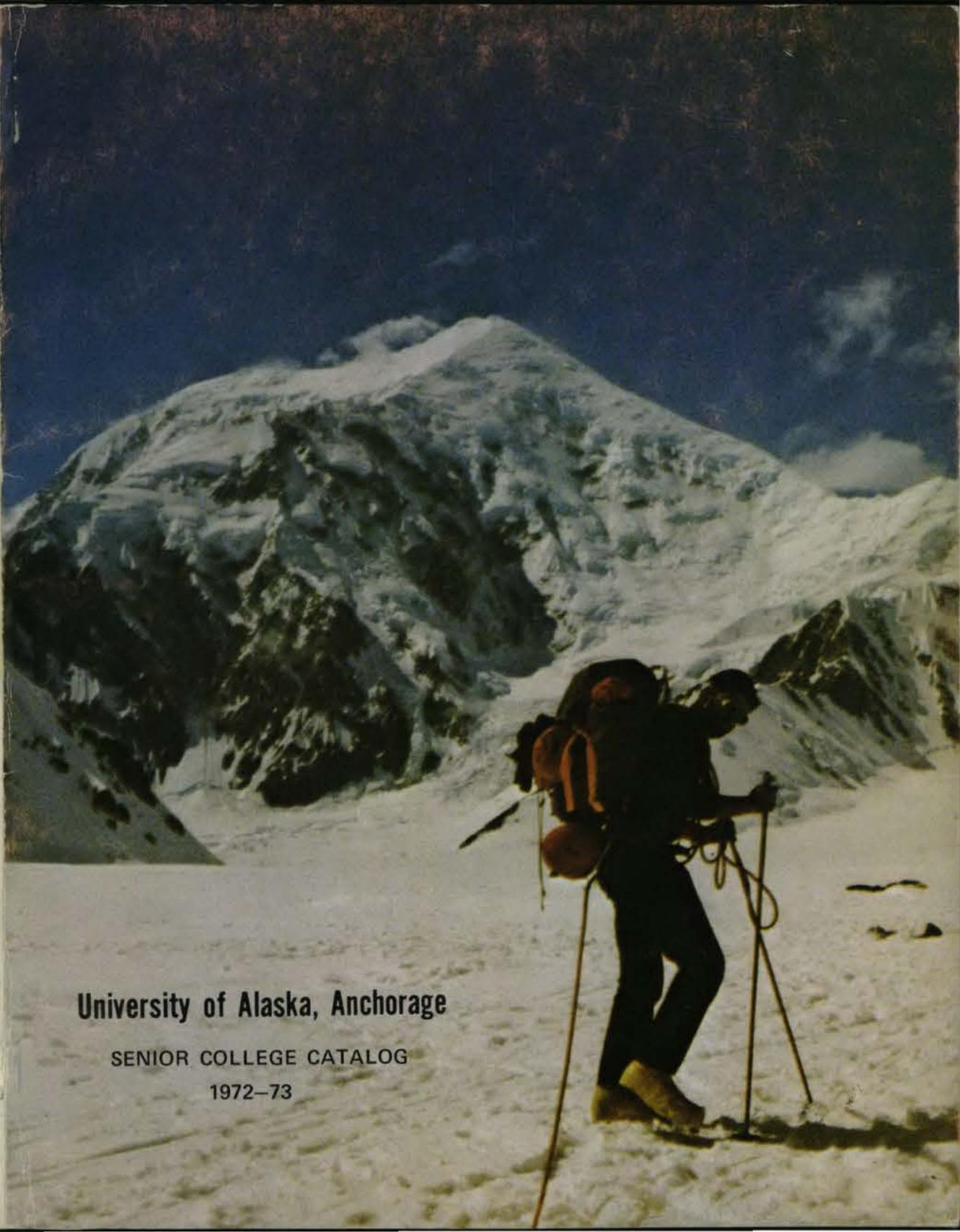


ANCHORAGE SENIOR COLLEGE CATALOG

1972-73



University of Alaska, Anchorage

SENIOR COLLEGE CATALOG

1972-73

*Great things are done when men and mountains meet;
This is not done by jostling in the street.*

— WILLIAM BLAKE

Cover photo by Richard E. Witte at the 7,500 foot level of Mt. McKinley on the Southeast fork of the Kahiltna Glacier toward Mt. Foraker.

UNIVERSITY OF ALASKA, ANCHORAGE
SENIOR COLLEGE
CATALOG
1972-73

The University of Alaska, Anchorage is composed of the Anchorage Community College and the Anchorage Senior College. However, it is a single unit of the University of Alaska state system of higher education. Under the direction of the Board of Regents, the University of Alaska serves the people of America's largest state through seven community colleges and three university campuses. A bulletin describing the organization of the university and outlining the offerings of each unit is available without charge from the Registrar of the Southcentral Region, University of Alaska, Anchorage, 2651 Providence Ave., Anchorage 99504. Catalogs for the Anchorage Community College may also be obtained from this office. Catalogs for other units in the system may be obtained from the registrar of each unit.

1972 - 73 TRIMESTER CALENDAR

Fall Term (1972)

Registration	September 13-14
9:00 a.m. - 9:00 p.m.	
Instruction Begins	Monday, September 18
Late Registration Fees Begin	Monday, September 18
Thanksgiving Vacation	November 23-25
Last Day of Classes	Friday, December 22

Spring Term (1973)

Registration	January 22-23
9:00 a.m. - 9:00 p.m.	
Instruction Begins	Monday, January 29
Late Registration Fees Begin	Monday, January 29
Easter Vacation	April 20-21
Last Day of Classes	Friday, May 4
Commencement	May 11

Summer Term (1973)

Registration	May 23
9:00 a.m. - 9:00 p.m.	
Instruction Begins	Monday, June 4
Late Registration Fees Begin	Monday, June 4
Independence Day	Wednesday, July 4
Last Day of Classes	Friday, August 24



SOURCES OF INFORMATION

University of Alaska, Anchorage

SENIOR COLLEGE

(located in)

Regional Library and Instructional Materials Center

3211 Providence Drive

Anchorage, Alaska 99504

General Information

277-9530

Deans's Office

Faculty and Staff

Public Relations - News Service

Southcentral Regional Center

2651 Providence Avenue

Provost's Office - 279-0508

Coordinator - Academic Programs

External Affairs - Alumni Services

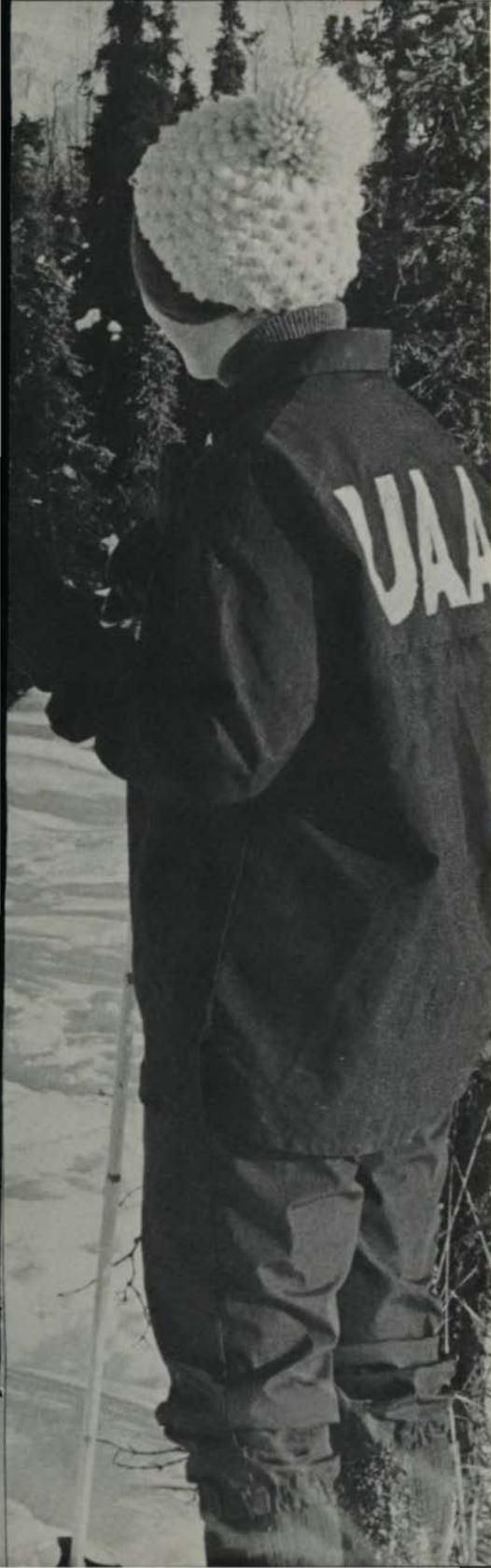
Center for Alcoholism
and Addictions Studies

Regional Library and
Instructional Materials Center

Registrar - 272-1424

Student Services - 272-1424

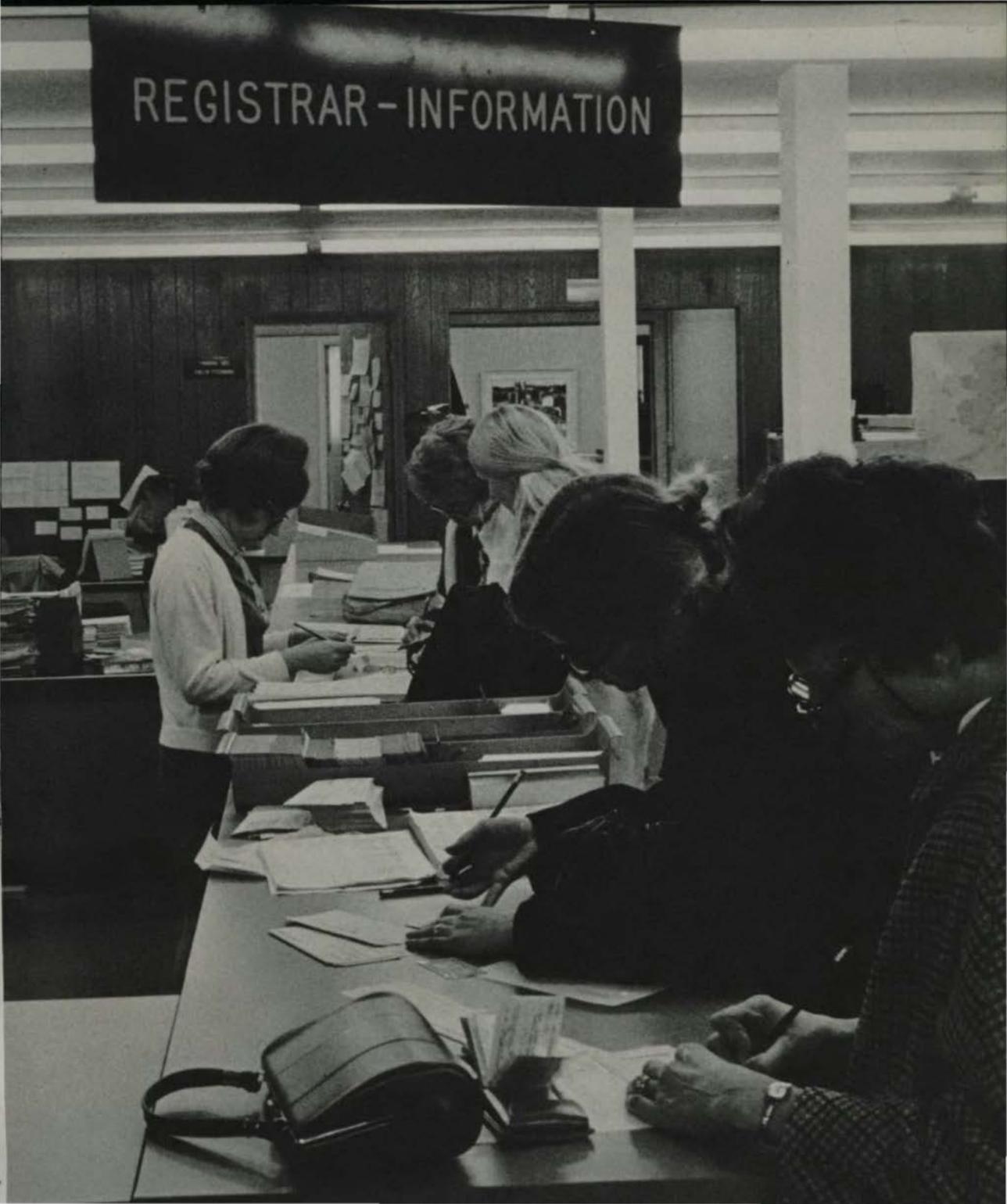
Business Office - 272-3557



CONTENTS

Calendar	3	Student Affairs	33
Sources of Information	5	Behavioral Standards	33
General Information	9	Bookstore	34
Anchorage Setting	9	Library	34
Accreditation	10	Alumni	34
Philosophy	10	Activities	34
Admissions		Military Services	35
Full-time Students	13	Consortium	37
Part-time Students	13	Academic Divisions	39
Auditors	13	Degree Programs	42
Graduate and Post Graduate Students	14	Division of Arts and Letters English	42
Fees	15	Creative Writing	42
Summary of Semester Charges	15	Division of Behavioral Sciences Psychology	42
Miscellaneous Fees	16	Counseling Psychology	43
Residency	16	Sociology	44
Refunds	17	Division of Economics, Business and Public Administration Economics	45
Financial Aids	19	History	48
Grants	19	Business Administration	48
Loan Funds	20	Public Administration	52
Degrees	21	Division of Education Education	53
Degrees Offered	21	Division of Math, Science and Engineering Engineering Management	63
General Requirements for Undergraduate degrees	21	Science Management	64
General Requirements for Graduate Study	24	Course Descriptions	65
Extended Registration for Graduate Students	25	Alphabetical Listing	66
Academic Regulations	27	Registers	95
Class Standing	27	Board of Regents	95
Grading System	28	Administrative Council	95
Change of Major	29	Citizens Advisory Committee	95
Academic Advising	29	Senior College Administration	96
Graduation	29	Academic Faculty and Professional Staff	97
Research and Public Service	31		

REGISTRAR - INFORMATION



INTRODUCTION

Anchorage Senior College provides upper division and graduate programs of the University of Alaska, Anchorage. Anchorage Community College provides the first two years of academic programs leading to baccalaureate degrees in addition to its varied associate degree programs and vocational-technical programs. For lower division courses leading to the baccalaureate degree, refer to the ACC catalog.

GENERAL INFORMATION

ANCHORAGE SETTING

The University of Alaska, Anchorage is a commuter university in Alaska's largest city. Anchorage, called "the air crossroads of the world" with over-the-pole flights between Europe and Asia, is situated on the Cook Inlet in the Southcentral area of the state.

The city itself has a population of just over 50,500, but the population of the Greater Anchorage Area is approximately 131,800. Considered the "banana belt" of Alaska, Anchorage has "moderate" winter-time temperatures with a normal range of 10 above to 10 below zero, occasionally dipping to 25 and 30 below zero. Normal summer temperatures range between 65 and 75 degrees.

Alaskans are outdoor enthusiasts and participate in both winter and summer sports; boating, camping, fishing, hunting, hiking, climbing, alpine and cross-country skiing, snowshoeing, dogsled racing and snowmobiling.

Developed as a railbelt city, Anchorage has become the goods and service center for most of Alaska. It also is a port city with year around shipping.

Anchorage is rimmed by mountains, with the Alaska Range rising on the skyline to the west and north. The majestic 20,320 foot Mt. McKinley in the Alaska Range is visible from Anchorage on a clear day. The Chugach Mountain Range rims the city to the east and south.

Anchorage is a cosmopolitan city with good restaurants, nightclubs, a museum, a little theatre group, symphony orchestra and chorus and a large contingent of artists.

The city is spread out and, at present, has no public transportation system. The university campus is approximately five miles from the downtown area, with the Community College and Senior College in separate locations within a higher education complex. Since the university is a developing institution, classes are held not only on campus, but in Anchorage area high schools and on Elmendorf Air Force Base.

HISTORY

The University, founded on the Fairbanks campus, dates from July 4, 1915, when the Hon. James Wickersham, delegate to Congress from Alaska, laid the cornerstone on land set aside by Congress on March 14 for the support of a land-grant college. The Territorial Legislature by its acts of May 3, 1917, accepted the land-grant and created a corporation, "The Alaska Agricultural College and School of Mines," defining its duties and providing for a Board of Trustees consisting of eight members.

The college opened for instruction on September 18, 1922. The college became the University of Alaska by act of the Territorial Legislature July 1, 1935; the Board of Trustees became the Board of Regents.

Due to the rapidly increasing demand for courses in Anchorage, the University of Alaska, Anchorage Senior College was established by the Board of Regents in

November, 1970 to administer upper division and graduate programs leading to baccalaureate and master degrees in the Anchorage area.

Prior to this time upper division courses were offered first by the Division of Statewide Services and administered through Anchorage Community College. In 1966 the Anchorage Regional Center was established to handle upper division and graduate programs in Anchorage and in 1968 this was expanded to the Southcentral Regional Center which administers upper division and graduate programs in the region outside of Anchorage.

The Senior College is housed in new facilities in the Regional Library and Instructional Materials Center. The college has a limited number of classrooms for the first time. Its setting is a wooded area off Providence Avenue with a view toward the majestic Chugach Mountain Range.

ACCREDITATION

The University of Alaska, Anchorage, is accredited as a part of the statewide University system.

The University is accredited as an institution of higher learning by the Northwest Association of Secondary and Higher Schools; belongs to the Association of American Colleges, the Association of State Universities and Land-Grant Colleges, and the National Commission on Accrediting; and has institutional membership in the American Council of Education, the American Association of Colleges for Teacher Education, and the Western Interstate Commission for Higher Education. The University is on the approved list of colleges and universities of the American Association of University Women.

PHILOSOPHY

The University is a community of scholars involved with truth. Each is an individual. Each brings to the University a unique contribution. All find in the University ground for searching out truth, enlarging their understanding of truth, sharing their perception of truth.

The University must have an atmosphere of freedom. For the individual to discover who he is and decide who he will become, there must be this atmosphere. Truth will flourish where there is freedom.

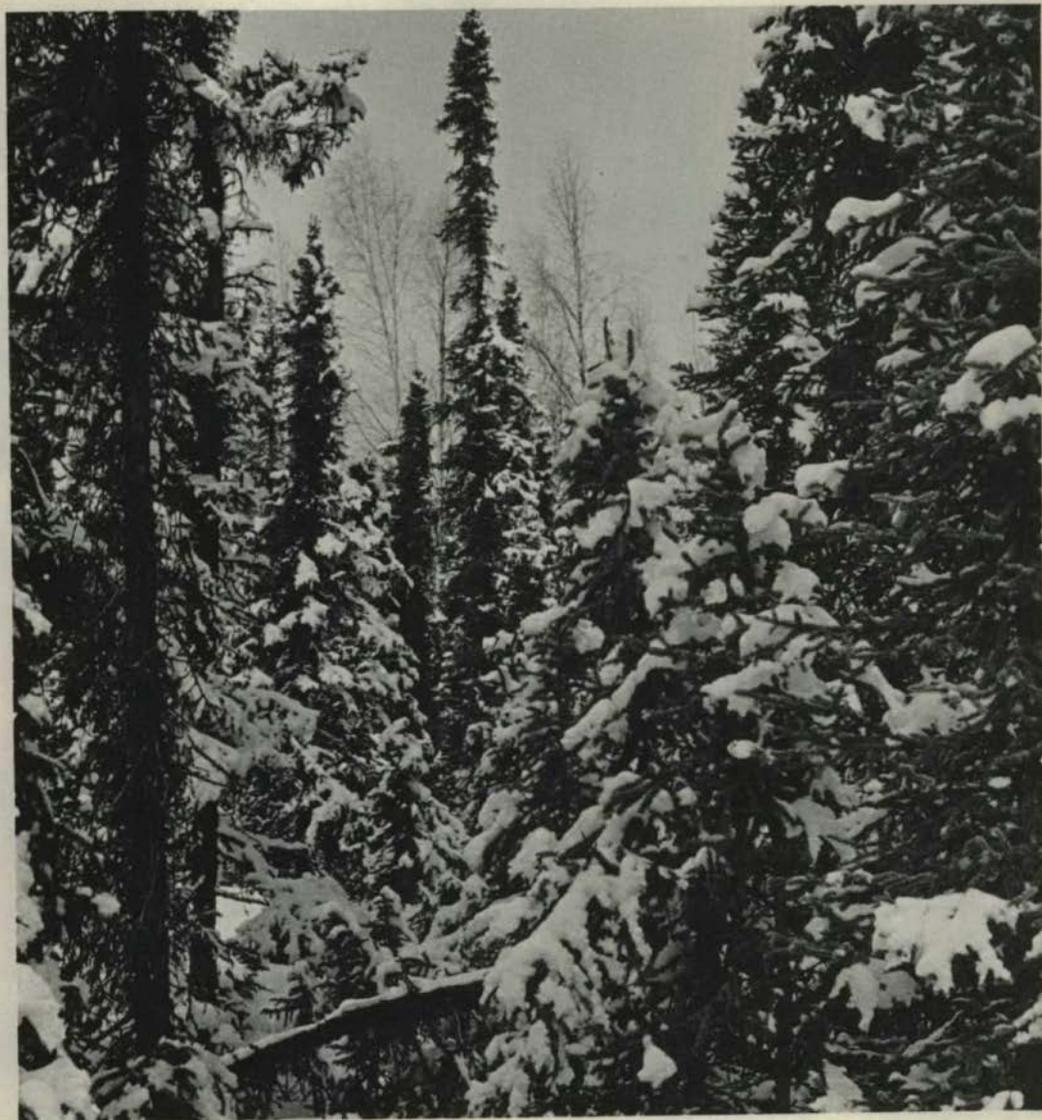
Each person is unique. The University is broad enough in its understanding to provide scope for the development of uniqueness. The talents of the individual enrich the society when encouraged to flourish.

