

Tacoma
Community
College

1965-66 Catalog

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Community
College



1965-66 Catalog

5900 So. 12th

Tacoma, Washington 98465

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TACOMA COMMUNITY COLLEGE
1965-66 Catalog
Additions and Errata

The following courses have been added:

1. General Studies 80 A,B, and C. Improvement of Reading (2)
Improvement of reading rate, comprehension, and vocabulary. Improvement of study techniques and the use of organizational aids in textbook study. Meets two hours per day twice each week. Work includes both classroom instructor and laboratory experience.

2. Russian 101-102. Elementary Russian (5,5)
An introduction to the Russian language through the use of the oral-aural method. The language laboratory is used for practice.
Note: No credit is given for Russian 101 until Russian 102 is completed.

3. English 277. Beginning Creative Writing (3)
An introductory course in creative writing with major emphasis given to fiction but not excluding poetry and verse.

4. Physical Education 158. Ice Skating (1)
Class will be held at the Lakewood Ice Arena.
There is a \$7.00 special fee to defray rental charges.

5. Physical Education 251. Advanced Tumbling (1)
Prerequisite: P.E. 151

The following corrections should be noted in the catalog.

- Page 24 Music 107 should read (5) not (3).
- Page 25 Music 150 should read (2) not (3).
- Page 28 Aerospace Studies 111,112,113 should read ($\frac{1}{2}$) not 1.
- Page 31 General Chemistry 101 should read Survey of Chemistry 101.
- Page 32 General Chemistry 102 should read Survey of Chemistry 102.

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1965-66 CALENDAR

Fall Quarter

| | |
|-----------------|-----------------------------------------|
| September 2 | Staff day. Faculty reports |
| September 13-24 | Registration |
| September 27 | Classes begin |
| October 1 | Last day to add a course |
| October 15 | Holiday for state professional meetings |
| November 11 | Veterans Day (Holiday) |
| November 19 | Last day to withdraw from a course |
| November 25-26 | Thanksgiving Vacation |
| December 13-17 | Pre-registration for winter quarter |
| December 20-22 | Final examinations |
| December 22 | Last day of fall quarter |
| December 23 | Staff day |

Winter Quarter

| | |
|-------------|-------------------------------------|
| January 3 | Registration |
| January 4 | Classes begin |
| January 7 | Last day to add a course |
| February 21 | Last day to withdraw from a course |
| February 22 | Washington's birthday (Holiday) |
| March 7-11 | Pre-registration for spring quarter |
| March 15-17 | Final examinations |
| March 17 | Last day of winter quarter |
| March 18 | Staff day |

Spring Quarter

| | |
|-----------|------------------------------------|
| March 28 | Registration |
| March 29 | Classes begin |
| April 1 | Last day to add a course |
| April 8 | Good Friday (Holiday) |
| May 16 | Last day to withdraw from a course |
| May 30 | Memorial Day (Holiday) |
| June 8 | Graduation |
| June 8-10 | Final examinations |
| June 10 | Last day of spring quarter |

ADMINISTRATION

BOARD OF DIRECTORS, TACOMA SCHOOL DISTRICT NO. 10

Michael J. Sterbick, President

Frank J. Gillihan, Vice President

J. L. Boze

Fred T. Haley

David R. Tuell

DISTRICT ADMINISTRATION

Angelo Giaudrone, Superintendent

Joseph P. Lassoie, Deputy Superintendent

Henry J. Bertness, Assistant Superintendent: Pupil
Personnel Services

Trygve I. Blix, Assistant Superintendent: Personnel

Toney Shelton, Secretary and Business Manager

COLLEGE ADMINISTRATION

Thornton M. Ford, President

Richard C. Falk, Dean of Students

John N. Terrey, Dean of Instruction

GREETINGS

From the Board of Directors . . .

This first Tacoma Community College catalog marks a milestone on a road which began several years ago. The goal then, as now, was to extend the educational opportunities of young people in our community. The opening of our new community college is the realization of a dream for those of us who struggled to make it a reality.

The administration and board were criticized for being concerned with a community college several years ago, and for purchasing the 150-acre site. The wisdom of extending public education and selecting an adequate site is now borne out.

