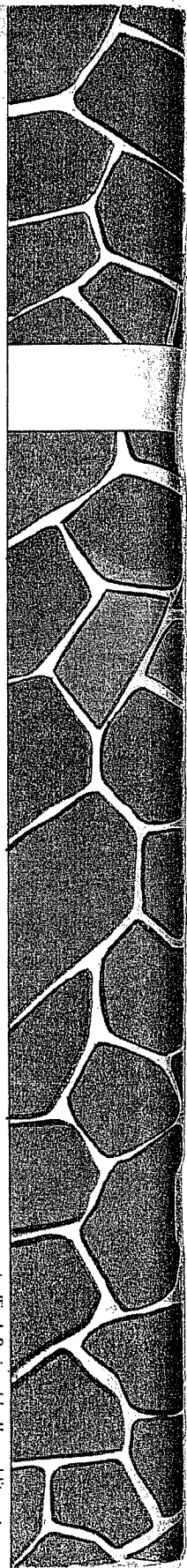
- ARTHUR D. MARTINSON History
Pacific Lutheran University, B.A.; Washington State University, M.A.;
Ph.D.
- PAUL MICHAELS Art
Washington State University, University of Washington, B.A.; M.F.A.
- MARY C. PALO (MRS.) Counselor
University of Puget Sound, Central Washington State College, B.A.;
M. Ed.
- LOYD PERCY Mathematics
University of Puget Sound, B.A.; Western Washington State College,
University of Minnesota, M. Ed.
- RICHARD A. PERKINS Biology
University of Washington, University of Puget Sound, B.S.; M.S.;
University of Wyoming
- ROGENE S. RAGSDALE (MRS.) Health Counselor
St. Luke's Hospital, Racine, Wisconsin, R.N.; Chicago University,
University of Kansas, U.C.L.A., Southwestern College, B.A.; Uni-
versity of Colorado, University of Puget Sound
- ROBERT R. RHULE English
University of Puget Sound, B.A.; B. Ed.; M.A.
- HENRY SCHAFER Mathematics
University of Washington, University of Puget Sound, B.A.; M. Ed.;
Washington State University, M.A.
- B. HOWARD SHULL Speech
Pacific Lutheran University, B.A.; M.A.
- CAROLYN SIMONSON (MRS.) English
Grinnell College, B.A.; Northwestern University, M.A.
- MORRIS SKAGEN Librarian
University of Washington, B.A.; M.B.A.; M.L.S.
- J. PAUL STEADMAN Activities Coordinator, Chemistry
Eastern Washington State College, B.A.; M.A.; Washington State
University, M.S.
- MORRIS F. SUMMERS Drama, Speech
University of Washington, University of Puget Sound, B.F.A.; Co-
lumbia University, University of Southern California, M.A.
- JOHN N. TERREY Dean of Instruction
University of Washington, Western Washington State College, B.A.;
B. Ed.; University of Chicago, Western Washington State College,
M. Ed.; Washington State University, Ed. D.
- ANTHONY THOMAS Anthropology
Stanford, B.A.; University of Colorado, M.A.
- MARGRIT A. von BREDOW German
University of Wisconsin, B.S.; University of Colorado
- MARY ANNE WEST (MRS.) English
Whitman College, Washington State University, B.A.; M.A.

- 1 INSTRUCTIONAL RESOURCE CENTER
- 2 BUSINESS OFFICE BUILDING
- 3 LARGE LECTURE HALL (250 Persons)
- 4 ART & MUSIC BLDG.
- 5 HEALTH CENTER
- 6 STUDENT ACTIVITY CENTER
- 7 CLASSROOM BUILDING
- 8 LECTURE HALL
- 9 FACULTY OFFICE BLDG.
- 10 SCIENCE BUILDING
- 11 FOOD SERVICE CENTER
- 12 LECTURE HALL
- 14 ADMINISTRATION BLDG.
- 15 CLASSROOM, LECTURE HALL & SNACK BAR
- 16 LECTURE HALL
- 17 FACULTY OFFICE BLDG.
- 18 CLASSROOM BUILDING
- 19 CLASSROOM BUILDING
- 22 PHYSICAL EDUCATION BUILDING



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Art Work Designed by Howard Stewart