The University is dedicated to scholarship. While scholars interact in the classroom setting and enlarge their perception of truth, the scholar is encouraged to pursue learning through research. In this way the full scholarly life finds nurture.

The life of the University enlivens the broader society. Scholars fully aware bring to the life of society leadership in culture and the development of resources, natural and human. The University may never lose sight of truth; no less may it lose sight of man, who is the searcher after truth.

The implementation of this philosophy challenges the creative abilities of faculty and students. Programs are devised and tailored to the needs of the community, thus fulfilling the University's commitment to service.

The University draws from the community persons whose experience, education and expertise uniquely equip them to enrich and enlarge the offerings available to students. Professionals in many areas constitute a rich resource for the University in the community.





ADMISSIONS

ADMISSION OF FULL TIME STUDENTS

Full time students whose objective is a Baccalaureate or Master's Degree must submit an application form for admission along with the \$10 application fee and original transcripts of any previous college work. These transcripts should be sent directly to the Southcentral Regional Registrar. A student whose entire college level work has been completed at any branch of the University of Alaska will need to request an original transcript, together with his application and evidence of payment of full time fee, to be sent directly to the Southcentral Regional Registrar from the Registrar's office at Fairbanks.

Applicants who have attended other accredited institutions are eligible for admission provided they have a 2.00 grade point average and honorable dismissal. The University will transfer credits from other accredited institutions when the grades of courses completed are "C" or above. Transfer credits are evaluated and equated by the Registrar and approved by the Division Head after a student has registered. Transfer students may be asked to provide the Admissions office with catalogs of colleges previously attended. Undergraduate students on academic dismissal or probation from other schools will be allowed to carry a maximum of 9 credit hours until earning at least a 2.00 grade average.

The University of Alaska, Anchorage will, at its discretion, determine if transfer courses are adequate to cover majors not specifically offered at the Anchorage campus.

The University of Alaska, Anchorage does not maintain student dormitories or housing of any kind. Medical and Physical examinations are not required.

ADMISSION OF PART TIME STUDENTS

Part time students with a grade point average of 2.00 are limited to enrolling for 11 credit hours or less. They are subject to the academic regulations of the University but are not considered degree candidates until regular admission requirements are met and transcripts of previous college work are filed.

AUDITORS

Auditors are students who enroll for informational instruction only. They do not receive academic credit, do not have laboratory privileges, and may not submit papers for correction and grading. They must register formally on the designated registration dates, obtain approval of class instructors, and pay the required fees.

ADMISSION OF GRADUATE STUDENTS AND POST GRADUATE STUDENTS

A student may be admitted to graduate status if he has a bachelor's degree from an accredited institution with at least a "B" average in his major and if his major is deemed suitable for continuation of studies in the field of his choice. A student wishing to enroll for graduate study obtains an application form from the office of the Director of Admissions and Registrar of the Southcentral Regional Center. The completed form, official transcripts of all previous college or university work, and letters of recommendation are to be returned to that office. Division Heads in the fields of interest will determine the adequacy of the student's preparation and whether or not division facilities are sufficient for the student's aims. When the student is accepted, an advisory committee of not fewer than three faculty members will be appointed to assist the students in planning, approving, and carrying out his program.

Students who hold a bachelor's degree but who have not defined their graduate program or declared the subject in which they wish to pursue their studies toward a higher degree may be admitted as "Post Graduates". Registering as a post graduate is satisfactory for those who hold a bachelor's degree and who have the following or similar purposes:

1. Students who plan to take "interest" courses.
2. Students completing work for a teaching certificate.
3. Students completing a second undergraduate major and/or a second bachelor's degree.
4. Students strengthening their preparation in order to be admitted to graduate study.
5. Transient students expecting to be at the University only briefly.
6. Students awaiting action on applications for graduate status.

Students must understand that any graduate courses completed prior to being admitted as an approved graduate student will not necessarily be applicable toward a specific graduate degree program.

FEES

SUMMARY OF SEMESTER CHARGES

	RESIDENT	NON-RESIDENT
Undergraduate Full-time Students		
Non-resident tuition		\$300.00
University Fee (12+ credit hours)	\$100.00	100.00
Total Undergraduate Fees	\$100.00	\$400.00
Part-time Undergraduate Students		
11 Credit Hours	\$110.00	\$360.00
10 Credit Hours	110.00	310.00
9 Credit Hours	110.00	260.00
8 Credit Hours	110.00	210.00
7 Credit Hours	110.00	160.00
Less than 7 Credit Hours - \$18.00 per credit hour		
Full-time Graduate Students		
Non-resident Tuition		\$300.00
600-700 Level Courses (12+ credit hours)	\$150.00	150.00
Total Graduate Fees	\$150.00	\$450.00
Part-time Graduate Students (600 Level Courses)		
11 Credit Hours	\$165.00	\$415.00
10 Credit Hours	165.00	365.00
9 Credit Hours	165.00	315.00
8 Credit Hours	165.00	265.00
7 Credit Hours	165.00	215.00
Less than 7 Credit hours - \$27.00 per credit hour		

NOTE: When a combination of undergraduate and 600 level courses is taken, the appropriate full or part-time graduate level University fee for the total number of hours taken or a combination of undergraduate and graduate credit hour fees, whichever is lower, will be paid. Some courses which are offered outside of the regular schedule may not be included in the consolidated fee chargeable at regular registration, due to special funding requirements necessary to offer such courses.

FEES

Admission Application Fee - A fee of \$10 shall be paid at the time an application for admission to the Senior College is submitted.

Late Registration Penalty - Students registering later than the day designated for that purpose shall pay a late registration fine of \$5 for the first day, plus \$2 for each succeeding working day allowed for late registration.

Drop/Add Fee - A penalty fee of \$1 shall be paid for each course added or dropped after the third day following the scheduled registration date. The penalty fee will not be levied when changes are necessitated by University cancellation or re-scheduling of classes.

Examination Fee - A fee of \$15 shall be charged for each examination taken for removal of an incomplete clearance of an entrance deficiency or credit by examination. For more than three credits, an additional charge of \$1 per credit hour shall be charged.

Late Placement and Guidance Test Fee - A charge of \$5 shall be made for a placement and guidance test taken at a time other than the scheduled time.

Graduate Placement Fee - If credentials are not filed before graduation, a \$10 charge is made for filing and one year of service. Thereafter, \$5 is charged for each year the file is used.

Graduate Extended Registration Fee - Graduate students extending registration from a previous semester must pay the graduate extended registration fee of \$27.00.

All fees approved by the Board of Regents, University of Alaska

The University reserves the right to change or add to its fees at any time. Tuition and fees are presently under review and may be changed prior to the fall registration period.

Other expenses at registration time will require extra funds for less predictable amounts, including personal expenses and textbooks.

RESIDENCY

Alaskan residents as well as students from Hawaii, the Yukon Territory, and the Northwest Territories are exempt from a non-resident tuition fee. Alaskan residents are defined as persons 18 years of age or older who have established residence in Alaska for at least one year prior to the date set for registration. The residence of those under 18 years of age is the residence of the parents or legal guardian as defined above.

PAYMENT OF FEES

All charges, deposits, and fees for the semester are due at the time of registration. Students should be prepared to pay the full amount of charges for the semester. Tuition and Fee charges are subject to review and audit and any corrections will be made within fifteen (15) days after the close of late registration.

Financial Obligations - The University withholds delinquent students' diplomas pending their final payment of debts owed to the University. The Registrar also withholds transcripts until debts to the University have been paid. No student owing the University money can receive honorable dismissal or register for succeeding semesters. A student's registration may be suspended for failure to meet financial obligations.

REFUNDS

Refunds of the University Fee and Tuition Fee shall be made to withdrawing students upon formal withdrawal by or for the student, according to the following schedule:

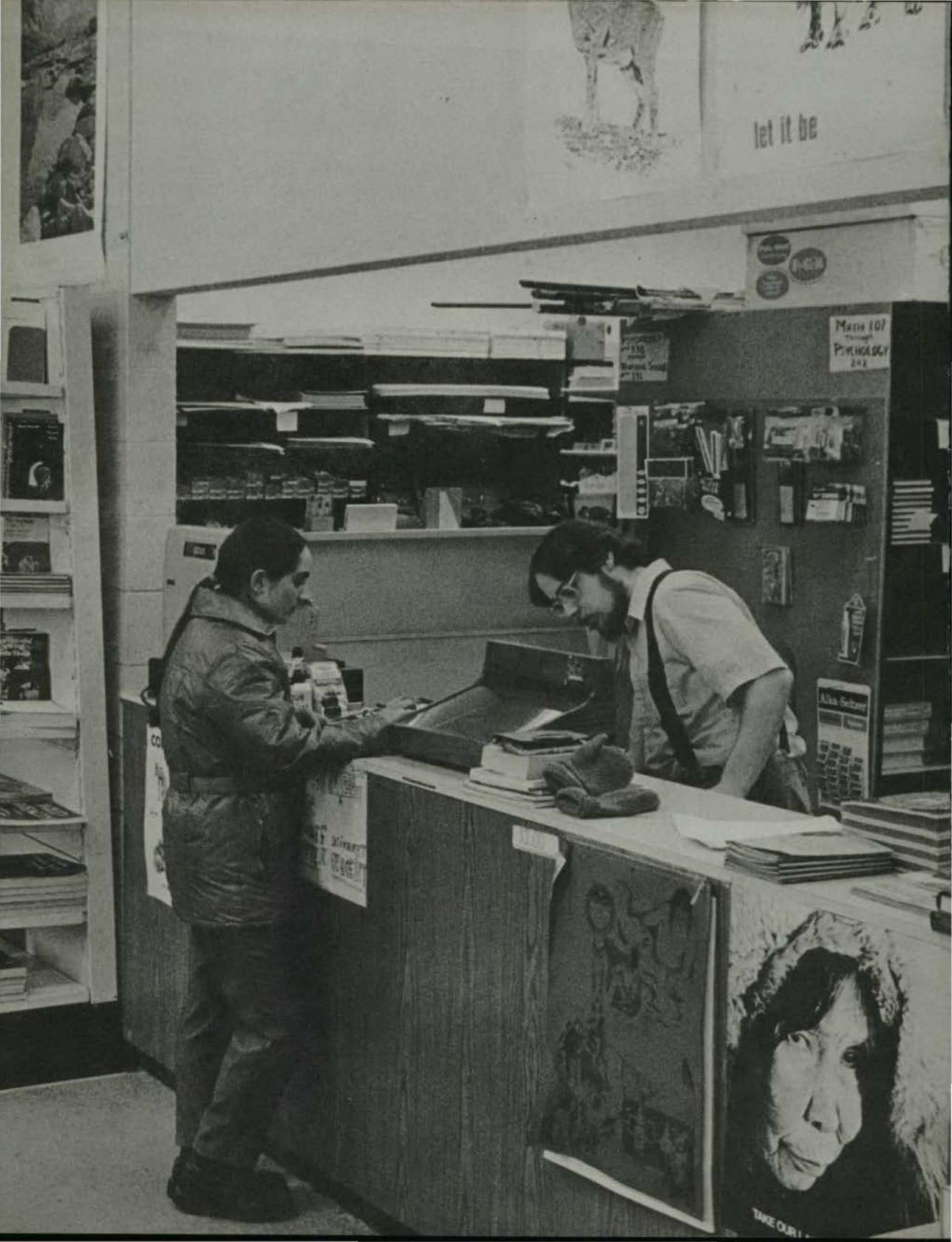
Withdrawal prior to the sixth (6) day of instruction - 90% refund.

Withdrawal on or after the sixth day of instruction, but within 30 calendar days from the beginning of instruction - 50% refund.

Withdrawal after 30 calendar days from the beginning of instruction - no refund.

Students withdrawing under discipline forfeit all right to the return of any portion of their fees.

Applications for refund may be refused unless they are made during the semester in which the fees apply.



FINANCIAL AIDS

Two types of financial aid are available at the University of Alaska, Anchorage.

**Grants (Scholarships)
Loan Funds**

GRANTS (SCHOLARSHIPS)

At the present time grants are awarded only to Alaskan high school seniors and to currently enrolled University of Alaska students. Non-residents must successfully complete at least two semesters of academic work at the University of Alaska before they become eligible to apply for scholarship assistance.

The **Education Opportunity Grants** program of the Department of Health, Education and Welfare was initiated at the University of Alaska in the fall of 1966. These grants are awarded on the basis of acute need and are renewable.

Information regarding the **Bureau of Indian Affairs Grant-in-Aid** program may be obtained from the Anchorage Area Office of the Bureau of Indian Affairs. Students should apply by April 1 to know the amount of assistance available to them prior to arriving at the University.

Application for the **Alaska State Scholarship Loan Program** may be obtained from the Scholarship Loan Program, Department of Education, Pouch F, Juneau, Alaska. The purpose of the program, initiated in 1968-69, is to assist qualified Alaskan students in securing a higher education and to assist in retaining able students in Alaska for future leadership. Funds for this program, authorized by the Alaska State Legislature, may be used for tuition and fees, books, room and board up to a maximum of \$2,500 per undergraduate recipient per year and \$5,000 per graduate student per year.

Applications from currently enrolled students are accepted twice each year, before March 1 and November 1. Applications from Alaska high school seniors are accepted once each year before March 1 and are reviewed only after the applicant's admission to the University has been approved and after his American College Test scores have been forwarded to the Office of Student Affairs. Requests coming in after this deadline will not be considered.

These awards are based primarily on need. The amount of the grant is based upon information supplied on the College Scholarship Service Parents' Confidential Statement. Entering students seeking financial assistance are required to submit a copy of the Parents' Confidential Statement (PCS) form to the College Scholarship Service, designating the University of Alaska as one of the recipients, by March 1 or November 1. The PCS form may be obtained from the University, secondary schools, or the College Scholarship Service, P.O. Box 176, Princeton, New Jersey 08540 or P.O. Box 1025, Berkeley, California 94704.

Although need is the primary basis upon which these grants are given, demonstration of academic competence, personal characteristics, and contributions to the University community are evaluated.

Recipients at the University of Alaska forfeit the entire grant which is to become effective in the forthcoming semester if they earn below 2.0 grade point average in the current semester. Grants are automatically forfeited by recipients who do not enroll during a semester in which their grant is in effect, who enroll for less than a full-time program of studies without special arrangement with the scholarship program co-ordinator, who are placed on disciplinary probation, or who are suspended from the University for disciplinary reasons.

Questions concerning application forms, specific grants, or selection procedures should be directed to the Financial Aids Office.

The National Defense Education Act Loans are always available to a limited number of qualified students. Undergraduate students may borrow up to \$1,000 a year or \$500 maximum per semester, graduate students \$1,500 per year. Total funds available to a student for his undergraduate work are limited to \$5,000. These loans are repayable nine months after a student discontinues or completes his education or finishes his military obligation, service with the Peace Corps or VISTA. For those who become teachers, one-tenth of the amount borrowed is cancelled each year for five years, representing as much as 50 per cent of the original loan. Interest rate is three per cent per annum. Loans must be paid within ten years.

LOAN FUNDS

The Mary and John Doyle Scholars' Emergency Loan Fund -- Any student at the University of Alaska, Anchorage who is taking nine credit hours or more is eligible to receive an emergency loan of up to \$50. A \$1 service charge is made on all transactions, regardless of amount or duration. All monies generated through service charges becomes part of the loan capital. The borrower is responsible for repaying the loan within a 30-day period.

Special Services Emergency Loan Fund -- Available to students who, by reason of deprived educational, cultural, or economic background, have need of special services. The amount of loans administered is left to the discretion of the special services board, within certain limitations.

Soroptimist Club of Anchorage Short Term Loan Fund - operated at the discretion of the fund manager within certain limitations.

Other aid available:

Fort Richardson Civilian Club Scholarship

Private donors who select their own students and commit their own funds.

DEGREES

The Anchorage Senior College offers the following degrees:

UNDERGRADUATE DEGREES

Bachelor of Arts, B.A.
Bachelor of Business Administration, B.B.A.
Bachelor of Education, B.Ed
Bachelor of Science, B.S.

GRADUATE DEGREES

Master of Arts, M.A.
Master of Arts in Teaching, M.A.T.
Master of Business Administration, M.B.A.
Master of Education, M.Ed.
Master of Fine Arts, M.F.A.
Master of Public Administration, M.P.A.
Master of Science, M.S.
Educational Specialist, Ed.S.

GENERAL REQUIREMENTS FOR UNDERGRADUATE DEGREES

To receive a degree from the University, a student must have earned the required number of credits as well as satisfied the special requirements of his curriculum. He must attain an average grade of 2.00 (C) in all work as well as in the major field and minor fields; transfer students must maintain a 2.00 (C) average in all work at the University of Alaska.

BACHELOR'S DEGREES

Students must earn in residence at the University of Alaska, at least 24 credits in upper division courses and at least 30 of the last 36 credits for the degree.

A maximum of 32 semester hours of work completed by correspondence may be accepted toward a baccalaureate degree.

A student enrolled in a bachelor's degree program may elect to graduate under the requirements of the general catalog in effect during the year of graduation or in effect at the time he originally enrolled in the major, providing there has not been a time lapse of more than seven years.

Since English 211 and English 213 are primarily courses in writing, and are interchangeable, either one of them will satisfy the second half of the requirement in written communication for the baccalaureate degree. A student who has taken one of these courses before declaring a major in which the other course may be

considered more appropriate, or a student who changes his major from a field in which one of these courses is considered more appropriate than the other, will not be required to take the other course.

GENERAL REQUIREMENTS FOR B.A. DEGREE

English 111 or equivalent, and English 211 or 213	6
Speech Communication	3
Major Complex at least	23
Minor Complex at least	12
Arts and Letters/History Electives including 5 or more one-semester courses totaling	at least 15
(Majors in history may not include history courses in satisfying this requirement.)	

For majors in the Division of Arts and Letters this requirement will be substituted by a requirement of a minimum of 5 one-semester courses totaling a minimum of 15 credits outside the Division of Arts and Letters. Repeatable courses may be counted only once in satisfying this requirement.

*Other Electives remainder of 130

Major Specialties available for B.A. Degree - Economics, English, History, Psychology, Sociology.

The curriculum for each student must include courses taken in at least three of the five Divisions, in a program planned by the student with an advisor.

GENERAL REQUIREMENTS FOR B.B.A. DEGREE

English Composition and Literature	6
English 111 and 211 or 213	
Fundamentals of Oral Communication: Sp.C.111	3
Behavioral Science: Psy. 101, Soc. 101	6
History	3
Political Science: P.S. 101	3
Economics: Econ. 121, 122, 221	9
Mathematics: Math. 106, 110, 200	10
Natural Science	4
Elective Credits	0-32

If general credits (i.e., credits other than business and advanced economics) exceed 78, then more than 130 total credits will be required for the degree.

GENERAL REQUIREMENTS FOR B.S. DEGREE

English 111 and English 211 or 213	6
Speech Communication	3
Mathematics 200 or 203 or Applied Stat. 301	3 or more
Chemistry, Biology, or Physics (Minimum of 6 credits each in two disciplines), including 2 credits of laboratory	16
Social Science (minimum 3 credits) and Humanities (minimum 3 credits), Exclusive of 9-credit communication requirement	15
Major Complex (see departmental curricula for specific requirements and for Minor Complex, if required)	variable
*Other Elective to bring total credits to	130
*Other general baccalaureate degree requirements as stated in the University of Alaska catalog will have to be met (i.e., 2.00 g.p.a., 24 hour upper division requirement, etc.)	
Major Specialties available for B.S. Degree - Economics, Psychology, Sociology.	

**GENERAL REQUIREMENTS FOR B.A. OR
B.S. DEGREE IN INTERDISCIPLINARY STUDIES**

The exceptional student with well defined goals which do not fit into the established baccalaureate program of the University should have an opportunity to achieve baccalaureate recognition for carrying out an approved interdisciplinary program which approximates the requirements for a baccalaureate degree in an established discipline.