My colleagues on the Board of Directors will share with me the great thrill of opening day on our new campus. The facilities will expand as the year moves on. The faculty which we have chosen so carefully will begin their duties. The excitement of beginning our educational program will be shared by our entire community and it is an honor for me to be associated with the venture.

From the Board of Directors I extend to you, our first class, the highest hopes for the fulfillment of your aspirations. Our dream has just begun. It remains for you and the students who follow you to make this dream a reality. We consider it a privilege to serve you and the cause of education in this great enterprise.

We welcome you.

MICHAEL J. STERBICK, President
Board of Directors

From the Superintendent . . .

The future will belong to the educated. Dedicated citizens in our community saw the truth of that statement and they worked to bring a community college to Tacoma so that you and your fellow students would share in the future. I am grateful to all the many citizens of this area who devoted their time and their talents to the making of this college.

We know that a physical plant does not constitute a college. The campus is, however, an important part of your college life. So is the spirit and the resolution you bring to it. We hope that you will find the buildings, the books, the classes, the instructors, and your fellow students all essential ingredients of the education you pursue here.

As the very first students to be enrolled here, no one asks that you be grateful for what this community has done. We ask rather that you utilize the opportunities here afforded you so that you can serve your fellow man by enriching yourself in mind and body and spirit.

Tacoma Community College is a means and not the fulfillment of our labors or our dreams. Our dreams are with you. You are the hope of the world if the beginnings shaped in these early collegiate surroundings continue to grow throughout all your days. **You** are Tacoma Community College.

ANGELO GIAUDRONE
Superintendent

From the President . . .

I welcome you to Tacoma Community College. Once this college was a remote idea. Many helped to shape the image. It grew from an idea to words to blueprints to construction to courses of study to faculty — to this day when you as students are giving it life. Always in the years leading to this moment there was something missing — young people with questions: "How do I register?" "Can I take Psychology?" "What's photosynthesis?" "Who wrote Gulliver's Travels?" "How do you find the square root of 339?" The questions are endless because you are curious.

Whatever happens, be curious. Search. Reach. Question. Exchange ideas with the faculty. Get an answer from an experiment, from a book, over a cup of coffee. Get some more questions, too! Seek!

For these reasons we are all here on this piece of ground, on this becoming campus so that you can become.

Let's become together — you and I and the faculty and our classes and our activities by living fully.

This is my dream and it is yours to fulfill.

THORNTON M. 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 designed 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 have provided the initial construction funds for the college. Eleven 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 the first half of 1966.

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.

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
Tacoma, Washington

(An admissions and application number will be assigned to each student in the order the college receives application forms and records fee.)

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 responsibility for having the form completed by a licensed physician and returned to the college prior to registration for classes.

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 1 of the "Application for Admission to Washington Higher Institutions" with the required \$5.00 records fee to:

**Admissions and Records Office
Tacoma Community College
Tacoma, Washington**

(An admissions and application number will be assigned to each student in the order the college receives application forms and records fee.)

Any special student after successfully completing 15 or more credit hours at Tacoma Community College may petition for change in status to that of Regular Student. It will be necessary to complete all the steps under Procedure 1.

REGISTRATION PROCEDURES

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

Registration appointments are mailed to all new 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 forms. 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 instructions for Registration changes.

REGISTRATION CHANGES

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 Schedule Request form available at the registration office.

The use of the Change of Schedule 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 70.00

Part-Time, per quarter hour 4.67

Quarterly Tuition for Non-Resident Students:

Full-Time 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 securing a statement from his instructor which describes the work necessary to remove the incomplete grade and the time during which the work must be done. This statement should be signed by the student and the instructor and submitted to the Dean of Instruction.

WITHDRAWAL FROM COLLEGE

Any regular student who finds it necessary to withdraw from 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 the course.

UNSATISFACTORY PROGRESS REPORTS

Any 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 Dean of Students. 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 or his parent or guardian.

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 signed by the Registrar and has the college seal placed over this 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.

PHYSICAL EDUCATION REQUIREMENTS

Each student must enroll in, and satisfactorily complete, a physical education activity course each quarter for three quarters. Transfer students should consult the D.E. requirements of the institution to which they wish to transfer. Many schools including Washington State University and Central Washington State College require two years of physical education.

Physical education credits do not count toward the graduation requirement of 90 credits for the associate degree.

- (a) Unless otherwise exempted, all freshmen must enroll in one physical education activity each quarter for the first three quarters in residence.
- (b) Any student for whom limited physical activity is recommended by his physician or who has a marked physical handicap should consult with the college nurse for exemption or assignment to special courses with modified activity.
- (c) Students enrolled in physical education courses are required:
 - to furnish suitable clothing for the activity
 - to pay any special fees, e.g., bowling fees, and
 - to furnish all, or some, of the equipment in certain courses.
- (d) Exemptions:
 - Medical (must be approved by college nurse).
 - Students who are twenty-five years old or older.
 - Students enrolling as special students.
 - Students who have had one year or more of military service on active duty (Evidence must be submitted to the Dean of Students.)

REFUNDS

Before the first day of class in any quarter, approved changes in registration which result in a reduction in the student's credit load 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 classes — 80%

Through 4th week of classes — 50%

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

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.)

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 Dean of Students.

Note: Among the initial contributors to student financial aid are:

Tacoma Chapter of the Society of Real Estate Appraisers

Tacoma Chapter, American Business Women's Association

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.

THE LIBRARY

The library is temporarily located in four combined classrooms on the campus. Hours for the library are from 8 a.m. to 10 p.m. from Monday through Friday. Two professional librarians and several library assistants are on hand to assist the student.

PROGRAM PLANNING

Each student will be assigned a faculty advisor for assistance in program planning. Individual programs designed for transfer to a four-year institution and/or the associate degree shall be planned with, and approved by, a faculty advisor.

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., and approved correspondence instruction.

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.

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.

A full-time student will carry an academic load of 12 to 15 credits exclusive of physical education. Under normal circumstances, 15 credits per quarter will permit a student to graduate with an associate degree after six quarters of study.

UNITED STATES AIR FORCE RESERVE OFFICER TRAINING CORPS

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 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 UAF when they receive their baccalaureate degree.

(Refer to listings under Aerospace Studies for first and second year R.O.T.C. 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. As a new institution, Tacoma Community College needs the involvement of each student in developing student government, student publications, and sponsored activities which will assist each entering class. The office of the Dean of Students is anxious to assist individuals and groups in promoting the welfare of the students and the college.

COUNSELING AND ADVISING

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

Professional counselors are available to offer help with individual problems.

HEALTH SERVICES

Professional assistance will be made available through the office of the college nurse.

FOOD SERVICES

The college snack bar will be open for the convenience of the students during most of the school day.

TRANSPORTATION

During the academic year public transportation will be available to the college campus. Adequate parking facilities are available on campus for private automobiles.

COLLEGE BOOKSTORE

The college bookstore will stock the supplies, materials, and textbooks required.

ASSOCIATE DEGREE

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

The associate degree may be earned by students in both the transfer and the general studies programs. 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 in the general studies program.

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.

A transfer student who has not selected a major is advised to follow a parallel course of general studies, preferably patterned on lower division requirements at the senior institutions.

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 shall 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 his advisor in order to register for more than 16 hours per quarter.

THE GENERAL STUDIES PROGRAM

The general studies program is designed for the student who contemplates terminating his formal program after two years at Tacoma Community College. To graduate the student will need 90 credits exclusive of physical education but including at least 9 credits in composition. (See requirements for associate degree, page 16) Students pursuing the general studies program will also take the following:

- A. General Studies 90 A, B and C. Each course carries 5 credits. G.S. 90 is a three quarter sequence in science and mathematics. Lectures and laboratories. Total 15 credits.
- B. General Studies 91 A, B and C. Each course carries 5 credits. G.S. 91 is an interdisciplinary study in the fields of the social sciences. An analysis in depth of major problems will be made. Three lectures per week and two sections per week. Total 15 credits.
- C. General Studies 92 A, B and C. Each course carries 5 credits. G.S. 92 covers the general area of the humanities — literature, art, music. The course meets the college requirements of 9 credits of composition. Three lectures per week. Two sections per week. Total 15 credits.