All general requirements for the B.A. or B.S. degree must be met.

Upon completion of 15 credit hours, which must be within the specific region of the University of Alaska in which the student will continue his study, and at least 60 hours prior to graduation, a student may submit to the appropriate Provost, or his designated representative, an interdisciplinary curriculum leading to a B.A. or B.S. degree in Interdisciplinary Studies to be taken at a baccalaureate degree granting campus of that region.

The proposed curriculum must differ significantly from established degree programs in the University of Alaska system and will require evidence that the necessary facilities and faculty are available at that campus to ensure an approximation of a normal baccalaureate degree. The proposal may include studies elsewhere and a suggested program director and advisory committee.

The Provost will appoint a committee of at least three faculty members familiar with the suggested campus and interdisciplinary subject, to review the proposal. If the curriculum is approved by the Provost, he will, in consultation with the student, appoint an advisory committee of at least three faculty members to assist the student in planning and carrying out his program. The degree title will be chosen by the advisory committee in concert with the student and with the approval of the Provost. Changes within the approved curriculum would be made only with the approval of this advisory committee. The curriculum will not be transferable to other campuses, and it is expected that a student considering this program will thoroughly investigate the strengths and capabilities of the campus at which he plans to undertake the interdisciplinary studies.

GENERAL REQUIREMENTS FOR B.ED. DEGREE

For requirements for a B.Ed. in Elementary Education, see
Division of Education.

For requirements for a B.Ed. in Secondary Education, see
Division of Education.

FOR SPECIFIC DEGREE REQUIREMENTS SEE THE DIVISION SECTION

GENERAL REQUIREMENTS FOR GRADUATE STUDY

Graduate study seeks to prepare the student for creative work- for all work that extends the bounds of knowledge, that cherishes and transmits knowledge, and that applies knowledge for the benefit of man. It seeks to give the student deeper insights and better understandings of fundamental principles. The graduate program is shaped to the needs of the individual student and is developed in terms of his experience, academic background, and aspirations. Earning an advanced degree entails more than the satisfactory completion of specified courses; the student must show promise and performance in productive scholarship.

MASTER'S DEGREE

Programs leading to master's degrees are offered in the areas of business administration, counseling psychology, creative writing, economics, education, engineering management, English, public administration and science management. Students wishing to enroll for graduate study in any of these fields should obtain an application form from the Registrar's Office. The completed form, official transcripts of all previous college or university work and letters of recommendation should be sent to that office.

A cross-discipline master's degree is offered through cooperating departments. The Master of Arts in Teaching is offered with an emphasis in English.

In general, a student may be admitted to graduate status if he has a bachelor's degree from an accredited institution with at least a "B" average in his major and if his major is deemed suitable for continuation of studies in the field of his choice..

Division Heads in fields of interest will determine the adequacy of the student's preparation and whether or not departmental facilities are sufficient for the student's aims. Applications from students whose projected programs do not fall within a department will be reviewed by a Committee for Admissions. Committee recommendations will be transmitted to the student by the Director of Admissions.

As soon as the student is accepted, an advisory committee of not fewer than three faculty members will be set up to assist the student in planning and carrying out his program.

The requirement for a master's degree is a minimum of 30 semester credits, except for a Master of Education which requires 36 credits and a Master of Fine Arts which requires 45 credits. A maximum of 12 may be devoted to the thesis. At least nine semester credits, in addition to those earned for the thesis, must be at the graduate level. No lower division courses (100 or 200) are applicable. A maximum of nine semester credits from another institution may be transferred to the University of Alaska and applied toward a degree if approved by the student's advisory committee and by the dean of the college in which the student is enrolled.. (Departmental requirements may differ from general requirements.)

B is a minimum passing grade in courses not primarily for graduate students (300 or 400); C will be accepted in courses primarily for graduate students (600) provided a B average is obtained in graduate courses. Such standards are requisite for continuing study toward a master's degree.

A student may be admitted to candidacy for a specific master's degree after he has satisfied all the following requirements: 1) completed at least eight credits of graduate study at the University of Alaska; 2) demonstrated a reading ability of a foreign language, if required; 3) received approval of the provisional title of his thesis, if a thesis is required, and of his program of studies by the dean, if he is enrolled in a college, or by the Vice President for research and Advanced Study if he is not enrolled in a Division.

The candidate must pass a final examination, either written or oral; if a thesis is required, the examination will include a defense of the thesis. The examining committee shall consist of a candidate's advisory committee and one member of the faculty from outside the candidate's division, appointed by the Vice President for Research and Advanced Study.

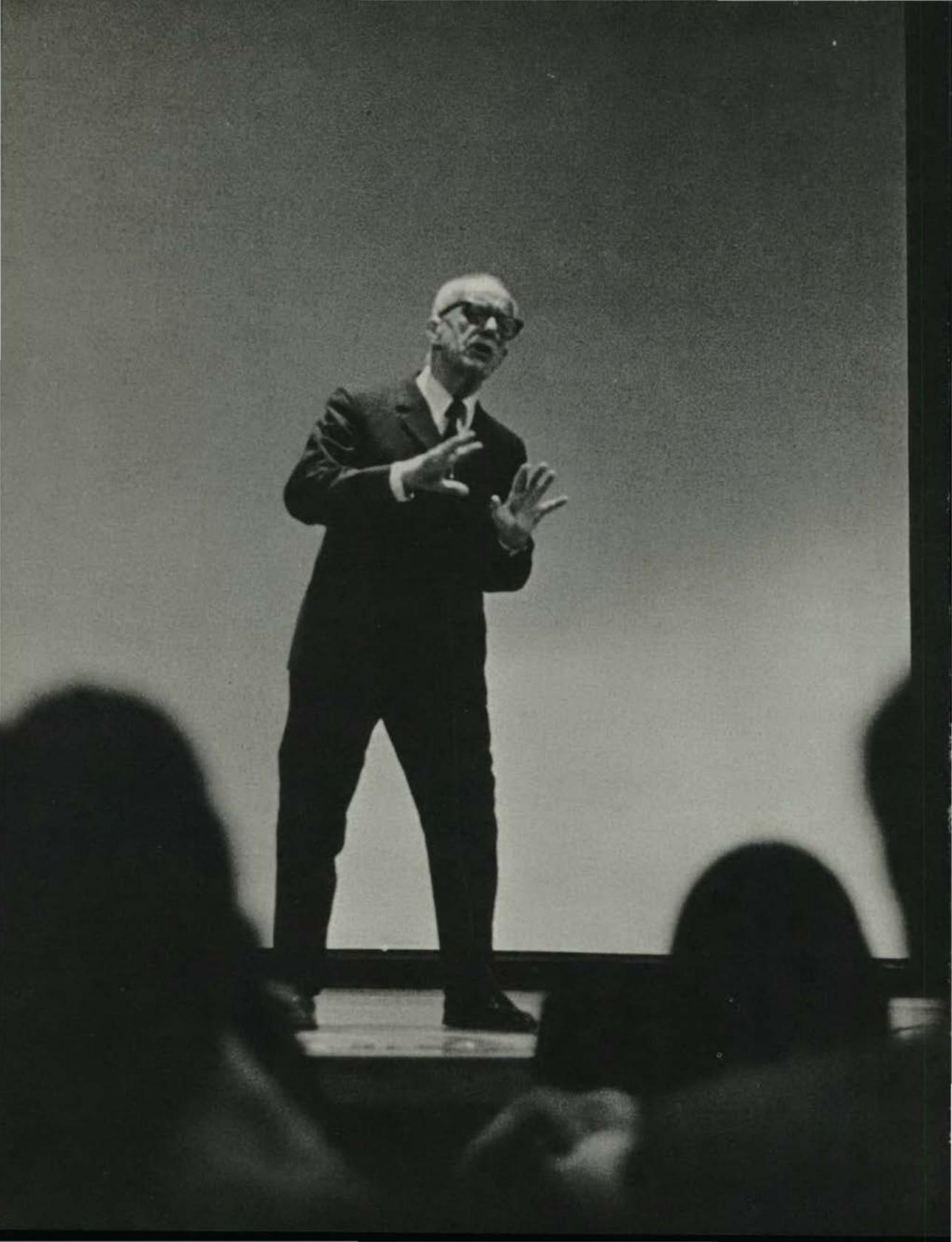
All work toward the fulfillment of the requirements of a master's degree must be completed within seven years.

THESES

Two copies of the thesis typed and bound (original and first carbon), must be filed in the University library. Departments may require additional copies. All records of work done in connection with the preparation of theses are the property of the University and can be released with the permission of the head of the department and the Vice President for Research and Advanced Study after having been reproduced by the University.

EXTENDED REGISTRATION FOR GRADUATE STUDENTS

A student whose only remaining requirement is the removal of a deferred grade in thesis or special topics must complete graduate extended registration at the beginning of each semester until the deferred grade is removed, since a student who is working toward a higher degree must be registered. In order to extend his registration, the student must complete the appropriate registration form, obtain the approval of the chairman of his graduate committee and the dean of his college, and pay the graduate extended registration fee of \$27.00, which is equivalent to the cost of registering for one graduate credit hour. With this completed, the student is considered enrolled in the current semester.



ACADEMIC REGULATIONS

Each student will be held responsible for the regulations of the University as they apply to him.

Attendance - Regular attendance is expected in all classes. Unexcused absences may result in a student's being dropped from the course with a failing grade. It is the responsibility of the student to establish to the instructor's satisfaction the validity of an excuse for absence and to work out with the instructor acceptable arrangements for making up missed work.

Class Standing - Class standing is determined on the basis of total credits earned.

Students are classified as:

Freshman . . .	0-29 credits
Sophomore . . .	30-59 credits
Junior	60-94 credits
Senior	95 credits

Transfer students will be given class standing on the basis of the number of credits accepted by the University. Special students are registered without class standing.

Study Load - Students normally may register for 18 semester hours of credit; for 19-20 semester hours with the approval of the dean of the college; for 21 or more semester hours provided the student's grade point average with a full time study loan for the past two semesters is at least 2.75 and with the approval of the Academic Council.

For the purpose of computing study loads, non-credit courses are rated the same as credit courses.

A full time student is one who enrolls for 12 or more semester hours of credit. A full time graduate student is one who enrolls for 9 or more semester hours or its equivalent. Any student who qualifies for entrance and registers for fewer than 12 credits will be classified as "part-time" regardless of his previous standing.

Any regular student who does not follow a prescribed course of study or curriculum leading to a specific degree will be enrolled as "interim" major. A student with an interest in a specific division, but who has not selected a major from that division, will be enrolled as a "non-major" in the division.

Credit-by-Examination - An enrolled student is eligible to request credit-by-examination through the Counseling Office of Anchorage Community College. The request must be initiated a minimum of 40 days before the date of the

examination. When his request is granted, the student is required to (1) pay the fees for the examination at the Comptroller's Office and (2) present the receipt at the Counseling Center a minimum of 40 days before the date of the examination. A course in which a student has previously registered as an auditor may not be completed for credit-by-examination. The examination for a specific course is graded either P (pass) or F (fail) and is recorded as such on the permanent record. A student who fails to obtain an acceptable score on the examination may not repeat the examination within one year.

The General Examinations are graded on a credit-no-credit basis and only the area examinations passed with an acceptable score are recorded on the permanent record. The General Examinations and some Subject Examinations prepared for the College Level Examination Program by the Educational Testing Service have been approved as acceptable examinations to challenge general requirements or specific courses, respectively, by the academic departments concerned. A list of the approved CLEP Subject Examinations may be obtained at the Registrar's Office.

A person presenting a transcript with acceptable scores on the approved CLEP Examinations from the Educational Testing Service will be granted credit for the appropriate course. The University of Alaska grants generally three semester hours of credit for each area examination of the General Examinations offered through the College Level Examination Program.

Grading System - Only letter grades appear on the student's record and transcript. Attention is called to the following analysis:

- A - An honor grade: indicates originality and independent work, a thorough mastery of the subject, and the satisfactory completion of more work than is regularly required.
- B - Indicates outstanding ability and a performance definitely above the average.
- C - Indicates a satisfactory and average response to assignments.
- D - The lowest passing grade; indicates work of poor quality and does not entitle the student to recommendation of the University.
- F - Indicates failure.
- P - Indicates passing work and carries no grade point.
- S - Indicates satisfactory completion, is used only for graduate theses and carries no grade point.
- I - Given only in cases where the student must do additional work for satisfactory completion of the course and where work already completed is grade C or better; may be given for unavoidable absence or other conditions beyond the control of the student.
The grade for work that is incomplete (I) becomes a failure (F) if the work is not completed by the end of the sixth week following the student's next registration. At the option of the instructor and head of the department offering the course, the removal of the incomplete may be postponed until the next semester in which the course is regularly given.
- DF - Indicates that the course requirements cannot be completed by the end of the semester; that credit may be withheld without penalty until the requirements of the course are met within an approved time. This designation will be used with courses such as thesis, special projects, etc. that require more than one semester to complete or in cases where the course was not completed through the fault of the University.

W - Withdrawn. Given when a student makes a regular withdrawal from a class. A student may, if circumstances warrant, withdraw from a class any time up to the final examination at the end of the semester. A grade of "W" will be given. Student initiated withdrawals are not permitted during the last month of the semester. Grades of WP and WF will no longer be used to indicate a student's academic status at the time of withdrawal. The grade of "W" carries no grade points and does not affect the grade point average. The normal procedure for dropping a class or withdrawing from the University will still be followed, as outlined under Drop/Add on the next pages.

Grade Points - For the computation of grade points, each credit is multiplied by a grade factor: Grade A by 4, grade B by 3, grade C by 2, grade D by 1, and grade F by 0. The record and transcript of the student show all grades received, together with all ruling on special petitions or authorized substitutions. A grade point average 2.00 is required for good scholastic standing.

Honor Rolls - Students who earn at least a 3.5 semester grade point average for no less than 12 credit hours are listed by the Vice President for Academic Affairs on the University's Honor Roll.

Change of Major - A student desiring to change his major may do so at registration time or by requesting the change at the registrar's office.

Drop/Add - A student is expected to complete the courses in which he is enrolled. He may if circumstances warrant, withdraw without grade penalty, up to the time of the final examination. Elective and non-sequence courses should be dropped first. Students wishing to add courses to their schedules may do so until the end of the late registration period, without the authorizing signature of the instructor. The drop/add fee is \$1 per transaction. Drop/add cards may be obtained from the registrar.

PRIVACY OF STUDENT RECORDS

Recognizing the need to insure the privacy of individual records, the University releases information only upon permission of students to agencies off campus. Records are available for legitimate on-campus professional use on a need-to-know basis.

ACADEMIC ADVISING

The University recognizes that academic success is promoted by close personal relationships between faculty and students. To foster this relationship it has established a system of faculty advising which enables the student to become well acquainted with the degree programs available at the University and assures involvement of faculty in assisting the student choosing a course of study.

GRADUATION

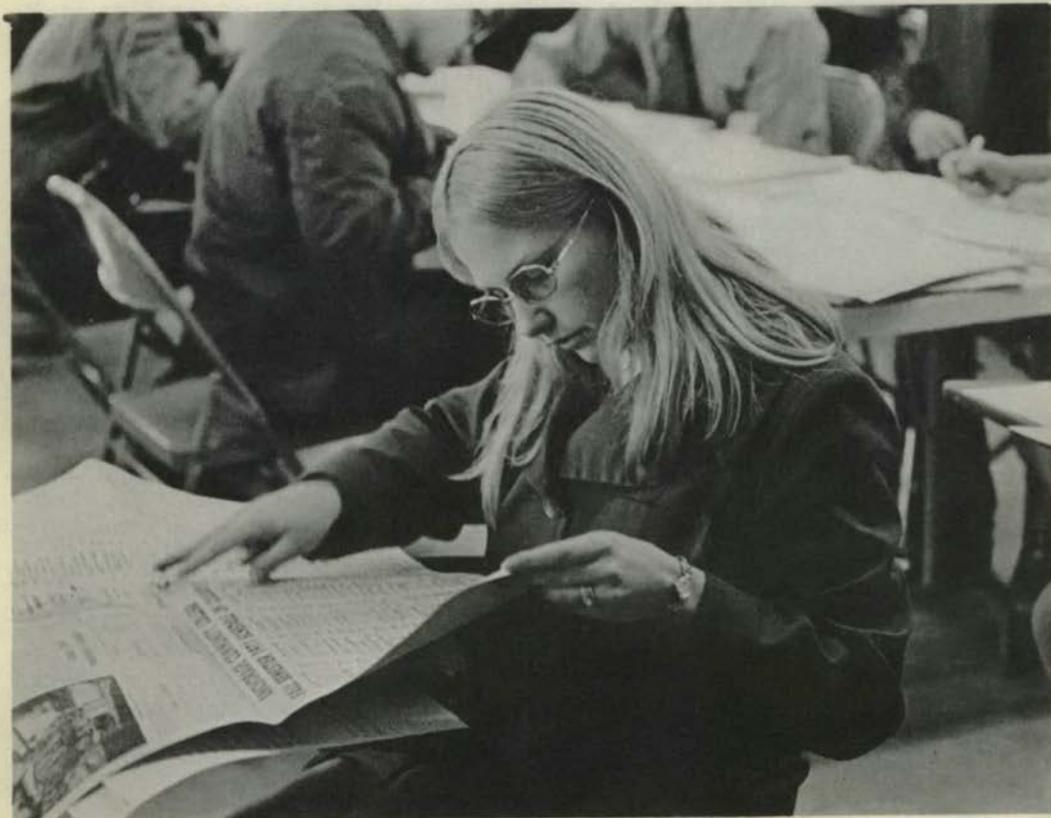
Graduation - The responsibility for meeting all requirements for graduation rests upon the student.

Application For Graduation - In the second semester of his junior year, each student who expects to qualify for a bachelor's degree must file a written application for graduation on a form furnished by the Graduation Division of the Registrar's Office. Each applicant and his major department will receive a written report on his standing upon which to plan the work of his senior year.

Graduation With Honors - Students who obtain a grade point average of 3.5 will be graduated cum laude; 3.8 magna cum laude; and 4.0 summa cum laude provided they meet the honors as well as the general residence requirements.

In order to graduate with honors, students transferring from other institutions must have been in attendance at the University of Alaska for at least four semesters with a minimum of 12 credits each semester.

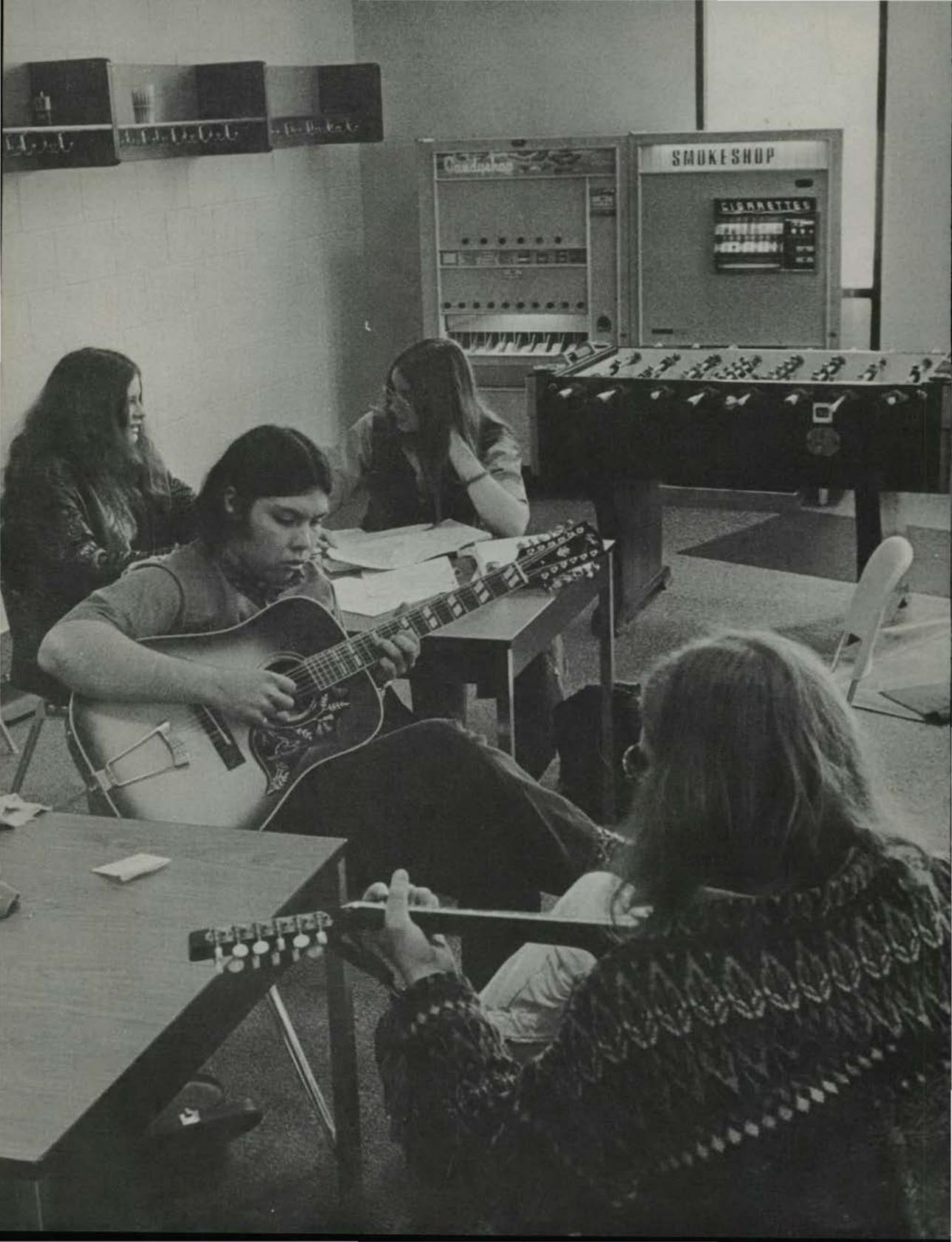
Graduate in Absentia - It is a policy of the University that students who will not be present at commencement submit written requests with justification to graduate in absentia to the Registrar.