The balance of the program — 45 credits — is to be made up of electives taken from the general catalog listing of courses or from an approved program taken at Tacoma Vocational-Technical Institute. In each case the student must secure the approval of his academic advisor.

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 faculty 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 BUSINESS ADMINISTRATION

ACCOUNTING

- 210 **Fundamentals of Accounting: (3)**
An introduction to the basic principles, theories, and procedures, including reporting of business transactions; development and interpretation of accounting reports.
Prerequisite: Sophomore standing and satisfactory mathematics proficiency.
- 220 **Fundamentals of Accounting: (3)**
Continuation of 210. Elements of manufacturing, partnership, and corporation accounting.
Prerequisite: Accounting 210.
- 230 **Basic Accounting Analysis: (3)**
Factors of accounting involved in decision making — financial interpretation and cost analysis.
Prerequisite: Accounting 220.

BUSINESS

- 101 **Business: An Introductory Analysis: (5)**
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)**
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.
Prerequisite: English 102.
- 202 **Business Agreements: (3)**
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)**
Structure of news and feature stories. Not open to freshmen. Reasonable proficiency in the use of the typewriter required.
- 201 **Communications Today: (2)**
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)**
An examination of the ideas and the men who shaped the American 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.
- 251 **Broadcast Performance: (3)**
An examination of the problems of performance, including the techniques of demonstration and interviewing.
Prerequisite: Communications 250.
- 260 **Radio and Television Production: (3)**
A general view of performance, including timing, microphone setups, lighting, sound effects, music.
Prerequisite: Communications 250.
- 270 **Elements of Radio and Television Writing: (3)**
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

101, 102, 103 **Composition:** (3, 3, 3)

Required of all students except those assigned to English 101A, 102A, and 103A.

Application of the basic rules of composition through exercises in expository, descriptive, narrative, 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.

101A, 102A, 103A **Composition:** (3, 3, 3)

The same as English 101, 102, and 103 except that the class includes two laboratory periods per week.

SPEECH

100 **Basic Speech Improvement:** (5)

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)

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)

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)

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)

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

235 **Parliamentary Procedure:** (3)

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)

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

Note: No credit is given for French 101 until French 102 is completed.

Prerequisite: French 101 for 102; 102 for 103.

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

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)

Individualized programs. Admission by permission of the instructor.

GERMAN

101-102, 103 **Elementary German**: (5, 5, 5)

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

Note: No credit is given for German 101 until German 101 is completed.

Prerequisite: German 101 for 102; 102 for 103.

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

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)

Individual programs. Admission by permission of the instructor.

SPANISH

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 is used for practice.

Note: No credit is given for Spanish 101 until Spanish 102 is completed.

Prerequisite: Spanish 101 for 102; 102 for 103.

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

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)

Individualized programs. Admission by permission of the instructor.



DIVISION OF HUMANITIES

ART

- 100 **Introduction to Art:** (5)
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)
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)
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)
Lectures on design fundamentals, illustrated with slides and paintings, pottery, textiles, etc. Reading and reference work.
- 256, 257 **Painting:** (3, 3)
Oil painting: still life and landscape.
Prerequisites: Art 107, 110, 129 for 256.
- 258 **Water Color:** (3)
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)
Continuation of Art 258.
Prerequisite: Art 258.

DRAMA

- 101, 102, 103 **Introduction to the Theater:** (2, 2, 2)
Designed to acquaint the student with the nature of theater art — its elements and its present state. Emphasis is on the modern American theater.
Prerequisite: Drama 101 for 102; 102 for 103.
- 151, 152, 253 **Acting:** (3, 3, 3)
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.
Prerequisite: Drama 151 for 152; 152 for 253.