RESEARCH AND PUBLIC SERVICE

Center for Alcoholism and Addictions Studies -- The center was established to serve the unique needs of Alaskan villages as well as urban centers. The three-fold purpose of this center is to conduct research in regard to Alaskan alcohol and other addiction problems, to train personnel to serve in existing and developing programs throughout the state, and to provide consultation and assistance to communities and agencies struggling to cope with the problems of alcoholism and other addictions.

Community Counseling Center -- The center performs a triadic function: provides a counseling service to the community; offers a learning situation to counseling psychology students; supplies a vehicle for research. Counseling is provided for members of the community from the young child through the mature adult, presenting a diversity of emotional problems. Student counselors are masters degree candidates in the final stages of their professional preparation. Research proposals for master degree investigative papers often are related to the ongoing work of the center.



STUDENT AFFAIRS

STUDENT BEHAVIORAL STANDARDS

During repeated periods of self study at the University of Alaska, students, faculty and administration have arrived at a statement of objectives for the university.

The summary of this statement is that the university should "strive above all to develop in its students at all levels those qualities of mind and body that are necessary for life as a worthy human being in a democratic society." In every democratic society there are certain restraints which insure that both the majority and minority will be able to exercise their maximum rights in pursuing a meaningful and fruitful life. Over the years the university has developed certain guidelines to be followed.

The following university policies and regulations have been reviewed and approved by the President and the Provost of the Southcentral Region.

FREEDOM OF EXPRESSION

The rights of free speech and peaceable assembly being fundamental to the democratic process, the university supports the rights of students and other members of the university community to express their views and opinions on actions or ideas, to associate freely with others, and to assemble peacefully.

Whether expressing themselves as individuals or as organized groups, members of the university community are expected to conduct themselves responsibly and to respect the basic educational goals of the university.

Accordingly, the university insists that free expression be such that the rights of others are not violated. Deliberate disruption of educational processes and functions of the university would constitute such a violation.

RESPONSIBILITY

The University subscribes to behavioral standards and responsibilities, principles of due process and a fair hearing as prepared by the joint statement of the American Association of University Professors, the U. S. National Student Association, the Association of American Colleges, the National Association of Women Deans and Counselors, and the National Association of Student Personnel Administrators.

BOOKSTORE

The Community College Bookstore which is located on the Community College campus, in the Sally Monserud Building, 2533 Providence Avenue, Anchorage, serves the students of the Senior College and the rest of the Southcentral Region.

In addition to carrying the textbooks for course work, the bookstore has a large selection of current best sellers and paperbacks. Other supplies include notebooks, pencils, pens, sweat shirts, jackets, etc.

The bookstore is open Monday - Thursday from 8:30 a.m. to 7:00 p.m. and Friday from 8:30 a.m. to 4:00 p.m.

An additional bookstore is located at the University of Alaska, Anchorage office on Elmendorf Air Force Base for students taking courses at Elmendorf.

LIBRARY

The new \$6 million Regional Library and Instructional Materials Center, completed in the fall of this academic year, is available to the students of the University of Alaska, Anchorage and Alaska Methodist University. The library book collection consists of approximately 120,000 volumes as well as non-print media (films, tapes, cassettes, etc.) The library provides a research facility for the Southcentral Region. It has a special collection of materials on Alaska and the Polar Regions, is a select depository for U.S. Government publications and a complete depository for Alaska state publications.

The library occupies five pods in the new building. One of the outstanding features is the abundance of individual study areas. An all night study area is open in the reserve book section and weekend library service is available. Typing rooms and conference rooms also are available.

ACTIVITIES

A broad opportunity for participation in musical programs is offered by the Community College. Chorus, mixed choir and orchestra are open to all university students and the public and a full schedule of events is offered.

Through its affiliation with various community organizations, the Community College is able to contribute to and support other cultural activities such as drama, opera and other areas in Anchorage.

The University has a developing program of intercollegiate sports to provide an opportunity for students to participate in various activities. Programs already are under way in cross country skiing, cross country running, hockey and basketball.

The student newspaper, Spectrum, provides a voice for students.

ALUMNI

The University of Alaska Alumni Association was founded November 16, 1927. The association promotes interest in the university among graduates and former students in an effort to encourage continuing education among alumni, to advance the scholastic standing and the physical plant of the institution, and to preserve its history and traditions.

The Anchorage chapter of the association is an independent branch with special emphasis on cooperation with the University of Alaska, Anchorage. Affiliation with the Anchorage chapter automatically includes membership in the parent organization. The Anchorage group requires 10 credits from the university for full membership.

All graduates and former students who have taken courses for credit at the University of Alaska, including any of its community colleges and branches, are eligible to belong to the association. The "Alaska Alumnus," a quarterly magazine, is published by the alumni office on the university campus at Fairbanks and sent to all alumni.

MILITARY SERVICES

Base Education Office - Military students should visit the Base Education Office for advisement on registration procedures, tuition assistance and other pertinent information.

(a) **In-Service VA** - No VA students will be enrolled unless approved by the Education Services Officer. VA forms must be obtained through the Base Education Office.

(b) **Tuition Assistance** - Approval, advisement, eligibility must be determined by the Base Education Office before active duty personnel may enroll in any university courses.

(c) **Bootstrap** - Counseling must be obtained at the Base Education Office before formal application is made into the Bootstrap program.

REQUEST FOR TDY LETTER

Military students who wish to obtain permission from the Air Force or Army to be relieved from military duty temporarily to attend school full time will need an official letter from the Registrar.

The student submits his request for this letter through the Regional Center counseling office located on Elmendorf Air Force Base. A special form is completed for this request.

A student is not eligible to request this letter until after he has received the Registrar's Degree Requirement Check List stating his remaining degree requirements.

The Registrar completes and returns a letter, according to the student's instructions.

MILITARY TRANSCRIPT REQUESTS

Any student who has completed one or more courses at any unit of the University of Alaska may request a military transcript for military purposes only. The request is submitted to the University Registrar from the Regional office on Elmendorf on a Military Transcript Request form.

Attached to this request is the evaluation of his military service schooling, a DD295 form and certificates for each course the student has completed by the United States Armed Forces Institute (U.S.A.F.I.). No transcripts of work completed at other academic institutions are sent with this request.

Prior to sending the Military Transcript Request, the counseling staff will evaluate the military service schooling on the form Recommended Evaluation of Military Schooling. This is attached to a DD295 military form and all U.S.A.F.I. certificates to the Military Transcript Request and is sent to the University Registrar.

A student may not request a military transcript until after he has completed at least one course and received a grade on it. This is because he will have no permanent record from which to make a transcript.

MILITARY EVALUATION

For an evaluation of military courses, students should obtain a DD295 form from the Base Education Office listing all military courses. This form should then be taken to the Regional Center Office on Elmendorf for evaluation of possible applicable college credit.

ANCHORAGE HIGHER EDUCATION CONSORTIUM

A consortium arrangement between the University of Alaska, Anchorage Community College and Senior College, and Alaska Methodist University has been instituted.

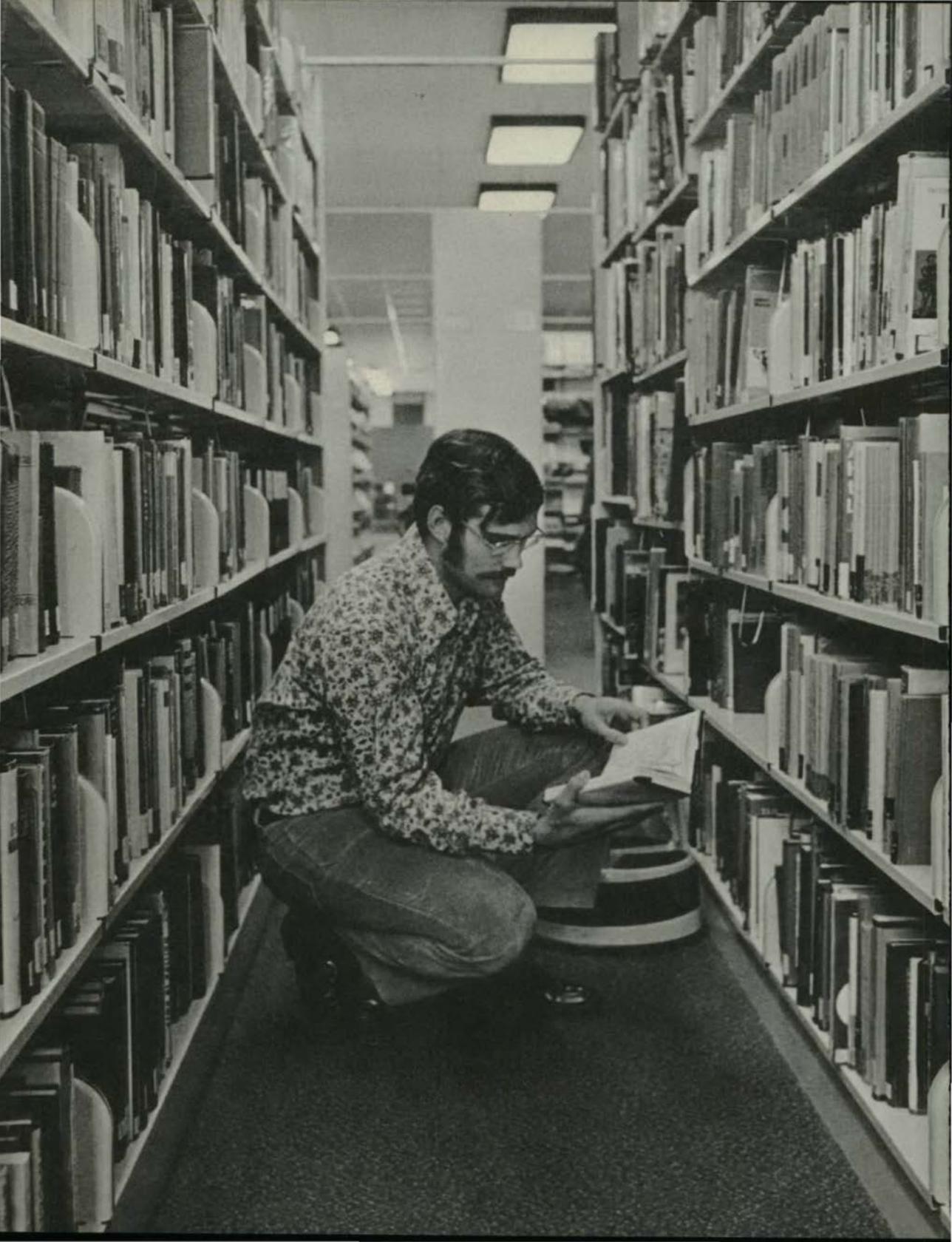
This arrangement provides for cooperative course offerings and "cross-registration" of students for courses not available at the home institution and for those courses that are significantly different from those offered at the home institution. A student also may register at the cooperating institution if he has a conflict in the scheduling of classes in any given semester. The joint registration or cross registration course is considered as a resident course rather than a transfer course. In addition to cross registering for one academic course, a student may cross register for a physical education course.

The purpose of the cooperative arrangement is to strengthen educational offerings to Anchorage area students through conservation and more efficient allocation of the limited resources of money, staff and facilities.

A consortium council, with four operating sub-committees and composed of representatives of the administration, faculties, and student bodies of the two universities is currently functioning. The subsidiary groups are under the headings of student mobility, facility sharing, curriculum alignment and special cooperative study areas. The sub-committees make recommendations to the council for recommendation to the respective administrations of the joint advisory board as to activities to be given consortium standing. These activities may be in the form of specific course work, seminars, broadly based programs, workshops or other enterprises appropriate to institutions of higher education.

The consortium director, supported by office staff and assisted by a faculty member from each of the participating institutions or divisions, has been assigned the responsibility of coordinating the efforts of the council, and through it, the entire consortium program. Faculty members appointed to the executive committee of the council have been given release time from other university responsibilities to work in this area.

Most visible of the cooperative efforts is the construction of the \$6,000,000 Regional Library and instructional Materials Center occupied for the first time in the 1972-73 academic year. This joint facility is designed to serve the needs of the total community of higher education in the southcentral region of Alaska.



ACADEMIC DIVISIONS

The University of Alaska, Anchorage Senior College handles upper division and graduate programs in Anchorage. The Senior College is organized by divisions:

DIVISION OF ARTS AND LETTERS

Art, English, Journalism, Music, Philosophy, Speech Communication.

DIVISION OF BEHAVIORAL SCIENCES

Anthropology, Psychology, Sociology.

DIVISION OF ECONOMICS, BUSINESS, AND PUBLIC ADMINISTRATION

Accounting, Business Administration, Economics, History, Political Science, Public Administration.

DIVISION OF EDUCATION

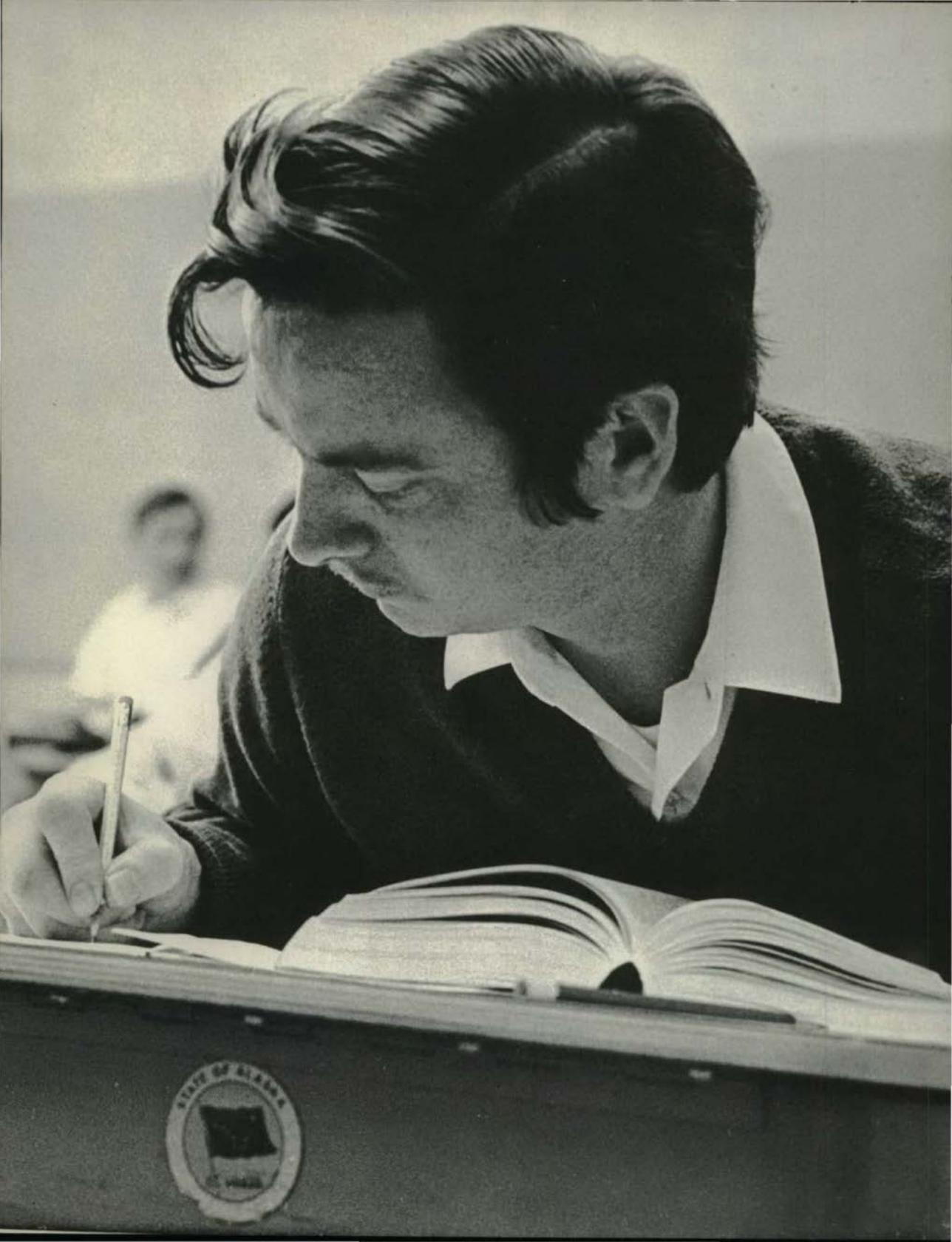
Education.

DIVISION OF MATHEMATICS, SCIENCE AND ENGINEERING

Civil Engineering, Engineering Management, Geography, Geology, Mathematics, Science Management

Upper division courses are offered in most fields with the exception of the physical and natural sciences. However, majors are available in business, economics, education, English, history, psychology and sociology. Programs are being considered in anthropology, journalism and mathematics. Limited courses are available in these areas as well as in art, civil engineering, geography, geology, music, philosophy, political science, and speech communication.

The programs are designed to meet the needs of the Anchorage community, both civilian and military, for matriculation toward bachelor and graduate degrees. A limited number of day-time classes are offered in the Senior College facilities of the Regional Library and Instructional Materials Center, but the program is primarily a late afternoon and evening program. These classes are held in the various Anchorage area high schools, on Elmendorf Air Force Base and the Senior College facilities. Students may elect to take courses wherever they are offered.



DEGREE PROGRAMS

DIVISION OF ARTS AND LETTERS

ENGLISH

Degrees -- Bachelor of Arts, Master of Arts, Master of Arts in Teaching, and Master of Fine Arts.

Minimum requirements for degrees: B.A. - 130 credits; M.A. - 30 additional credits; M.A.T. - 30 additional credits; M.F.A. - 45 additional credits.

Writing and reading distribute ideas and make them available to all. Courses in the writing of English perfect expression, encourage creativity; the study of literature both delights and builds a regard for scholarship. Through its writing courses, its courses in language and literature, the department offers much to developing minds.

REQUIREMENTS FOR A B.A. DEGREE WITH AN ENGLISH MAJOR

1. Complete the general requirements for a B.A. degree
2. Complete 33 credits (at least 21 credits on the 300 level or above) in English besides Engl.111 and Engl. 211 or 213, including:

	Credits
Engl. 201-202 - Masterpiece of World Literature	6
or	
Engl. 203-204 - Survey of British Literature	6
Engl. 327 - Colonial American Writing	3
or	
Engl. 328 - 19th Century American Prose and Poetry	3
Engl. 424 - Shakespeare	3
Engl. 421 - Chaucer	3
or	
Engl. 426 - Milton	3
One course (three credits) chosen from:	
Engl. 318 - Modern Grammar	3
Engl. 462 - Linguistics and Literature	3
Engl. 472 - History of the English Language	3

A MINOR IN ENGLISH REQUIRES 18 CREDITS BESIDES ENGL. 111 AND ENGL. 211 OR 213, INCLUDING:

- | | |
|--|---|
| Engl. 201-202 - Masterpieces of World Literature | 6 |
| or | |
| Engl. 203-204 - Survey of British Literature | 6 |
| Engl. 424 - Shakespeare | 3 |
| One course (three credits) chosen from: | |
| Engl. 318 - Modern Grammar | 3 |
| Engl. 421 - Chaucer | 3 |

Engl. 426 - Milton	3
Engl. 462 - Linguistics and Literature	3
Engl. 472 - History of the English Language	3

REQUIREMENTS FOR A M.A. DEGREE IN ENGLISH

1. A minimum of 30 credits of approved courses.
2. Completion of the general graduate degree requirements.
3. Reading knowledge of a foreign language.
4. Thesis (six credits) or other appropriate work.

REQUIREMENTS FOR M.F.A. DEGREE IN CREATIVE WRITING

1. Creative writing courses (12 credits) English 675, 681, 685 - Writing Drama, Fiction and Verse (No more than six credits may be taken in any one course.)	12
2. Required English courses and electives (15 credits) English 600 - Introduction to Graduate Studies in English	3
Approved English Electives	9
3. Required craft courses and interdisciplinary electives (6 credits): English 381, 382, 383 - Craft of Poetry, Fiction and Drama	6
(No more than three hours may be taken in any one course.)	
4. Interdisciplinary electives (9 credits)	9
5. Thesis	6
6. Reading list; comprehensive exam.	
7. Optional route to the M.F.A. Degree (The student may, if he prefers, forego the examination over the reading list by passing an exam indicating a reading knowledge of a foreign language, and by doing a number of translations of creative work, the amount to be determined by his committee.)	
Total	45

REQUIREMENTS FOR M.A.T. DEGREE IN ENGLISH

This degree is designed to serve baccalaureate graduates who have qualified or who can qualify for the Alaska secondary school certificate; who intend to make secondary school classroom teaching their career; and who wish to take additional work in their teaching major as well as in education. A minimum of 30 hours is required. An advisory committee, appointed by the head of the department, will require a minimum of 15 hours (nine of them on the graduate level) of English courses taken at the U. of A.

DIVISION OF BEHAVIORAL SCIENCES

PSYCHOLOGY

Degrees -- Bachelor of Arts, Bachelor of Science in Psychology, Master of Science in Counseling Psychology.

Minimum Requirements for Degrees: B.A. -- 130 Credits; B.S. -- 130 Credits; M.S. in Counseling Psychology -- 36 Additional Credits.

Psychology seeks to guide the student in an understanding of human behavior. The field of psychology is necessary for students who are preparing for graduate study in psychology and also is helpful in preparing for other career fields.

REQUIREMENTS FOR B.A. DEGREE OR B.S. DEGREE WITH A PSYCHOLOGY MAJOR

1. Complete general requirements for a B.A. or B.S. degree.
2. Complete 30 credits in Psychology beyond Psy. 101 and 201, including:

Psy 251 - Intro. Statistics for Behavioral Sciences	3
Psy 261 - Intro. to Experimental Psychology	3
Psy 406 - Theories of Personality	3
Psy 464 - Learning	3

 And 9 credits from the following Clinically-Oriented Courses:

Psy 245 - Child Development	3
Psy 246 - Adolescence	3
Psy 302 - Social Psychology	3
Psy 338 - Abnormal Psychology	3
Psy 373 - Psychological Testing	3
Psy 434 - Undergraduate Practicum	3

 And 9 credits from the following Experimentally-Oriented Courses:

Psy 301 - History and Systems of Psychology	3
Psy 362 - Intermediate Experimental Psychology	3
Psy 407 - Motivation	3
Psy 465 - Comparative and Physiological Psychology	3
Psy 466 - Perception	3
Psy 473 - Social Science Research	3
3. Complete 9 credits, as follows:

One course each from Anthropology, Philosophy and Sociology.

A MINOR IN PSYCHOLOGY REQUIRES 15 CREDITS IN PSYCHOLOGY BEYOND PSY. 101 and 201.

REQUIREMENTS FOR AN M.S. DEGREE IN COUNSELING PSYCHOLOGY

This curriculum is designed for counselors who are engaged in counseling within an agency setting. It includes the theory, personality dynamics, resources, methods and understanding of community organizations and services, and practicum training used to counsel effectively. Thirty-six hours of course work are required.

An applicant must have an accredited degree within the behavioral sciences. His undergraduate record should be above average and indicate an intellectual capacity, seriousness, maturity and other factors favorable to success in counseling. "Before acceptance, satisfactory scores on the Graduate Record Specialty Examination in Psychology and the Miller Analogies Test are Required."

REQUIRED COURSES:

Psy 621 - Learning, Motivation and Emotion	3
Psy 622 - Seminar in Personality Theory and Social Psychology	3
Psy 623 - Individual Counseling	3

Psy 624 - Group Counseling	3
Psy 628 - Analysis of the Individual	3
Psy 634 - Counseling Practicum	6
Psy 693 - S.T. Investigative Paper	3
Psy 694 - S.T. Investigative Paper	3

Electives: 9 hours of graduate courses in Psychology or other areas approved by the student's committee.

In order to fulfill the degree requirements, 36 hours of course work and an investigative paper must be approved by the student's committee.

Completion of the general requirements for a graduate degree.

DIVISION OF BEHAVIORAL SCIENCES

SOCIOLOGY

Degrees - Bachelor of Arts, Bachelor of Science

Minimum Requirements for Degrees - 130 credits

Sociology is the study of social systems - the way they are formed, sustained and changed. It is concerned with the processes which shape man's language, world view and behavior. The curriculum in sociology is meant to provide the following general functions for the university: a contribution to liberal education, preparation for graduate training in sociology, and general preparation for the helping services.

It is expected that the student receiving the B.A. or B.S. in Sociology will have a program built around social theory and research methods as well as one other area of concentration.

Social service option: a concentration in social services is offered which concerns itself with the knowledge and methods used in the social institutions for the maintenance and enhancement of human social functioning. The social services include counseling, social work, social welfare, corrections, probation and parole.

REQUIREMENTS FOR B.A. DEGREE OR B.S. DEGREE WITH A SOCIOLOGY MAJOR

1. Complete general requirements for a B.A. or B.S. degree
2. Complete 32 credits in Sociology beyond Soc. 101 and 102, including:

Soc. 251 - Introduction to Statistics for Behavioral Sciences (psy)	3
Soc. 302 - Social Psychology (psy)	3
Soc. 304 - Culture and Personality	3
Soc. 309 - Urban Sociology	3
Soc. 402 - Theories of Sociology	3
Soc. 473 - Social Science Research Methods (psy)	3
3. And in consultation with an advisor, it is recommended that one course each be chosen from Anthropology, Philosophy, and Psychology.

A MINOR IN SOCIOLOGY REQUIRES 15 CREDITS IN SOCIOLOGY BEYOND SOC. 101-102.

SOCIOLOGY OPTION

REQUIREMENTS FOR A SOCIOLOGY MAJOR B.A. OR B.S. DEGREE WITH A CONCENTRATION IN SOCIAL SERVICES

1. Complete general requirements for a B.A. or B.S. degree.
2. Complete 32 credits beyond Soc. 101-102 and Psy. 101-201.
Required in the 32 credits are:

Soc. 201 - Social Problems	3
Soc. 251 - Intro. Statistics for Behavioral Sciences (Psy)	3
Soc. 333 - Social Welfare as a Social Institution	3
Soc. 336 - Social Work Methods	3
Soc. 363 - Social Stratification	3
Soc. 383 - Field Observation	2-3
3. And 12 credits from the following courses:

Soc. 242 - The Family	3
Soc. 302 - Social Psychology (Psy)	3
Soc. 304 - Culture and Personality	3
Soc. 309 - Urban Sociology	3
Soc. 343 - Sociology of Deviant Behavior	3
Soc. 408 - American Minority Groups	3
4. And 3-5 Credits from the following courses:

Psy. 245 - Child Development	3
Psy. 246 - Adolescence (Soc.)	3
Psy. 338 - Abnormal Psychology	3
Psy. 433 - Clinical Psychology	3
5. And in consultation with advisor it is recommended that one course each be chosen from Anthropology, Philosophy, and Political Science.

DIVISION OF ECONOMICS, BUSINESS AND PUBLIC ADMINISTRATION

Degrees - Bachelor of Arts with an economics major, Bachelor of Science with an economics major, Master of Science in Economics, Bachelor of Business Administration, Master of Business Administration, Master of Public Administration, Bachelor of Arts with a History major.

ECONOMICS

Degrees - Bachelor of Arts, Bachelor of Science, Master of Science

Minimum Requirements for Degrees: 130 credits for Bachelor's, 30 additional credits for Master's.

Economics is the study of those social activities of man which are concerned with the distribution, and consumption of goods and services. In today's complex world, nearly all social phenomena and problems have economic aspects. Organized knowledge of the functioning of our and of its relations with other economic systems is therefore essential to an understanding of the world in which we live.

The department considers its goal of teaching to be three-fold: (1) to provide students with basic tools of analysis, and factual, statistical and descriptive materials which will assist them in discharging their duties as citizens; (2) to introduce students majoring in this department to the various fields of economics in order to prepare them for positions in business, government, and graduate study; (3) to offer a course of study suitable for a minor in economics.

REQUIREMENTS FOR A B.A. DEGREE WITH AN ECONOMICS MAJOR

1. Complete general requirements for a B.A. degree.
2. Complete the following additional foundation courses:

Acc. 101 - Elementary Accounting	3
Econ. 121-122 - Principles of Economics	6
Behavioral Sciences: Psy., Soc., Anthro.	3
Math 121-122 - Elementary Functions and Modern Algebra	8
or	
Math 106 - College Algebra and Trigonometry	5
Math 200 - Calculus	4
P.S. 101 - American Government	3
3. Complete 25 additional credits in Economics, including:

Econ. 221 - Intro. to Statistics for Economics and Business	3
Econ. 321 - Intermediate Microeconomic Theory	3
Econ. 324 - Intermediate Macroeconomic Theory	3
Econ. 472 - Seminar in Contemporary Economic Problems	3
Electives in Economics	15

(Six hours of the following courses may be included:
B.A. 325, 359, 372, 424, 425, 480, and Geog. 103.)

A MINOR IN ECONOMICS REQUIRES 15 CREDITS IN ECONOMICS.

REQUIREMENTS FOR B.S. DEGREE WITH AN ECONOMIC MAJOR

1. Complete the general requirements for a B.S. degree.
2. Complete the following foundation courses:

Economics 121-122 - Principles of Economics	6
Math 121-122 - Introduction to Modern Algebra and Analysis	8
or	
Math 106 - College Algebra and Trigonometry	5
Math 200 - Calculus	4
Accounting 101	3
Political Science 101-102 - American Government and Political Science	6
3. Complete 30 additional credits in Economics, including:

Economics 221 - Introduction to Statistics	3
Economics 321 - Intermediate Microeconomics	3
Economics 324 - Intermediate Macroeconomics	3
Economics 472 - Seminar in Contemporary Econ.	3
Electives in Economics (300 level or higher)	15

(Six hours of the following may be included):
B.A. 325, 359, 372, 424, 425.

REQUIREMENTS FOR M.S. DEGREE WITH AN ECONOMICS MAJOR

Minimum Requirements for Degree: 30 Credits in addition to 130 credits for a bachelor's degree.

The program is intended to prepare students for careers in teaching, government and industry and for doctoral study.

The Graduate program is designed, in conference with a faculty advisor, to meet the needs of the individual student and arranged with respect to his undergraduate preparation as well as his goals. The student's course program, however must include a balanced coverage of principal areas in economics so as to insure a broad understanding of the discipline.

A student who has insufficient preparation in micro-theory, macro-theory and statistics, will be required by the departmental committee either;

to take additional courses over and above the normal number of courses needed for the Master's Degree;

or to undertake independent study in areas in which he is deficient and to take an examination to confirm his mastery of those areas.

Thesis and Examination. The student must, in consultation with his advisory committee, select one of two options:

1. Submit a theses on a topic approved by the department; acceptable for 6 credits.
2. In lieu of thesis, complete, in addition to normal requirements, two courses at the graduate level with a grade of B or better and submission to his Master's degree committee an acceptable research paper written in one of his graduate courses.

Core Requirements:

Economics 610 - Mathematical Economics	3
Economics 691 - Seminar in price and Allocation Theory	3
Economics 692 - Seminar in the Theory of Income and Economic Fluctuations	3

Electives to complete 30 credits:

Econ. 600 - History of Economic Thought	3
Econ. 606 - Economic History	3
Econ. 607 - Public Finance and Taxation	3
Econ. 608 - Monetary Theory	3
Econ. 609 - Industrial Organization and Public Policy	3
Econ. 612 - Econometrics	3
Econ. 615 - Seminar in Labor Economics and Wage Determination	3
Econ. 620 - International Economics	3
Econ. 624 - Petroleum Economics	3
Econ. 630 - Economic Planning	3
Econ. 640 - Economics of Transportation	3
Econ. 686 - Statistical Decision Theory	3
Econ. 695 - Seminar in Economic Research	3
Econ. 696 - Seminar in Economic Research	3
Total Credits	30

A final comprehensive examination, either written or oral, is required, and is given all candidates for the Master's degree not later than eight days before the close of the semester in which the degree is to be awarded. The examination committee consists of at least three members of the Business Administration and Economics faculty. The committee may recommend the conditions under which a second examination may be administered. The majority opinion of the examining committee shall prevail. When the committee is evenly divided in its opinion the degree shall be awarded. A third examination will not be allowed.

HISTORY**Degree - Bachelor of Arts****Minimum Requirements for degree - B.A. 130 credits**

The History Program seeks to make the student aware of the cultural heritage of mankind, the great problems that man has faced throughout history and how he has sought to solve them.

Through the study of history, a student may prepare himself for a career in teaching, in the public service, or for advanced work in history and other social sciences.

REQUIREMENTS FOR B.A. DEGREE WITH A MAJOR IN HISTORY

1. Complete general requirements for a B.A. degree.
2. Complete the following foundation courses:

Hist. 101-102 - Western Civilization	6
Hist. 131-132 - History of the U.S.	6
Hist. 121-122 - East Asian Civilization	6
3. Complete 21 upper division credits in History, including:

Hist. 475-476 - Introduction to Historical Method	6
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A. MINOR IN HISTORY REQUIRES 12 CREDITS OF HISTORY ELECTIVES BEYOND HISTORY 101 AND 102 OR HISTORY 121 AND 122, SIX OF WHICH MUST BE ABOVE THE 100 LEVEL.

BUSINESS ADMINISTRATION**Degrees - Bachelor of Business Administration, Master of Business Administration.**

Minimum Requirements for Degrees: B.B.A. - 130; M.B.A. - 30 Additional Credits.

The Business Administration Department offers professional training in the field of accounting, management, finance, and marketing to those individuals interested in entering industry or government upon graduation. The objective of the program is to prepare men and women to meet the complex problems of the political, economic, and social environment and to enable them to give efficient service to industry and government on the basis of their academic training.

REQUIREMENTS FOR A BACHELOR OF BUSINESS ADMINISTRATION DEGREE

1. Complete general requirements for a B.B.A. degree.
2. Complete the following foundation courses:

Acc. 101-102 - Elementary Accounting	5-6
B.A. 331-332 - Business Law	6
B.A. 325 - Financial Management	3
B.A. 343 - Principles of Marketing	3

B.A. 360 - Production Management	3
B.A. 371 - Business Data Processing	3
B.A. 372 - Business Simulation	3
B.A. 462 - Administrative Policy	3
B.A. 490 - Social Problems of Business	3

3. A student must take a minimum of 12 hours of the courses listed below including all of the courses in one of the three groups.

Management

B.A. 359 - Regulations of Industry	3
B.A. 361 - Industrial Relations	3
B.A. 424 - Managerial Economics	3
B.A. 480 - Organization Theory	3

Marketing

B.A. 359 - Regulation of Industry	3
B.A. 442 - Marketing Institutions and Channels	3
B.A. 443 - Marketing Analysis of Retailing Management	3
B.A. 444 - Industrial Marketing	3

Finance

B.A. 423 - Investment Management	3
B.A. 425 - Advanced Corporate Financial Problems	3
Acc. 315 - Analysis of Financial Statements	3
Econ. 351 - Public Finance and Taxation	3

A MINOR IN BUSINESS ADMINISTRATION REQUIRES 15 CREDITS OF BUSINESS ADMINISTRATION ELECTIVES.

REQUIREMENTS FOR A MASTER OF BUSINESS ADMINISTRATION

This degree is designed for the individual who desires to build a general competence in business administration and to develop his ability to analyze and solve problems faced by business managers. In addition to general "core" course requirements, a special area of emphasis can be selected, permitting the student to concentrate his efforts toward the latter period of his MBA program. Program options listed are not necessarily the only options available. Other areas of emphasis (e.g. Personnel Management, Marketing) can be arranged predicated upon faculty and curriculum availability.

1. Applicants must satisfy general University of Alaska requirements for the M.B.A. except as shown below.
2. A thesis is not required for this M.B.A.: nor, in all cases is an oral examination. Each student is expected to manifest his mastery of the subject areas by responding to a comprehensive written examination prepared by the faculty of Business Administration. If, in the opinion of his advisory committee, an oral examination seems appropriate in light of a student's performance in his written comprehensives, the committee can require the oral, at which time the entire faculty of Business Administration is invited to attend. A third written examination will not be allowed.
3. Each M.B.A. candidate is expected to complete the key courses listed in his chosen area of emphasis. In addition, all candidates are expected to complete the Core courses listed below, regardless of the area of emphasis chosen. In accordance with worthwhile trends in many universities towards allowing greater program flexibility, the faculty considers these

courses to be recommended rather than required. However, the background implied by the subject matter included in these courses is considered mandatory to successful achievement of the goals of the M.B.A. program. The advisory committee is plenipotentiary in all matters regarding the candidate's program of studies and his right to graduation.

Core Courses:	Credits
B.A. 690 - Seminar in Finance	3
B.A. 691 - Seminar in Marketing	3
B.A. 651 - Organizational Behavior	3
B.A. 692 - Management Science	3

The content of the core courses assumes an undergraduate business background including at least the course listed below or their equivalent. It is the responsibility of each student to acquire this minimum background either through additional course work or individual study: Econ. 122 - Economics; B.A. 325 - Financial Management; B.A. 343 - Marketing; B.A. 360 - Production Management; B.A. 371 - Business Data Processing; B.A. 372 - Business Simulation; B.A. 494 - Introduction to Management; Econ. 221 - Statistics; B.A. 462 - Administrative Policy.

Acceptance to Graduate Status

Applicants must satisfy general University of Alaska requirements for acceptance except as shown below.

Student applications for acceptance to the M.B.A. program will be evaluated on the following basis:

1. Student performance in the core courses.
2. Student undergraduate performance.
3. A satisfactory performance on the Graduate Business Examination.

The Advisory Committee

As the student completes his core course requirements and is formally admitted into the M.B.A. program, he will be asked to designate his chosen area of emphasis (a detailed description of program options follow.) At this time, a faculty member of the department of program emphasis will be appointed to chair the student's advisory committee. Together with the student, the advisory committee chairman will select two additional members to serve on the committee. They should be from other departments of Business or Economics.

The advisory committee is charged with: (1) developing the student's program of course work, beyond the core requirements; (2) providing the student with consultation as he moves through his program; (3) arranging the preparation and rendering of the written comprehensive examination after the student has completed his program of studies; (4) grading the written comprehensives; (5) convening an oral examination, if in the committee's judgement an oral is necessary to further examine the student and; (6) recommending the student for graduation or further course work.

REQUIREMENTS FOR AN M.B.A. DEGREE WITH AN ACCOUNTING EMPHASIS

Core Requirements	12
Required Courses:	
Accounting 608 - Accounting Theory	3
Accounting 621 - Advanced Cost Accounting	3
Accounting 673 - Controllership	3

Plus two of the following:

Accounting 615 - Tax Planning & Research	3
Accounting 634 - Application of Accounting Theory	3
Accounting 642 - Advanced Auditing	3
Electives (as approved by advisory committee)	3
Total Credits	30

REQUIREMENTS FOR AN M.B.A. DEGREE WITH A FINANCE EMPHASIS

Core Requirements	12
Required Courses:	
B.A. 680 - Financial Institutions and Policy	3
B.A. 681 - Advanced Problems in Finance	3
B.A. 684 - Seminar in Real Estate	3
B.A. 686 - Seminar in Investments	3
Elective Courses: (one of the following)	
B.A. 682 - Seminar in International Finance	3
B.A. 683 - Insurance and Trusts	3
Accounting 650 - Management Accounting Seminar	3
Other Electives as approved by Advisory committee	3
Total Credits	30

REQUIREMENTS FOR AN M.B.A. DEGREE WITH A MANAGEMENT AND ORGANIZATIONAL BEHAVIOR EMPHASIS

1. Core Requirements	12
2. Required Courses:	
B.A. 655 - Administrative Policy	3
B.A. 658 - Reading in Management & Organizational Behavior	3
3. Elective Courses: (One of the following)	
B.A. 650 - History & Development of Management and Organizations	3
B.A. 653 - Management of International Operations	3
B.A. 657 - Management Decision Making-Computer Gaming	3
Others as approved by Advisory Committee	9
Total Minimum Requirements	30

REQUIREMENTS FOR AN M.B.A. DEGREE WITH A QUANTITATIVE SYSTEMS EMPHASIS

1. Core Requirements	12
2. Required Courses	
B.A. 614 - Systems Analysis	3
B.A. 621 - Management Information Systems	3

B.A. 650 - Management Accounting Seminar	3
B.A. 622 - Quantitative Systems Seminar	3
3. Elective Courses:	
Economics Elective	3
Others as approved by Advisory Committee	3
Total	30

REQUIREMENTS FOR MASTER'S DEGREE IN PUBLIC ADMINISTRATION

Minimum requirements for Degree: 30 credits in addition to 130 credits for a bachelor's degree.