ENGLISH (LITERATURE)

- 257 **Introduction to Poetry: (5)**
A study of poetry based on readings primarily from British and American sources.
- 258 **Introduction to Fiction: (5)**
A study of fiction based on readings of short stories and novels.
- 259 **Introduction to Modern Drama: (5)**
A study of modern drama based on reading of twentieth-century plays.
- 264 **English Literature: From Beowulf through Shakespeare: (5)**
A survey of English literature from the beginnings to 1600 with emphasis on major figures and types, includes *Beowulf*, Chaucer, Spenser, and Shakespeare.
- 265 **English Literature: From Donne through Blake: (5)**
A survey of English literature from John Donne through William Blake, with emphasis on Milton, Pope, Swift, Fielding, and Johnson.
- 266 **English Literature: From Wordsworth through Hardy: (5)**
A survey of English literature from William Wordsworth through Thomas Hardy with emphasis on the Romantics and Victorians.
- 267 **American Literature: From the Beginnings to 1860: (5)**
A survey of American literature from the beginning through the Civil War with emphasis on Edwards, Franklin, Cooper, Hawthorne, Thoreau, Emerson, and Melville.
- 268 **American Literature: From 1860 to 1920: (5)**
A survey of American literature from the Civil War to the close of World War I with emphasis on Whitman, James, Howells, Adams, Twain, Norris, and Dreiser.
- 269 **Contemporary American Literature: (5)**
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: 6 credits)**
Preparation and performance of selected choral works.
Open to all students without audition.
Three hours weekly and public performance.
- 101, 102, 103 **First Year Theory: (2, 2, 2)**
Required of all music majors. A study of basic musical concepts and terminology through a program of listening, analysis, and practice.
Prerequisites: There are no prerequisites for Music 101. It is recommended for elementary education majors. Music 101 or permission of the instructor for Music 102. Music 102 or permission of the instructor for Music 103.
Note: To be taken concurrently with Music 114, 115, 116.
- 107 **Introduction to Music: (3)**
For the general student. A non-technical basis for enjoyable listening to music. Illustrated lectures with supplementary readings designed to foster understanding of common musical forms, idioms, and styles.
- 114, 115, 116 **Sight-Singing: (1, 1, 1)**
To be taken concurrently with Music 101, 102, 103.
Prerequisite: Permission of the instructor.

- 117 **Symphonic Music: Pre-Classical and Classical Periods: (2)**
Recommended for music majors.
Prerequisite: Permission of the instructor.
- 118 **Symphonic Music: Romantic Period: (2)**
Recommended for music majors.
Prerequisite: Permission of the instructor.
- 119 **Symphonic Music: Contemporary Period: (2)**
Recommended for music majors.
Prerequisite: Permission of the instructor.
- 140 **Concert Band: (1) (maximum: 6 credits)**
Rehearsal and performance with concert band.
Two 1½ hour periods per week.
Prerequisite: Permission of the instructor.
- 150 **Private Vocal or Instrumental Instruction: (3) (maximum: 12 credits)**
Open to full-time students only. Private instruction.
Consult Music Department for information on special fees and approved teachers.
Prerequisite: Permission following audition.
- 160 **Symphony Orchestra: (1) (maximum: 6 credits)**
Rehearsal and performance with symphony orchestra.
Two 1½ hour periods per week.
Prerequisite: Permission of the instructor.
- 170 **Ensembles: (1) (maximum: 6 credits)**
Rehearsal and performance in vocal or instrumental ensembles. Arrangements to be made by the Music Department.
- 201, 202, 203 **Second-Year Theory: (3, 3, 3)**
Required of all music majors.
Practical and analytic harmony.
Prerequisites: Music 103 and 116 or permission for 201.
Music 201 and 207 or permission for 202.
Music 202 and 208 or permission for 203.
Note: To be taken concurrently with Music 207, 208, 209.
- 207, 208, 209 **Music After 1750: (2, 2, 2)**
To be taken concurrently with Music 201, 202, 203.
Prerequisites: Music 103 and 116.