The graduate program in Public Administration at the University of Alaska, Anchorage seeks to prepare students for careers in governmental service. It has been structured to meet the educational needs of federal, state and local government employees and members of the military forces. Students in the program concentrate on the broader aspects of public policy, both in its formulation and execution. While specific significant fields such as economic development, welfare administration, personnel management, intergovernmental relations and state and local administration are examined in depth, the orientation of the program is strongly interdisciplinary. Certain courses are focused on Alaska's unique characteristics and developmental problems, but the curriculum generally reflects the current approaches to Public Administration in programs offered at other major institutions.

Applicants for admission to the program will be accepted initially with either graduate standing, on a conditional basis or on a postgraduate basis, in accordance with the provisions of the Manual of Procedures and Information for Graduate Students.

An advisory committee will be appointed for each student upon his admission to graduate standing. The advisory committee will guide the student in formulating his program. On completion of nine units of course work with a "B" average or better, with the approval of the thesis topic, when applicable, and upon the recommendation of his advisory committee, the student will be advanced to degree candidacy.

When the nature of the student's program warrants it, demonstrated competence in the fields of statistics, budgeting or computer programming may be required. This requirement may be satisfied by taking a course in one of these areas as determined by the student's advisory committee. Alternatively, where a foreign language is related to a student's program, demonstrated competence in that language may be required instead.

Core Requirements - Complete 12 credits from the following:

P.S. 601 - Public Administration in the Political Process	3
P.S. 610 - Administrative Theory and Behavior	3
P.S. 612 - Administrative Management	3
P.S. 615 - Comparative Administration	3
P.S. 618 - Accountability, Law and the Administrative Process	3
P.S. 620 - Administrative Internship	3
P.S. 625 - Economics and Public Policy	3

Electives:

P.S. 630 - Administrative Problems in Alaska	3
P.S. 634 - Natural Resources Administration	3
P.S. 689 - Scope, Methods and Techniques of Public Administration	3
P.S. 693-94 - Special Topics	(credit arranged)
P.S. 697-98 - Thesis Research	(credit arranged)

Thesis and Examination. The student must, in consultation with his advisory committee, select one of two options:

1. Submit a thesis on a topic approved by the department; acceptable for 6 credits.
2. In lieu of thesis, complete, in addition to normal requirements, two courses at the graduate level with a grade of B or better and submission to his Master's degree committee an acceptable research paper written in one of his graduate courses.

Catalog Electives:

With the Approval of the student's advisory committee 300, 400 and 600 level courses in the catalog may be taken for degree credit in the M.P.A. program when they are relevant to his individual program.

DIVISION OF EDUCATION

EDUCATION

Degrees - Bachelor of Education, Master of Education, Master of Arts in Teaching, Educational Specialist

Master's Degrees areas of Emphasis - Elementary, Secondary, Guidance, Public School Administration, Reading and Special Education.

Minimum Requirements for Degrees: B.Ed. - 130 Credits; M.Ed. - 36 Additional Credits; M.A.T. - 30 Additional Credits; ED.S. - 60 Additional Credits.

The Education Division offers curricula designed to prepare personnel for teaching in preschool, elementary and secondary schools. Students are introduced to fundamental problems of education in the contemporary world through courses designed to develop perspective and understanding of the relations of education to society. Courses provide information and practice in the development of instructional materials and the understanding of methods of instruction. Students are formally admitted to the program of teacher education on the basis of multiple criteria of their ability to make a positive contribution to the educational progression.

Certification - Students may qualify for teaching certificates in various states only by planning their programs to meet specific requirements. Certificates are issued by the appropriate state department of education. In Alaska, certificates are granted by Alaska Department of Education in Juneau. Students who obtain the B.Ed. degree will meet the current academic requirements for Alaskan certification. Any student minoring in education must meet the Alaska certification requirements. Students seeking a minor in education should consult with the head of the Education Division during their freshman year to obtain specific requirements. Forms for application for a teaching certificate may be obtained from the Head of the Education Division.

Admission to Teacher Education - Any student wishing to prepare for teaching through the University of Alaska must formally apply for admission to the Teacher Education Program. Students should consult with the head of the Education Division while enrolled in Education 201 to initiate procedures for formal application for admission to the Teacher Education Program. All students entering Teacher Education must complete a speech screening examination. Enrollment in education courses in no way implies admission to the Teacher Education Program.

Application for Admission to Teacher Education - Each student upon completion of the first semester of the sophomore year, or 40 semester credits, and each applicant for transfer into the Division of Teacher Education, must complete an application for admission and file it with the division. Upon approval of admission, notice will be received from the division office. Such approval is a prerequisite for transfer and for registration in upper division professional courses.

REQUIREMENTS FOR B.ED. DEGREE WITH AN ELEMENTARY EDUCATION MAJOR

1. Humanities (Art, English, Languages, Linguistics, Philosophy, Speech) 20
 - a. Required Courses:
 - Engl. 111 - Meth. of Written Communication and 3
 - Engl. 211 - Adv. Composition with Modes of Literature or 3
 - Engl. 213 - Adv. Exposition 3
 - Sp.C. 111 - Fund. of Oral Communication 3
 - b. Recommended Courses:
 - Engl. 213 - Advanced Exposition 3
 - Mus. 309 - Elementary School Music Methods 3
 - Phil. 201 - Introduction to philosophy 3
 - Sp.C. 241 - Public Speaking I (3) or Sp.C. 211 Voice and Diction (2) . . 3 or 2
2. Social Sciences (Anthropology, Economics, Geography, History, H.E. 236, Political Science, Psychology, Sociology) 24
 - a. Required Courses:
 - Hist. 101-102 - Western Civilization 6
 - or
 - Hist. 131-132 - History of the U.S. 6
 - P.S. 101-102 - Intro. to American Government and Political Science 6
 - Psy. 101 - Introduction to Psychology 3
 - Psy. 245 - Child Development 3
 - b. Recommended Courses:
 - Econ. 121-122 - Principles of Economics 6
 - Anth. 101 - The study of Man 3
 - Anth. 342 - Anthropology of the Natives of Alaska 3
 - Geog. 101 - Introductory Geography 3
 - Hist. 341 - History of Alaska 3
 - Soc. 101-102 - Introduction to Sociology 6
3. Mathematics 6
 - a. Required Course:
 - Math 345 - Modern Math Concepts for the Elementary Teacher 3
 - b. Recommended Courses:
 - Math 105 - Intermediate Algebra 3
 - Math 121 - Introduction to Modern Algebra & Analysis 3
4. Natural Sciences (Anthropology 401; Biology 105, 239; Chemistry 105,106; Geography 105/201, 401; Geology 101, 102, 104, 106/111; Physics 103, 104 6
5. Education 36
(Students must maintain at least a 2.00 average in all education courses.)
 - a. Required Courses:
 - Ed. 201 - Orientation to Teaching 3

- Ed. 313 - Educational Psychology 3
 Ed. 332 - Tests and Measurements 3
 Ed. 402 - Elementary School Methods
 (Must be taken concurrently with Ed. 452) 3
 Ed. 409 - The Teaching of Reading 3
 Ed. 452 - Student Teaching 6
 Candidates who have taught successfully two full years in the public
 elementary schools may petition to be excused from Ed. 452.
- b. Nine credits from the following courses:
- Ed. 301 - Social Studies for Elementary Teachers 3
 Ed. 302 - Language Arts for Elementary Teachers 3
 Ed. 304 - Literature for Children 3
 Ed. 306 - Teaching of Science in Elementary Schools 3
 Ed. 307 - Teaching of Arithmetic 3
 Ed. 309 - Elementary School Music Methods 3
 Ed. 311 - Audio-Visual Methods and Materials 3
- c. Six credits from the following courses:
- Ed. 345 - Sociology of Education 3
 Ed. 348 - History of Education 3
 Ed. 422 - Philosophy of Education 3
 Ed. 426 - Principles and Practices of Guidance 3
 Ed. 446 - Public School Organization, Control and Support 3
 Ed. 480 - Education of the Culturally Different 3
6. A total of 36 credits (including 12 upper division credits) in any two of the following
 fields, with a minimum of 12 credits in either field.
- | | |
|---------------------|--------------------|
| Anthropology | Linguistics |
| Art | Mathematics |
| Biological Sciences | Music |
| Chemistry | Philosophy |
| Economics | Physical Education |
| English | Physics |
| French | Political Science |
| Geography | Psychology |
| Geology | Russian |
| German | Spanish |
| History | Speech |
| | Sociology |

Credits earned in fulfillment of (1), (2), (3), and (4) above may be applied toward
 courses listed in (6) above.

7. Forty-eight credits of upper division courses, 24 of which must be completed at the
 University of Alaska.
8. Sufficient free electives to total 130 credits.

REQUIREMENTS FOR B.ED. DEGREE WITH A SECONDARY EDUCATION MAJOR

1. Humanities (Art, English, Languages, Linguistics, Music, Philosophy, Speech) 20
- a. Required Courses:
- Engl. 111 - Meth. of Written Communication (3) and 3
 Engl. 211 - Adv. Composition with Modes of Literature (3) or 3
 Engl. 213 - Adv. Exposition (3) 3
 Sp. C. 111 - Fund. of Oral Communication 3

- b. Recommended Courses :
- | | |
|--|---|
| Phil. 201 - Intro. to Philosophy | 3 |
| Sp.C. 241 - Public Speaking 1 or | 3 |
| Sp.C. 211 - Voice and Diction | 2 |
2. Social Sciences (Anthropology, Economics, Geography, History, H.E. 236, Political Science, Psychology, Sociology) 24
- a. Required Courses:
- | | |
|--|---|
| Hist. 101-102 - Western Civilization | 6 |
| or | |
| Hist. 131-132 - History of the U.S. | 6 |
| P.S. 101-102 - Introduction to American Government and Political Science | 6 |
| Psy. 101 - Introduction to Psychology | 3 |
| Psy. 246 - Adolescence | 3 |
- b. Recommended Courses:
- | | |
|---|---|
| Anth. 101 - The Study of Man | 3 |
| Anth. 342 - Anthropology of the Natives of Alaska | 3 |
| Ecdn. 121-122 - Principles of Economics | 6 |
| Hist. 341 - History of Alaska | 3 |
| Soc 101-102 - Introduction to Sociology | 6 |
3. Mathematics and Natural Sciences (Anth. 401, Biological Sciences, Chemistry, Geography 105-401, Geology, Physics) 8
4. Education (students must maintain at least a 2.00 average in all education courses) . 24
- a. Required Courses:
- | | |
|---|---|
| Ed. 313 - Educational Psychology | 3 |
| Ed. 332 - Tests and Measurements | 3 |
| Ed. 402 - Secondary School Methods (Must be taken concurrently with | |
| Ed. 452 - Student Teaching | 3 |
| Candidates who have taught successfully two full years in the public secondary schools may petition to be excused from Ed. 452. | |
- b. Six credits from the following courses:
- | | |
|---|---|
| Ed. 345 - Sociology of Education | 3 |
| Ed. 348 - History of Education | 3 |
| Ed. 421 - Secondary Education | 3 |
| Ed. 422 - Philosophy of Education | 3 |
| Ed. 446 - Public School Organization, Control and Support | 3 |
| Ed. 480 - Education of the Culturally Different | 3 |
- c. Three credits of education electives selected from the following:
- | | |
|--|---|
| Ed. 311 - Audio-Visual Methods and Materials | 3 |
| Ed. 426 - Principals and Practices of Guidance | 3 |
5. Teaching majors and minors (students must maintain at least a 2.00 average in their teaching majors.)
- Option A.
Complete a teaching major of at least 26 approved credits and a teaching minor of at least 16 approved credits for a total of 51 credits of which at least 18 must be upper division. See advisor.
- Option B.
Complete an integrated teaching major-minor of 51 approved credits. See advisor.

MAJOR OR MINOR (Option A)

Art	Mathematics
Biological Sciences	Music
Business Education	Physical Education
Chemistry	Physics
English	Psychology
**Foreign Language	Sociology
History	Speech
Home Economics	

MINOR ONLY (Option A)

- ***Economics
- *Geography
- Journalism
- *Political Science
- *Sociology

*Approved for history major only.

**Confer with head of the Division of Education.

***Approved for history and business education teaching majors only. Credit earned in fulfillment of (2), (3), and (4) above may be applied toward the teaching major and teaching minor. The student is responsible for obtaining and keeping current his copy of the courses required for his teaching major and minor. Any deviations from the specified courses must be approved by written petition to the head of the Education Division.

INTEGRATED MAJOR-MINOR (Option B)

- General Science
- Social Science
- Earth Sciences

6. Forty-eight credits of upper division courses, 24 of which must be completed at the University of Alaska.
7. Sufficient free electives to total 130 credits.

SECONDARY TEACHING CERTIFICATES FOR MAJORS IN OTHER DIVISIONS

All majors in other divisions who wish to obtain an Alaska secondary teaching certificate should confer with the head of the Education Division in their freshman year to obtain course requirements and application procedures for admission to the Teacher Education Program. It is essential that the student have the necessary prerequisites and admission to the Teacher Education Program for placement in student teaching in the public schools. The following courses should be taken at the indicated times:

FALL SEMESTER

Sophomore	Psy. 101
Junior	*Ed. 313
Senior	*Ed. 421
	*Ed. 402

SPRING SEMESTER

*Psy. 246
*Ed. 332
*Ed. 452

*Students must maintain a 2.00 average in these courses.

REQUIREMENTS FOR ADMISSION TO STUDENT TEACHING

1. Elementary School - kindergarten through eighth grade:
 - a. Acceptance to the Teacher Education Program.
 - b. Formal application on file with the Committee on Admissions to Student Teaching by November 1 for student teaching in the following spring semester and by March 15 for student teaching in the following fall semester.
 - c. A completed physical examination.
 - d. Completion of 100 credits leading to a bachelor's degree with a minimum G.P.A. of 2.00.
 - e. Completion of Psy. 101, Psy. 245, six hours in mathematics, Ed. 201, Ed. 313, Ed. 332, Ed. 409, and two other elementary methods and materials courses.
 - f. A minimum G.P.A. of 2.00 in all required psychology and all education courses attempted, including an average G.P.A. of 2.00 in all elementary methods and materials courses attempted.
 - g. Approval of Committee on Admission to Student Teaching to enter student teaching.
 - h. Maximum of 12 hours credit permitted during student teaching.

2. Secondary Schools - seventh grade through twelfth grade:
 - a. Acceptance to Teacher Education Program.
 - b. A formal application on file with the Committee on Admissions to student teaching by November 1 for student teaching in the following spring semester and by March 15 for student teaching in the following fall semester.
 - c. A completed physical examination.
 - d. Completion of 100 credits leading to a bachelor's degree with a minimum G.P.A. of 2.00.
 - e. Completion of a minimum of 24 approved credits in an approved teaching major with a G.P.A. of 2.00 or more.
 - f. Completion of Psy. 101, Psy. 246, Ed. 313, and Ed. 332 with a minimum G.P.A. of 2.00 in Psy. 246, Ed. 313, and Ed. 332.
 - g. A minimum G.P.A. of 2.00 in all education courses attempted.
 - h. Approval of Committee on Admission to Student Teaching to enter student teaching.

REQUIREMENTS FOR M. ED. DEGREE IN EDUCATION

A person must make application for admission to graduate study and submit acceptable scores on the Graduate Record Examination to be considered for admission to the M. Ed. program.

The M. Ed. program offers six options from which a person selects an area of specialization. The head of the Education Division should be contacted concerning the procedure to be followed in applying for admission to graduate study and taking the Graduate Record Examination.

Admission Requirements

1. All candidates should meet the University of Alaska Bachelor of Education degree requirements (or Equivalent) for either elementary or secondary education majors with a minimum of 24 semester hours of education courses with an average G.P.A. of 3.00.
2. Submission to the Director of Admissions:
 - a. A completed university application for admission to graduate study.
 - b. Official transcripts of all previous college or university work.
 - c. Three letters of reference, at least one from the most recent employer, testifying as to teaching or administrative ability.

3. Admission also will be contingent upon satisfactory scores on the Graduate Record Examination.

NOTE: Students must understand that any graduate courses completed prior to being admitted as an approved graduate student will not necessarily be applicable toward a specific graduate degree program.

MASTER OF EDUCATION WITH AN EMPHASIS IN ELEMENTARY EDUCATION

- A. At least one year successful contract teaching experience.
 B. Eligibility for Alaska Teachers Certificate.
 C. Minimum of 24 hours undergraduate professional Education courses.
 D. Comprehensive written and/or oral examination follows course work.
 E. Graduate Record Examination
 F. Required Courses
- | | |
|---|---|
| 1. Ed. 301 - Soc. Studies for Elementary Teachers | 3 |
| 2. Ed. 302 - Language Arts for Elementary Teachers | 3 |
| 3. Ed. 306 - Teaching of Science in Elementary Schools | 3 |
| 4. Ed. 307 - Teaching of Arithmetic or Math 345 Modern Math | 3 |
| 5. Ed. 313 - Educational Psychology | 3 |
| 6. Ed. 332 - Test & Measurements | 3 |
| 7. Ed. 409 - Teaching of Reading | 3 |
| 8. Ed. 422 - Philosophy of Education | 3 |
| 9. Ed. 446 - Public School Organization or Ed. 641 School Law | 3 |
| 10. Ed. 604 - Diagnosis and Correction of Reading Deficiencies | 3 |
| 11. Ed. 605 - Lab in Diagnosis & Correction of Reading Deficiencies | 2 |
| 12. Ed. 608 - Improvement of Elementary Teaching | 3 |
| 13. Ed. 620 - Curriculum Development | 3 |
| 14. Ed. 627 - Education Research | 3 |
| 15. Ed. 631 - Advanced Ed. Psychology (If no Child Develop.) | 3 |
| Recommended: Ed. 426 | |
| 16. Electives (if needed) | |

MASTER OF EDUCATION WITH AN EMPHASIS IN GUIDANCE

- A. At least one year successful contract teaching experience.
 B. Eligibility for Alaska Teachers Certificate.
 C. Minimum of 24 hours undergraduate professional Education courses.
 D. Comprehensive written and/or oral examination follows course work.
 E. Graduate Record Examination.
 F. Required Courses
- | | |
|--|---|
| 1. Ed. 313 - Educational Psychology | 3 |
| 2. Ed. 332 - Tests & Measurements | 3 |
| 3. Ed. 422 - Philosophy of Education | 3 |
| 4. Psy. 338 - Abnormal Psy. or
Psy. 406 - Theories of Personality | 3 |
| 5. Ed. 426 - Prin. & Pract. of Guidance | 3 |
| 6. Ed. 623 - Principles of Individual Counseling | 3 |
| 7. Ed. 624 - Group Counseling | 3 |
| 8. Ed. 627 - Ed. Research | 3 |
| 9. Ed. 628 - Analysis of the Indiv. | 3 |
| 10. Ed. 630 - Lab in Indiv. Test of Intelligence | 3 |
| 11. Ed. 631 - Adv. Ed. Psy. | 3 |
| 12. Ed. 632 - Occupational Information | 3 |
| 13. Ed. 634 - Counseling Practicum | 3 |

MASTER OF EDUCATION WITH AN EMPHASIS IN READING

- A. Minimum of 24 hours undergraduate professional education courses.
 B. Eligibility for Alaska Teachers Certificate.
 C. Graduate Record Examination.
 D. At least one year successful contract teaching experience.
 E. Comprehensive written and/or oral examination follows course work.
 F. Required Courses
- | | |
|--|---|
| 1. Ed. 409 - The teaching of Reading | 3 |
| 2. Ed. 604 - Diagnosis & Correction of Reading Deficiencies | 3 |
| 3. Ed. 605 - Lab in Diagnosis and Correction of Reading Deficiencies | 2 |
| 4. Ed. 606 - Reading Clinic | 3 |
| 5. Ed. 607 - Reading in Sec. Schools | 3 |
- G. 9-15 hours from methods course areas
 (3 hrs. must be at 600 level)
- | | |
|--|---|
| 1. Ed. 302 - Lang. Arts for El. Teach. | 3 |
| 2. Ed. 304 - Literature for Children | 3 |
| 3. Ed. 311 - Audio-Visual Meth. & Mat. | 3 |
| 4. Psy. 464 - Learning | 3 |
| 5. Psy. 466 - Perception | 3 |
| 6. Ed. 608 - The Improv. of El. Teach. | 3 |
| 7. Psy. 621 - Learn., Motiva., Emotion | 3 |
| 8. Electives (if needed) | |
- H. 9-15 hours from the support areas
 (3 hours must be at the 600 level)
- | | |
|---|---|
| 1. Psy. 373 - Psychological Testing | 3 |
| 2. Ed. 426 - Prin. & Prac. of Guidance | 3 |
| 3. Eng. 472 - History of English Language | 3 |
| 4. Ed. 480 - Ed. of Cul. Diff. Youth | 3 |
| 5. Ed. 494 - Learning Disabilities | 3 |
| 6. Psy. 494 - Communication | 3 |
| 7. Psy. 494 - Behavioral Modification | 3 |
| 8. Ed. 620 - Curriculum Development | 3 |
| 9. Ed. 628 - Analysis of the Indiv. | 3 |
| 10. Ed. 631 - Adv. Ed. Psy/ or 351/or 352 | 3 |
| Electives (if needed) | |