PHILOSOPHY

- 100 **Introduction to Philosophy: (5)**
Readings and discussions from the writings of the great philosophers concerning the nature of reality, the meaning of existence, and the concept of good.
- 120 **Introduction to Logic: (5)**
Deductive and inductive logic; conditions of clear statement and valid reasoning; propositions, contradiction, definition, inference; types of argument, detection and avoidance of fallacies; probability and the methods by which theories and laws are established.
- 215 **Introduction to Ethics: (5)**
Systematic study of the meanings of key concepts such as "goodness," "rightness," "evil," "duty," and "happiness." Emphasis on Plato, Hume, Kant, Bentham, and Mill.
- 267 **Problems in the Philosophy of Religion: (5)**
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)**
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)**
First course in engineering drawing. Acquaints the student with the use of instruments, scales, lettering and line work.
- 102 **Engineering Graphics: (2)**
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.
- 103 **Applied Descriptive Geometry: (3)**
Use of graphics in the solution of problems in different fields of engineering. Includes point, line, plane problems, intersections and developments and vectors in three dimensions.
Prerequisite: General Engineering 102.
- 111 **Engineering Problems: (3)**
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)**
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)**
The same as Mathematics 114.
Prerequisites: Mathematics 124 and 125, which may be taken concurrently.

MATHEMATICS

- 101 **Intermediate Algebra: (5)**
Fundamental algebraic operations and concepts. Similar to the third term of high school algebra.
Note: Not open to students who have taken one and one-half years of algebra in high school.
Prerequisite: One years of high school algebra.
- 104 **Plane Trigonometry: (3)**
Trigonometric functions, identities, equations, inverse functions, graphs, logarithms, and solution of triangles.
Note: Not open to students who have taken trigonometry in high school.
Prerequisites: One and one-half years of high school algebra or Math 101, and one year of high school plane geometry.
- 105 **College Algebra: (5)**
Real and complex number systems; sets and equations and matrices; inequalities; functions and relations; algebraic, exponential, and logarithmic functions.
Prerequisites: One and one-half years of high school algebra or Mathematics 101.
- 114 **Elementary Computer Programming: (2)**
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)**
Plane analytic geometry, limits, the derivation, differentiation. The differential and elementary applications of differential calculus. Introduction to integration.
Prerequisites: Mathematics 105.
- 125 **Analytic Geometry and Calculus: (5)**
Solid analytic geometry. Definite and indefinite integral and integration. The differentiation of transcendental function and parametric equations.
Prerequisite: Mathematics 124.

MATHEMATICS

- 126 **Analytic Geometry and Calculus: (5)**
Methods of integration, multiple integral, partial differentiation, improper integrals, indeterminate forms, vector algebra.
Prerequisite: Mathematics 125.
- 224 **Intermediate Analysis: (3)**
Infinite series, complex functions, elementary differential equations.
Prerequisite: Mathematics 126.
- 238 **Elements of Differential Equations: (3)**
Elementary methods of solution, linear differential equations of second and higher order.
Prerequisite: Mathematics 224.
- 240 **Introduction to Statistics: (3)**
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 MILITARY SCIENCE

AEROSPACE STUDIES

101, 102, 103 Defense of the United States: (1, 1, 1)
(Freshmen)

An introductory course exploring the causes of present world conflict as they affect the security of the United States. This course includes analysis of democracy and communism, the U. S. power position in world affairs, the armed forces as an instrument of national policy, missions and functions of the Air Force, and the student's relation to U. S. world commitments.

111, 112, 113 Leadership Laboratory: (1, 1, 1)

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 leadership laboratory are accepted as substitutes for physical education activity credits.

122, 123 Elective Course: (No additional credit)

The student will select one regular 3 quarter hour course in either the second or third quarter which will be designated as his Aerospace Studies Elective Course. The course must be from the field of Mathematics; Physical, Natural, or Social Science; Foreign Language; or the Humanities.

200 Level courses (sophomore) will be offered in Academic Year 1966-67.



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.

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

120-129 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

PHYSICAL EDUCATION

140-149 Team Sports: (1 credit each)

- 141w Field Hockey
- 142m Basketball
- 142w Basketball
- 143m 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 fees will be charged)
- 155 Intermediate Golf (Green fees will be charged)

180-189 Varsity Sports: (1 credit each)

Note: Until facilities are available there will be no varsity sports.