MASTER OF EDUCATION WITH AN EMPHASIS IN SECONDARY EDUCATION

- A. At least one year successful contract teaching experience.
 B. Eligibility for Alaska Teachers Certificate.
 C. Minimum of 24 hours undergraduate professional Education courses.
 D. Comprehensive written and/or oral examination follows course work.
 E. Graduate Records Examination.
 F. Required Courses
- | | |
|---|---|
| 1. Ed. 313 - Educational Psychology | 3 |
| 2. Ed. 332 - Tests & Measurements | 3 |
| 3. Ed. 421 - Secondary Education | 3 |
| 4. Ed. 422 - Philosophy of Education | 3 |
| 5. Ed. 446 - Public School Organization or Ed. 641 School Law | 3 |
| 6. Ed. 620 - Curriculum Development | 3 |
| 7. Ed. 627 - Education Research | 3 |
| 8. Ed. 631 - Adv. Ed. Psy. (If no Adolesc. Psy.) | 3 |
| 9. Ed. 426 - Princ. & Pract. of Guidance | 3 |
| Electives (if needed) | |

MASTER OF EDUCATION WITH AN EMPHASIS IN SCHOOL ADMINISTRATION

- A. At least one year successful contract teaching experience.
- B. Eligibility for Alaska Teachers Certificate.
- C. Minimum of 24 hours undergraduate professional Education courses.
- D. Comprehensive written and/or oral examination follows course work.
- E. Graduate Record Examination.
- F. Required Courses
 - 1. Ed. 313 - Educational Psychology 3
 - 2. Ed. 332 - Tests & Measurements 3
 - 3. Ed. 422 - Philosophy of Ed. 3
 - 4. Ed. 426 - Prin. & Pract. of Guidance 3
 - 5. Ed. 446 - Public School Org. & supp. 3
 - 6. Ed. 620 - Curriculum Development 3
 - 7. Ed. 627 - Educational Research 3
 - 8. Ed. 637 - Public School Admin. 3
 - 9. Ed. 638 - Superv. & Improv. of Instr. 3
 - 10. Ed. 639 - Public School Finance 3
 - 11. Ed. 641 - School Law 3
 - 12. Ed. 631 - Adv. Ed. Psy.
(If no Child Dev. or Adoles. Psy.) 3
 - 13. Electives (if needed)

MASTER'S DEGREE IN EDUCATION WITH AN EMPHASIS IN SPECIAL EDUCATION

- A. One year's successful teaching experience under contract.
- B. Eligibility for Alaska Teacher's Certificate.
- C. Minimum of 24 hours of undergraduate education courses.
- D. Graduate Record Examination
- E. Acceptance by the Special Education Admissions Committee.
- F. Successful completion of a minimum of 36 hours of approved course work within seven calendar years.
- G. Successful completion of the comprehensive written or oral examination to be taken during the final term.
- H. An acceptable thesis or investigative paper.

Required Courses:

Ed. 384 - Psychology of Exceptional Children	3
Ed. 485 - Theories of Learning Disabilities	3
Ed. 487 - Practicum in Special Education	3-6
Ed. 604 - Diagnosis & Correction of Reading Deficiencies	3
Ed. 686 - Research Design in Special Education	3
Ed. 697-698 - Thesis	Arr.

Strongly Recommended Courses:

Ed. 426 - Principles and Practices of Guidance	3
Ed. 481 - The Mentally Retarded Child in the School	3
Ed. 482 - The Maladjusted Child	3
Ed. 483 - The Physically Handicapped Child	3
Ed. 484 - Communication Disorders	3
Ed. 486 - Curriculum Materials for Special Education	3
Ed. 605 - Lab. in Diagnosis & Correction of Reading Def.	2
Ed. 681 - Social-Cultural Determinants of Mental Retardation	3

Ed. 682 - Learning Disabilities Workshop: Diagnosis	3
Ed. 683 - Learning Disabilities Workshop: Remediation	3
Ed. 684 - The Gifted Child	3
Ed. 687 - Advanced Practicum: Special Education	3-6
Psy. 373 - Psychological Testing	3
Psy. 621 - Learning, Motivation, and Emotion	3

Electives:

Ed. 480 - Education of Culturally Different Youth	3
Psy. 338 - Abnormal Psychology	3
Psy. 406 - Theories of Personality	3
Psy. 464 - Learning	3
Psy. 691 - Sem: Case Studies in Abnormal Behavior	2
Psy. 691 - Sem: Behavior Modification I	2
Psy. 691 - Sem: Behavior Modification II	2
Soc. 343 - Sociology of Deviant Behavior	3

REQUIREMENTS FOR MASTER OF ARTS IN TEACHING

The Master of Arts in Teaching is designed to serve the following groups of Students:

1. Baccalaureate graduates with a good general education and with majors or equivalent majors in subjects commonly taught in high school who wish to prepare for a career in secondary school classroom teaching.
2. Baccalaureate graduates with a good general education and with majors or equivalent majors in a basic academic discipline who wish to prepare for a career in elementary school classroom teaching.
3. Baccalaureate graduates who have or who can academically qualify for the Alaska secondary school certificate, who intend to make secondary school classroom teaching their career, and who wish to take additional work in their teaching major and/or minor as well as in education.

Interested persons in the first two categories should contact the head of the Education Division for additional information; interested persons in the third category should contact the head of the division of their teaching major.

REQUIREMENTS FOR EDUCATIONAL SPECIALIST DEGREE IN SCHOOL ADMINISTRATION

The Ed.S. degree is designed for teachers and other educators (1) who wish to undertake graduate study beyond the master's degree; (2) who wish to qualify for an intermediate degree between the master's and the doctorate; (3) who wish to develop further competence in one field of specialization, and (4) who wish to develop a background of knowledge in fields other than education.

ADMISSION REQUIREMENTS:

1. Applicants must be experienced educators who have successfully completed at least one year of elementary and/or secondary teaching.
2. All candidates should meet the University of Alaska Bachelor of Education degree requirements (or Equivalent) for either elementary or secondary education majors with a minimum of 24 semester hours of education courses with an average G.P.A. of 3.00.
3. A master's degree preferred but not necessary.

4. Submission to the Director of Admissions:
 - a. A completed university application for admission to graduate study.
 - b. Official transcripts of all previous college or university work.
 - c. Three letters of reference, at least one from the most recent employer, testifying as to teaching or administrative ability.
5. Admission also will be contingent upon: (1) satisfactory scores on the aptitude section of the Graduate Record Examination and/or the Miller Analogies Test; and (2) a satisfactory personal interview conducted by Department of Education faculty members.

MINIMUM DEGREE REQUIREMENTS:

1. Completion of 60 semester hours beyond the bachelor's degree, including a minimum of 18 semester hours at the graduate level. At least 24 semester hours of work must be completed at the University of Alaska. The University may accept a maximum of 36 semester hours of transfer credit. Acceptance of transfer credits is contingent upon approval by the student's advisory committee and by the Dean.
2. Fulfillment of the requirements of the Ed.S. degree must be completed within seven years after admission to the program.
3. Satisfactory performance on a written and/or oral examination conducted by the Division of Education faculty and representatives from the student's academic discipline is required.

DIVISION OF MATH, SCIENCE AND ENGINEERING

Degrees - Master of Science in Engineering Management,
Master of Science in Science Management

Minimum Requirements for Degree: 30 Credits beyond a bachelor's degree

ENGINEERING MANAGEMENT

The engineering management curriculum is designed for graduate engineers who will hold executive or managerial positions in engineering, construction, industrial or governmental organizations. It includes human relations, financial, economic, quantitative, technical and legal subjects useful in solving problems of management.

The curriculum includes graduate level core courses in the subjects named above, plus additional course work either directed toward special problems such as arctic engineering, or in one of the more general fields of engineering through projects or research in the application of engineering management principles. In addition to an engineering degree, a candidate should have had on-the-job experience in the practice of engineering.

ESM 605 - Advanced Engineering Economy	3	ESM 612 - Engineering Management	3
ESM 611 - Engineering Management	3	ESM 613 - Engineering Management	3
BA 331 - Business Law	3	*ESM 621 - Operations Research	3
*ESM 623 - Computer Programming for Engineering Managers	3	ESM 684 - Project	3
**Elective	3	**Elective	3

*Students must complete either ESM 621 - Operations Research or ESM 623 - Computer Programming.

**Electives must have the approval of the department.

SCIENCE MANAGEMENT

The science management curriculum is designed for holders of bachelor degrees in scientific fields other than engineering who will hold executive or managerial positions in private or governmental organizations. It includes human relations, financial, economic, quantitative, technical and legal subjects useful in solving problems of management.

The curriculum includes graduate-level core courses in the subjects named above, plus additional course work directed toward special technical problems or the application of management principles to the management of scientific field, a candidate should have had on-the-job experience in some field of science.

ESM 605 - Advanced Engineering Economy	3	ESM 612 - Engineering Management Finance	3
ESM 611 - Engineering Management-Accounting	3	ESM 613 - Engineering Management Personnel	3
ESM 693 - Engineering Law or		*ESM 621 - Operations Research	3
BA 331 - Business Law	3	ESM 684 - Project	3
*ESM 623 - Computer Programming for Engineering Managers	3	**Elective	3
**Elective	3		

*Students must complete either ESM 621 - Operations Research or ESM 623 - Computer Programming.

**Electives must have the approval of the department.

Substitutions for one or more of the courses listed above are permitted if similar courses are included in the students' previous academic background.

COURSE DESCRIPTIONS

Courses offered by the University are listed alphabetically.

Course Numbers - The first numeral of a course numbered in the hundreds indicates the year in which the course is normally offered in its own department. For example, Engl. 101 is given for first-year students and Engl. 342 is given for third-year students.

Courses numbered 100 and 200 level in the various degree programs are freshman and sophomore courses which are handled by Anchorage Community College, the lower division of the University of Alaska, Anchorage. Refer to the ACC catalog for those course descriptions. Some lower division courses required in degree programs are included in the following course descriptions.

300-499 - Upper division courses.

600-699 - Graduate courses to which a few well qualified undergraduates may be admitted with the permission of the head of the division in which the course is offered. 491 - 492 and 681-692 indicate seminars, 493-494 and 693-694 indicate special topics, and 695-698 indicate thesis or dissertation in those divisions where listed.

Course credits - One credit (or one hour) represents satisfactory completion of one hour of work a week for one semester. This requirement may be met by attendance at one lecture, or by three fifty-minute periods of laboratory work a week, or the equivalent.

Following the title of each course, the figures in parentheses indicate the number of lecture and laboratory hours the class meets. The first figure indicates lecture hours; the second, laboratory. For example (2+3) indicates that a class has two hours of lecture and three of laboratory work.

The number of credits listed is for each semester. Thus "Three Credits" means three credits may be earned.

Courses may be offered in any semester during the trimester calendar or as demand warrants. Courses added to the curriculum subsequent to the publishing of this catalog will be listed in the schedule of classes for each semester these courses are offered.

ACCOUNTING

Acc. 101 3 Credits

Elementary Accounting (3+0)

An introduction course in accounting concepts and procedures for service businesses and for merchandising businesses owned by a single proprietor. (Prerequisite: completion of all required remedial courses.)

Acc. 102 3 Credits

Elementary Accounting (3+0)

A continuation of introductory accounting concepts and procedures emphasizing the problems of businesses organized as partnerships or corporations and performing manufacturing operations. (Prerequisite: Acc. 101.)

Acc. 210 3 Credits

Income Tax (3+0)

A study of federal and state income taxes relating primarily to the individual citizen of Alaska with emphasis on the preparation of tax returns, tax planning, and the analysis of selected tax problems. (Prerequisite: Acc. 101 or 201.)

Acc. 252 3 Credits

Introduction to Cost Accounting (3+0)

An introductory course in cost accounting for manufacturing operations with thorough treatment of job order, cost accounting and process cost accounting. (Prerequisite: Acc. 101 or 201.)

Acc. 311 3 Credits

Acc. 312 3 Credits

Intermediate Accounting (3+0)

A treatment in depth of the balance sheet accounts and procedures for their analysis and correction. Study of working capital and fixed assets will receive special emphasis during Fall semester. Special attention will be given to long-term liabilities and stockholders' equity during Spring semester. (Prerequisites: Acc. 102, if scheduling permits, students should take Acc. 210 and 252 before Acc. 311 and 312.)

Acc. 315 3 Credits

Analysis of Financial Statements (3+0)

Interpretation of financial statements and planning, investment and evaluation purposes. Course not available for credit toward a B.B.A. degree with a major in accounting. (Prerequisite: Acc. 102.)

Acc. 351 3 Credits

Advanced Cost Accounting (3+0)

A study of analytical processes and cost control procedures for decision making and policy implementation in manufacturing businesses. (Prerequisite: Acc. 252.)

Acc. 401 3 Credits

Acc. 402 3 Credits

Advanced Accounting (3+0)

Fall Semester: A thorough study of the accounting for partnerships, installment sales and parent-subsidiary relationships. Spring Semester: A thorough study of the accounting treatment of applied actuarial science. (Prerequisites: Acc. 102. If scheduling permits, the student should take Acc. 210, 252, 312 before 401 and 402.)

Acc. 403 3 Credits

Advanced Income Taxes (3+0)

A study of federal and state income taxes relating primarily to partnerships, trusts and corporations with emphasis on the preparation of tax returns, tax planning and selected tax problems. Also, social security taxes, sales taxes, gift, and estate taxes. (Prerequisite: Acc. 210.)

Acc. 452 3 Credits

Auditing (3+0)

A study of the procedures for verification of financial data and the professional standards applicable to the auditors examination of financial statements and his expression of opinion relative to them. (Prerequisites: Acc. 301 and 302.)

Acc. 454 3 Credits

Accounting Internship (3+0)

Work experience in an approved position with supervision and training in various phases of accounting. (Prerequisites: advanced standing as an accounting major and permission of the head of the department.)

Acc. 462 0 Credit

C.P.A. Review

Preparation for the Uniform Certified Public Accountant Examination. (Prerequisites: advanced standing in accounting and permission of the head of the department.)

Acc. 493 Credits Arr.

Acc. 494 Credits Arr.

Special Studies in Accounting

Acc. 608 3 Credits**Accounting Theory (3+0)**

An examination and discussion of theoretical issues and developments in accounting with emphasis on contemporary problems of financial reporting. (Prerequisites: Acc. 401, 402, 351.)

Acc. 615 3 Credits**Tax Planning & Research (3+0)**

Tax planning for individuals, business organizations, estates, and trusts is explored by a study of the taxes which affect such plans. Special emphasis will be placed on planning for business organizations. (Prerequisites: Acc. 210, 403.)

Acc. 621 3 Credits**Advanced Cost Accounting (3+0)**

Case studies as they relate to special areas of profit planning for both a manufacturing and non-manufacturing company. Budget preparation and cost-volume-profit analysis in evaluating feasible profit plans. The use of PERT and other quantitative methods. (Prerequisite: Acc. 351.)

Acc. 634 3 Credits**Application of Accounting Theory (3+0)**

A study of specialized problems of industry and governmental accounting. Special attention will be given to questions which will prepare the student for the uniform Certified Public Accounts examination. (Prerequisites: Acc. 401, 402, 351.)

Acc. 642 3 Credits**Advanced Auditing (3+0)**

The application of auditing principles and procedures to actual situations. Analysis of auditing bulletins promulgated by the American Institute of Certified Public Accountants. (Prerequisite: Acc. 452.)

Acc. 650 3 Credits**Management Accounting Seminar (3+0)**

A graduate course for non-accounting majors which deals with the developments and uses of accounting. Readings are assigned on an individual basis in the various areas covered in the course. These areas are; 1) the development of accounting principles, 2) the part played by various accounting associations and government bureaus, 3) the uses of cost accounting data for analysis and control, and 4) auditing.

Acc. 673 3 Credits**Controllership (3+0)**

A study of the controllership function and control through the accounting system. Internal auditing, budgeting, capital budgeting, rate of return, variances and allocation of responsibility in the controllership function. (Prerequisites: Acc. 401, 402, 351.)

ANTHROPOLOGY**Anth. 303 3 Credits****Culture History (3+0)**

The inventions of man and the spread of civilization in the Old and New World. (Prerequisites: Anth. 101 or 203 or 204, or permission of the instructor.)

Anth. 326 3 Credits**Arctic Ethnology (3+0)**

Ethnic groups and cultures of the circumpolar area. (Prerequisites: Anth. 101 or 203 or 203.)

Anth. 335 3 Credits**North American Ethnology (3+0)**

Tribal life of American Indians north of Mexico. (Prerequisites: Anth. 101 or 203 or 204.)

Anth. 336 3 Credits**Ethnology of Central and South America (3+0)**

Racial distribution, material, and social cultures of peoples of Central and South America. (Prerequisite: Anth. 101.)

Anth. 423 3 Credits**Social Structure (3+0)**

The social systems of native peoples. (Prerequisites: Anth. 101 or 203 or 204 and junior standing.)

Anth. 424 3 Credits**Primitive Religion (3+0)**

Descriptive and comparative study of religious belief in native societies.

Anth. 493 Credits Arr.**Anth. 494 Credits Arr.****Special Topics**

Various subjects studied in special fields on anthropology. (Prerequisite: senior standing or permission of the instructor.)

ART

Art 301 3 Credits

Art 302 3 Credits

Advanced Ceramics (2+4)

Advanced wheel work; design of large scale ceramic murals for incorporation into architecture. Study of the practical application of ceramics in the commercial field. Advanced body and glaze calculation. (Prerequisite: Art 201-202 or permission.)

Art 305 2 Credits

Art 306 2 Credits

Advanced Drawing and Anatomy
(0+4)

Creative approach, including a comprehensive study of functional human anatomy, with the human figure as an art motif. (Prerequisite: Art 206 or permission of the instructor.)

Art 313 2 Credits

Art 314 2 Credits

Intermediate Oil Painting (0+4)

Creating pictorial problems in oil painting techniques, still life, composition, and figure painting. (Prerequisite: Art 214 or permission of the instructor.)

Art 413 2 Credits

Art 414 2 Credits

Advanced Oil Painting (0+4)

Exploration and development of the creative approach to various techniques involved in figure, landscape, abstract and non-objective painting, and pictorial design. (Prerequisite: Art 314 or permission of the instructor.)

Art 419 3 Credits

History of Northern
Renaissance Art (3+0)

Pre-Renaissance painting, sculpture, architecture, and minor arts of the Netherlands through the Netherlandish Renaissance; Renaissance painting in France and Germany; the humanist and reformative influences on artistic developments.

Art 493 Credits Arr.

Art 494 Credits Arr.

Special Topics

Various subjects in art. (Admission by arrangement.)

BUSINESS ADMINISTRATION

B.A. 325 3 Credits

Financial Management (3+0)

Intensive analysis of the methods of financial planning and control, asset management, and other functions performed by the financial executive.

B.A. 331 3 Credits

B.A. 332 3 Credits

Business Law (3+0)

Survey of the legal aspects of business problems; basic principles, institutions, and administration of law. Fall semester: contracts, agency, employment, negotiable instruments, and personal property sales. Spring semester: insurance, suretyship, partnerships, corporations, real property, trusts, wills, bankruptcy, torts and business crimes. (Prerequisite: junior standing.)

B.A. 343 3 Credits

Principles of Marketing (3+0)

Role of marketing in society and economy. The business firm as a marketing system, management of the firm's marketing effort. (Prerequisite: Acc. 101, 102.)

B.A. 359 3 Credits

Regulation of Industry (3+0)

Effects of government regulation, economic policy and executive policy on private and public enterprise.

B.A. 360 3 Credits

Production Management (3+0)

Basic manufacturing management. Survey of models and representative problems including scheduling machine set-up, plant layout, capital budgeting and production control. (Prerequisite: junior standing.)

B.A. 361 3 Credits

Industrial Relations (3+0)

Personnel practice in industry; analysis of labor-management problems; methods of administrations of recruiting, selecting, training and compensating employees; labor laws and their applications. (Prerequisite: B.A. 360.)

B.A. 371 4 Credits

Business Data Processing

An introductory analysis of computer based management information systems. Required for all business administration majors.

B.A. 372 3 Credits**Business Simulation**

Realistic exercises in management using computer simulated models. Required for all business administration majors. (Prerequisite: B.A. 371, or equivalent programming background and junior standing.)

B.A. 423 3 Credits**Investment Management (3+0)**

Management securities, portfolios of individuals and institutions; basic security analysis; investment policies of banks, insurance companies, investment companies, and fiduciaries.