- 180m Varsity Football
- 181m Varsity Basketball
- 182m Varsity Baseball
- 183m Varsity Track
- 184m Varsity Wrestling
- 185 Varsity Golf (Coeducational)
- 186m Varsity Tennis
- 186w Varsity Tennis
- 187m Varsity Skiing
- 187w Varsity Skiing
- 188m Varsity Swimming
- 188w Varsity Swimming

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)**
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: (2)**
Coeducational program. Investigation of contemporary health problems and the scientific concepts and knowledges essential to the comprehension and solution of these problems within society.
- 292 **First Aid and Safety: (3)**
Coeducational program. The student may meet requirements for both Standard and Advanced American Red Cross First Aid Certification. Includes safety education in schools.



DIVISION OF SCIENCE

BIOLOGY

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.

Three lectures, two 2-hour laboratories per week.

Prerequisite: Biology 101 for 102.

201 **General Microbiology:** (5)

The classification, physiology, and techniques for cultivation of microorganisms, especially bacteriology.

Three lectures, two 2-hour laboratories per week.

BOTANY

111 **Elementary Botany:** (5)

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)

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)

The study of atoms, molecules, and chemical reactions. A survey of fundamental chemical principles for non-science 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 **General Chemistry:** (5)

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.)

CHEMISTRY

- 102 **General and Organic Chemistry: (5)**
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)**
For science, engineering and other majors requiring more than one year of chemistry. Structure of matter, atomic theory, quantitative relationships, and reactions. Three lectures and two 2-hour laboratory periods per week.
Prerequisites: High school Chemistry or Chemistry 100, Math 101, or one year of Algebra.
- 150 **General Chemistry: (5)**
Stoichiometry, aqueous solutions, kinetics, acid and base equilibria, electrochemistry, oxidation and reduction.
Three lectures and two 2-hour laboratory periods per week.
Prerequisite: Chemistry 140.
- 160 **General Chemistry: Qualitative Analysis: (5)**
Periodic system, phase equilibria, metals and non metals, metallurgy and nuclea reactions. Semi-micro qualitative analysis for common cations and anions — separation and identifications.
Prerequisite: Chemistry 150.
- 221 **Quantitative Analysis: (5)**
Valumetric and gravimetric analysis. Three lectures and two 2-hour laboratory periods per week.
Prerequisite: Chemistry 160.
- 231 **Organic Chemistry: (5)**
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)**
Continuation of Chemistry 231.
Prerequisite: Chemistry 231.

FORESTRY

- 101 **Introduction to Forestry: (1)**
Basic concepts of forestry, including subject matter common to the three areas, viz. management, engineering, and products.
- 102 **Development of Forestry: (1)**
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)**
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)**
Identification, classification, and distribution of trees of North America.
Prerequisite: Botany III.

GEOLOGY

- 101 **Physical Geology: (5)**
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)**
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)**
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.
- 220 **Mineralogy: (5)**
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)**
Study of igneous and metamorphic rocks.
Prerequisite: Geology 205 and 220.

PHYSICS

- 101 **General Physics: (5)**
Not open to engineering majors (See Physics 121, 122, 123.) Modern physics applied to the field of mechanics. Three lectures and two 2-hour laboratory periods per week.
Prerequisite: High school algebra and Mathematics 101 (may be taken concurrently) or its equivalent.
- 102 **General Physics: (5)**
Modern physics applied to the fields of electricity and magnetism. Three lectures and two 2-hour laboratory periods per week.
Prerequisite: Physics 101.
- 103 **General Physics: (5)**
Modern physics applied to the fields of sound, heat, and light. Three lectures and two 2-hour laboratory periods per week.
Prerequisite: Physics 102.
- 121 **Engineering Physics: (5)**
Classical and modern physics applied to the field of mechanics. Designed for engineering, mathematics, and physical science majors. Emphasis is on theory and problem solving. Calculus is used in problem solving. Three lectures and two 2-hour laboratory periods each week.
Prerequisites: High school physics, Mathematics 105 or concurrent enrollment.

PHYSICS

122 **Engineering Physics: (5)**

Continuation of Physics 121 with emphasis on electricity and magnetism. Three lectures and two 2-hour laboratory periods per week.

Prerequisite: Physics 121.

123 **Engineering Physics: (5)**

Continuation of Physics 122 with emphasis on sound, heat and light. Three lectures and two 2-hour laboratory periods each week.

Prerequisite: Physics 122.

ZOOLOGY

111, 112 **General Zoology: (5, 5)**

A general course in zoology starting with the protozoa 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)**

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: Zoology 207 for 208.



DIVISION OF SOCIAL SCIENCE

ANTHROPOLOGY

- 100 **Introduction to the Study of Man: (5)**
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)**
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)**
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)**
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)**
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)**
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)**
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 Education: (3)**
An introduction to education as a profession with emphasis on the nature and scope of American education.

FAR EAST

- 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. The influence of Russia and other Western powers in the Far East will be examined.

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 extractive, manufacturnig, 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)**
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)**
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; the conflict of economic and political ideologies.
- 241 **American History to 1865: (5)**
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)**
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: (5)**
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)**
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.
Prerequisite: Sophomore standing.
- 202 **American Government and Politics: (5)**
Popular government in the United States; the theory and practice of national institutions.
Prerequisite: Sophomore standing.
Note: Either 201 or 202 is normally a prerequisite for all upper-division courses.
- 203 **International Relations: (5)**
An analysis of the world community and its politics and government.
Prerequisite: Sophomore standing.

PSYCHOLOGY

- 100 **General Psychology: (5)**
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.
- 201 **Psychology of Adjustment: (5)**
Facts and principles essential in making adjustments to internal needs and external environment; processes and mechanisms of adjustment, development and integration of personality; techniques of mental hygiene.
Prerequisite: Psychology 100.

SOCIOLOGY

- 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 into social groups; influence of institutional patterns of culture on human interaction.
- 240 **Group Behavior: (5)**
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)**
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

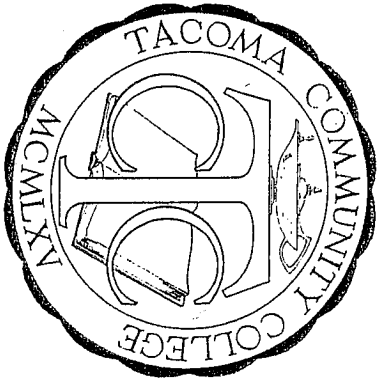
The following list of faculty members represents appointments as of May 15, 1965.
An addendum will reflect subsequent appointments.

- SONJA ANDERSEN Secretary to the President
- DORIS BENNETT (MRS.) English
University of Nebraska, B.A.; University of Wyoming, University of Washington, M.A.; University of Washington
- RUSSELL E. CLARK Science
Central Washington State College, Western Washington State College, B.A.; University of Washington, Stanford University, Reed College, Oregon State University, M.S.
- ROBERT DEZELL Music
Washington State University, University of Washington, B.A.; Washington State University, M.A.; Washington State University
- RICHARD C. FALK Dean of Students
University of Puget Sound, B.A.; B. Ed.; M. Ed.
- 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.
- THORNTON M. FORD President
Western Washington State College, B.A.; M. Ed; University of Washington, Washington State University, Ed. D.
- SHELDON GILMAN Social 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. Ed.
- JACK HYDE Geology
Everett Junior College, University of Washington, B.S.; M.S.; San Francisco State College
- MONTY B. JONES English
Western Washington State College, B.A.; M. Ed.; University of California, University of Oregon, San Francisco State College
- ROBERT LATHROP 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.

- 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 PERKINS Science
University of Washington, University of Puget Sound, B.S.; M.F.; Uni-
versity of Wyoming
- 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 Humanities
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 Science
Eastern Washington State College, B.A.; M.A.; Washington State Uni-
versity, M.S.
- MORRIS SUMMERS Drama, Speech
University of Washington, University of Puget Sound, B.F.A.; Columbia
University, University of Southern California, M.A.
- JOHN N. TERRY 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.
- DAVID S. TRIER Forestry
Central State Teachers College, University of Wisconsin, B.S.; Pacific
Lutheran University, Oregon State University, M.S.
- MARGIT A. von BREDOW Foreign Language
University of Wisconsin, B.S.; University of Colorado
- MARY ANNE WEST (MRS.) English
Whitman College, Washington State University, B.A.; M.A.
- 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.

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