B.A. 424 3 Credits**Managerial Economics (3+0)**

Interpretation of economic data and applications of economic theory in business firms. Bridging the gap between theory and practice through empirical studies, cases, and decision problems. Particular emphasis upon decision-making based heavily upon analysis of data developed from research. (Prerequisite: Econ. 324.)

B.A. 425 3 Credits**Advanced Corporate Financial Problems (3+0)**

A consideration of corporate financial problems, planning and controls, and major functions performed by corporate financial managers. (Prerequisite: B.A. 325.)

B.A. 442 3 Credits**Marketing Institutions and Channels (3+0)**

Analysis of industry and firm operations as marketing institutions; evolution of distribution channels; and contemporary marketing problems. (Prerequisite: B.A.343.)

B.A. 443 3 Credits**Marketing and Analysis of Retailing Management (3+0)**

Factors influencing behavior of consumer and business units; behavior change. The management of retailing functions in marketing; application of management principles in marketing system analysis and control (Prerequisite: B.A.343.)

B.A.444 3 Credits**Industrial Marketing (3+0)**

Analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, warehousing and wholesaling problems. (Prerequisite: B.A. 343.)

B.A. 462 3 Credits**Administrative Policy (3+0)**

Organization role in a dynamic society; decision problems in varying social, economic, and political environments.

B.A. 480 3 Credits**Organization Theory (3+0)**

Literature of organizational theory; emphasis on theoretical concepts, social science research techniques and organizational behavior. (Prerequisites: junior standing, completion of behavioral science requirements, or permission of the instructor.)

B.A. 490 3 Credits**Social Responsibilities of Business (3+0)**

A study of the rights and duties of businessmen in specific fields in the light of those principles which have graced the perennial moral tradition of our Western world. Dilemmas caused by the apparent conflict of such values as family well-being, personal integrity and career advancement. Business involvement in urban problems.

B.A. 493 Credits Arr.**B.A. 494 Credits Arr.
Special Topics****B.A. 609 3 Credits****Executive Decision Making (3+0)**

Organizations and decisions, the theory of decisions, the nature of models, production decision problems, marketing decision problems, finance decision problems. A non-rigorous treatment of quantitative systems emphasizing computer usage. Not open to quantitative systems candidates. (Prerequisite: Permission of instructor or student's advisory committee.)

B.A. 614 3 Credits**Systems Analysis (3+0)**

Definition of models and systems; introduction to probabilistic models and network flow problems; law of requisite variety system simplification; introduction to models of linear systems search procedures and techniques; symptom-cause tables; system treatment and improvement; basic systems analysis models.

B.A. 621 3 Credits**Seminar in Management Information Systems (3+0)**

Selected topics in management information with emphasis on role of manager. Establishing a uniform data base, design of management information systems, information retrieval using management oriented programming languages. Not open to quantitative systems candidates. (Prerequisite: permission of instructor.)

B.A. 622 3 Credits**Quantitative Systems Seminar (3+0)**

Use of quantitative techniques to solve actual industrial problems submitted by Alaskan firms. Definition, solution, documentation and presentation of problems. (Prerequisite: B.A. 607.)

B.A. 650 3 Credits**History and Development of Management & Organizations (3+0)**

A survey course designed to provide the student with an historical perspective of the changing nature and role of organizations and, more recently, management, in preindustrial, industrial and post-industrial civilizations.

B.A. 651 3 Credits**Organizational Behavior (3+0)**

A detailed study of organized behavior, including such concepts as leadership styles, authority, organizational change, among many others.

B.A. 653 3 Credits**Management of International Operations (3+0)**

A study of multi-national corporate management and the problems and challenges of world-wide management strategies in finance, personnel, production, marketing and other functional decision areas.

B.A. 655 3 Credits**Administrative Policy (3+0)**

A case study course designed to provide students with an opportunity to utilize their knowledge in various functional areas in practical problem solving situations.

B.A. 657 3 Credits**Management Decision Making - Spring Computer Gaming (3+0)**

Decision making exercises employing computerized models.

B.A. 654 3 Credits**Readings in Management and Organizational Behavior (3+0)**

Independent reading and discussion sessions between the student and his faculty chairman. Designed to fill out the student's background and suggest directions for his continued development after graduation. This course is the final-culminating effort between student and faculty. (Prerequisites: B.A. 651, 655.)

B.A. 681 3 Credits**Advanced Problems in Finance**

The case approach to financial problems is emphasized concurrently with outside readings in the field. Independent solutions to case problems are discussed and evaluated in a seminar environment to provide maximum value from the practical application of concepts and theory. (Prerequisite: Econ. 463.)

B.A. 682 3 Credits**Seminar in International Finance**

Financial aspects of international trade, foreign investments and sources of funds. Current trends in international business. (Prerequisite: Econ. 463.)

B.A. 685 3 Credits**Advanced Problems in Finance (3+0)**

An advanced course involving the analysis of cases in finance, readings and student research.

B.A. 689 3 Credits**Comparative Business Management (3+0)**

Survey of the differing approaches to management decision making in various parts of the world, especially Russia, Europe and the United States.

B.A. 690 3 Credits**Seminar in Finance (3+0)**

Survey of financial institutions and markets with emphasis upon theory and practice of central banking and actual operation of monetary policy. Current problems in finance. (Prerequisites: post-graduate or graduate standing. Approval of graduate student's advisory committee or the department head.)

B.A. 691 3 Credits**Seminar in Marketing (3+0)**

A survey of marketing institutions, systems, policies and practices. Review of marketing constituents in economic development, marketing theory and current problems. (Prerequisites: post-graduate or graduate standing. Approval of the graduate student's advisory committee or the department head.)

B.A. 692 3 Credits**Seminar in Production (3+0)**

A survey of conceptual framework and selected mathematical models applicable in production management. A review of classical problems in simplex method, waiting line theory, Monte Carlo analysis, queuing theory. Selected current problems and topics. (Prerequisites: post-graduate or graduate standing. Approval of graduate student's advisory committee or the department head.)

B.A. 693 Credits Arr.**B.A. 694 Credits Arr.**
Special Topics**B.A. 697 Credits Arr.****B.A. 698 Credits Arr.**
Thesis**CIVIL ENGINEERING****C.E. 603 3 Credits****C.E. 604 3 Credits****Arctic Engineering (3+0)**

Application of engineering fundamentals to problems of advancing civilization in polar regions. Logistics, foundations on frozen ground and ice, thermal aspects of structures and materials; transport and communications; heating and ventilating.

C.E. 617 3 Credits**Control Surveys (3+0)**

Geodetic surveying, where the shape of the earth must be considered. Both horizontal and vertical control will be studied. Adjustments of level nets, traverses, triangulation, and trilateration. Course will require some computer work. (Prerequisites: Math. 202, C.E. 415, and a good knowledge of FORTRAN.)

C.E. 620 3 Credits**Civil Engineering Construction (3+0)**

Construction equipment and methods, construction management and accounting, construction estimates and costs. (Prerequisites: E.S. 450 or equivalent.)

C.E. 649 3 Credits**City and Regional Planning (3+0)**

Elements of city and regional planning for engineers. Demography, land use, physical planning techniques.

ECONOMICS**Econ. 121 3 Credits****Principles of Economics I (3+0)**

Introduction to economics; analysis and theory of national income; money and banking; public finance and taxation; economic systems.

Econ. 122 3 Credits**Principles of Economics II (3+0)**

Theory of prices and markets; income distribution; contemporary problems of labor, agriculture, public utilities, international economic relations.

Econ. 221 3 Credits**Introduction to Statistics for Economics and Business**

Problems in economics and business translated into statistical terms. Organizing of data; identifying of populations and their parameters; sample selection and use of sample data; linear correlations; time series analysis, index numbers. (Prerequisite: Math. 106 or Econ. 122.)

Econ. 321 3 Credits**Intermediate Microeconomics (3+0)**

Analysis of demand and supply under various market forms; cost and theory of production; factor pricing and theory of distribution; survey of welfare economics. (Prerequisites: Econ. 121, 122, Math. 200 or permission of instructor.)

Econ. 324 3 Credits**Intermediate Macroeconomics (3+0)**

Concepts and measurement of income; analysis of aggregate demand and supply, and their relation to prices, employment and growth. (Prerequisites: Econ. 121, 122, Math 200 or permission of the instructor.)

Econ. 337 3 Credits**Economic Development (3+0)**

Theories of growth and development; problems of economic development illustrated with case studies; analysis of major policy issues. (Prerequisites: Econ. 321, 324 or 350; or permission of the instructor. Offered as demand warrants.)

Econ. 350 3 Credits**Monetary Economics (3+0)**

Sources and uses of money and credit in modern society; regulation of money and credit and their impact on the economic welfare of the United States. (Prerequisites: Econ. 121, 122.)

Econ. 351 3 Credits**Public Finance and Taxation (3+0)**

Government taxation, borrowing and spending; economic effects of taxation, influence of fiscal policy on economic activity. (Prerequisites: Econ. 121, 122. Offered in alternate years. Next offered, Fall 1971-72.)

Econ. 420 3 Credits**Labor Economics (3+0)**

Labor market analysis; employment and unemployment, wage rates, structure and composition of the labor force; economic aspects of unionism, labor legislation, social insurance. (Prerequisites: Econ. 121, 122.)

Econ. 423 3 Credits**Comparative Economic Systems (3+0)**

Contrasts structure, institutions, and dynamics of selected private enterprise, collectivist, and underdeveloped economies. (Prerequisites: Econ. 121, 122.)

Econ. 425 3 Credits**History of Economic Thought (3+0)**

Economic thought from the physiocrats to the present, classical and neoclassical theory, exponents and critics; contemporary development in economic theory. (Prerequisites: Econ. 121, 122 and three credits of upper division courses in economic or other social sciences. Offered alternate years. Next offered 1972-73.)

Econ. 426 3 Credits**Statistical Methods (3+0)**

Classical statistics and regression analysis applied to economics and business problems. Specific topics covered include descriptive statistics, elements of probability, sampling, point and interval estimation, hypothesis testing, analysis of variance and regression analysis. (Prerequisites: Econ. 221, Math. 200.)

Econ. 429 3 Credits**Business Fluctuations (3+0)**

Analysis of fluctuations in economic activity; theories of business fluctuation; methods of control and forecasting. (Prerequisites: Econ. 221, 321, 324, 350; or permission of the instructor.)

Econ. 435 3 Credits**Economics of Resources (3+0)**

Concepts of resources; interaction among resources, industrialization and economic development; theories and problems of conservation; emphasis on Alaska. (Prerequisites: Econ. 321.)

Econ. 463 3 Credits**International Economics (3+0)**

Pure theory of international trade; comparative cost, terms of trade, and factor movements. International disequilibrium; balance of payments and its impacts on national economy, capital movement, economic development through international trade. (Prerequisites: Econ. 321, 324, or 350; or permission of the instructor.)

Econ. 471 3 Credits**Seminar in Economic Theory (3+0)**

Content will vary but will deal with advanced topics in economic theory. (Prerequisite: Permission of instructor.)

Econ. 472 3 Credits**Seminar in Contemporary Economic Problems (3+0)**

A study of current economic and business problems utilizing the knowledge and analytical techniques obtained in prerequisite courses. (Prerequisites: Econ. 221, 321, and 324.)

Econ. 493 Credits Arr.**Econ. 494 Credits Arr.****Special Topics****Econ. 495 Credits Arr.****Econ. 496 Credits Arr.****Research**

Readings and research on individually assigned topics; formal paper required on assigned topic.

Econ. 606 3 Credits**Economic History (3+0)**

Topics in European and American economic history with emphasis on problems and issues relevant to growth. Change in pre-industrial and industrializing economics in historical perspective. (Prerequisites: Econ. 691, 692.)

Econ. 607 3 Credits**Public Finance and Taxation (3+0)**

Role of government expenditures in light of welfare economics, direction and development of expenditures; types of taxes, their distributional and allocative effects; pricing policies in government enterprises; compensatory finance; the public debt. (Prerequisites: Econ. 691, 692.)

Econ. 608 3 Credits**Monetary Theory (3+0)**

Advanced topics in monetary theory with special reference to policy criteria and control techniques. (Prerequisites: Econ. 691, 692.)

Econ. 609 3 Credits**Industrial Organization and Public Policy (3+0)**

A study of market structure and performance, mergers, stochastic theories of industry structure; innovation, and technological change; location and transportation; public utilities; problems in the formation of public policy. (Prerequisite: Econ. 691.)

Econ. 610 3 Credits**Mathematical Economics (3+0)**

Application of theorems from calculus, matrix algebra, and probability theory, in various areas of economics such as linear programming, and non-linear programming, input/output analysis, game theory, demand theory, production theory and expected utility theory.

Econ. 612 3 Credits**Econometrics (3+0)**

Applications of statistical methods in testing economic theory and estimating economic relationships. Emphasis on multiple regression analysis, serial correlation, and other problems, and simultaneous equation methods. Selected applications in economics. (Prerequisites: Econ. 691, 692, 610.)

Econ. 615 3 Credits**Seminar in Labor Economics and Wage Determination (3+0)**

Wage levels, structure; income distribution, effects of education on earnings; history of labor unions in the United States, economic, political and social impact of unionism. (Prerequisites: Econ. 691, 692.)

Econ. 620 3 Credits**International Economics**

Capital movement. Balance of payments adjustments. Causes of trade and its effects on the allocation of resources, income distribution, growth and development, commercial policies. (Prerequisite: Permission of Instructor.)

Econ. 624 3 Credits**Petroleum Economics**

Economics of petroleum exploration and extraction: review of public policies governing petroleum industry, import policies, tax concessions, etc. (Prerequisite: Permission of Instructor.)

Econ. 630 3 Credits**Economic Planning**

Intensive examination of the structure and planning of the Soviet and East European economies: analysis of theoretical and operational dimensions of economics planning: choice, design and efficiency of central planning instruments are evaluated. (Prerequisite: Permission of Instructor.)

Econ. 640 3 Credits**Economics of Transportation**

Economic aspects of the transportation industry with special emphasis on problems of regulation and public policy: analysis of intermodal change. (Prerequisite: Permission of Instructor.)

Econ. 686 3 Credits**Statistical Decision Theory**

Emphasis will be placed on the measurement and interpretation of economic variables in the decision making process. (Prerequisite: Permission of Instructor.)

Econ. 691 3 Credits**Seminar in Price and Allocation Theory**

Pricing of factors of production. Capital theory. Income distribution by size and by function. Different forms of competitive and monopolistic behavior: their effect on efficiency of economic organization. (Prerequisite: Permission of Instructor.)

Econ. 692 3 Credits**Seminar in Theory of Income and Economic Fluctuations**

Theory of money, employment, income considered from points of view of comparative statistics, causes of instability and long-term change. (Prerequisite: Permission of Instructor.)

Econ. 695 3 Credits**Seminar in Economic Research**

Methods of economic research used in analyzing specific, assigned topics. Discussion of problems encountered, results obtained. Report and formal paper required. (Prerequisite: Permission of Instructor.)

Econ. 696 3 Credits**Seminar in Economic Research**

Methods of economic research used in analyzing specific, assigned topics. Discussion of problems encountered, results obtained. Report and formal paper required. (Prerequisite: Permission of Instructor.)

EDUCATION

Ed. 201 3 Credits

Orientation to Education (1+6)

Designed to acquaint the prospective teacher with the nature of teaching, including the scholastic, professional, and personality requirements for effective teaching. Involves laboratory time in the public schools as teacher's aide. Open to all students. Recommended for students majoring or minoring in education.

Ed. 301 3 Credits

Social Studies for Elementary Teachers (3+0)

Methods and materials adaptable to modern curriculum in elementary social studies. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 302 3 Credits

Language arts for Elementary Teachers (3+0)

Definition; role of language in children's learning; specific language skills to be taught in grades one through eight; methods and materials for effective teaching; organization for instruction; all aspects of the language arts, except reading. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 304 3 Credits

Literature for Children (3+0)

Criteria for evaluating children's books and application of criteria to books selected by student; history of children's literature; study of outstanding authors, illustrators and content of specific categories of literature; book selection aids and effective use of literature to promote learning. (Prerequisite: Psy. 245 or permission of the instructor.)

Ed. 306 3 Credits

Teaching of Science in Elementary Schools (3+0)

Modern concepts, methods and materials of teaching science. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 307 3 Credits

Teaching of Arithmetic (3+0)

Present day concepts, methods and materials. (Prerequisites: Math. 121, Ed. 313 and prerequisites thereto. In-service teachers may substitute Math. 345 for the mathematics prerequisites.)

Ed. 308 3 Credits

Physical Education for the Elementary School (2+3) (Same as P.E. 308)

Philosophy, source materials, games, rhythmic, group activities and program planning; participation required to gain skills and techniques of teaching activities for elementary grade children. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 309 3 Credits

Elementary School Music (Same as Mus. 309)

Principles, procedures, and materials for teaching music to children at the elementary level. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 311 3 Credits

Audio-Visual Methods and Materials (3+2)

Selection and use of audio-visual materials in teaching and learning at all levels of education. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 313 3 Credits

Educational Psychology (3+0)

Study of psychological principles and experience in applying them to classroom teaching and learning in public school classrooms. (Prerequisites: Psy. 101 and 245 or 246.)

Ed. 332 3 Credits

Tests and Measurements (3+0)

Theory and practice of educational evaluation; emphasis on testing aspects most applicable for classroom teachers; construction of teacher-made tests; interpretation of teacher-made and standardized instruments emphasized. Not open to students having credit in Psy. 373. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 345 3 Credits

Sociology of Education (3+0) (Same as Soc. 345)

Impact of culture on schools. Examination of contemporary social trends and relationships among church, school, government, and family. (Prerequisite: Soc. 101.)

Ed. 348 3 Credits

History of Education (3+0)

Development of education in Western civilization and its implications for American education. (Prerequisites: History 101, 102 or History 131, 132.)

Ed. 351 1 Credit**Workshop on Alaska**

A workshop consisting of lectures and biology, education, geography, mining, geology, history, literature, art, wildlife, and various other teaching fields.

Ed. 384 3 Credits**The Exceptional Child (3+0)**

Characteristics, identification, diagnosis, and remediation procedures for use with exceptional children. (Prerequisites: Ed. 313 and prerequisites thereto and junior standing.)

Ed. 402 3 Credits**Methods of Teaching (3+0)**

Principles and methods of teaching management, routine, daily programs, etc. (Prerequisites: Ed. 332 and prerequisites thereto. Must be taken concurrently with Ed. 452.)

Ed. 409 3 Credits**The Teaching of Reading (3+0)**

Importance and nature of reading. Specific steps involved in the teaching of reading, word analysis, comprehension, interpretation, reading rate; new developments in reading instruction emphasizing appropriate materials. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 421 3 Credits**Secondary Education (3+0)**

Development of a working concept of secondary education in the U.S., its history, objectives, curriculum, organization, practices, and consideration of current issues. (Prerequisites: Ed. 313 and prerequisites thereto.)

Ed. 422 3 Credits**Philosophy of Education (3+0)**

Basic philosophic concepts and their historical development; philosophy applied to education and related issues and problems; examinations of contributions of outstanding educators. (Prerequisite: Phil. 201 or permission of instructor.)

Ed. 426 3 Credits**Principles and Practices of Guidance (3+0)**

Introduction to the philosophies, organization, patterns, tools, and techniques that aid teachers and guidance personnel in preparing students for responsible decision-making in modern society. (Prerequisites: Ed. 332 and prerequisites thereto.)

Ed. 446 3 Credits**Public School Organization, Control, and Support (3+0)**

Fundamentals of public school organization, control, and support. Relation of federal, state, and local agencies. Problems incident to public school organization, control, and support in Alaska. (Prerequisite: senior standing in education. Not open to students who took Ed. 442, 542 before it was abolished.)

Ed. 452 6 Credits**Student Teaching (0+6)**

Supervised teaching in elementary or secondary schools of the Anchorage area approved by the Department of Education. The department may limit registration, determine assignments, prescribe the number of teaching hours required, and cancel the registration of students doing unsatisfactory work. (Prerequisite: See requirements for admission to student teaching. Must be taken concurrently with Ed. 402.)

Ed. 461 Credits Arr.**Research**

On approval of the head of the Education Department, fourth year students who show outstanding ability for individual study in education may undertake research during their final year.

Ed. 480 3 Credits**Education of Culturally Different Youth (3+0)**

Interdisciplinary study of problems encountered by teachers in educating culturally atypical pupils. Consideration of psychological and social factors inherent in the educational process. Specific attention given to curricular improvement and teaching strategies appropriate for culturally different students. (Prerequisites: Ed. 313 and prerequisites thereto and junior standing.)

Ed. 481 3 Credits**The Mentally Retarded Child in the School**

Introduces the students to the concept of mental retardation and its implications for public school teachers. Primary attention is given to instructional programs for retarded populations.

Ed. 482 3 Credits**The Maladjusted Child**

Covers the causes of maladaptive behavior in children and presents effective strategies for teaching these children. Functional and organic

causes will be reviewed along with the major explanatory theories. The effects of home, school, and society and procedures and methods used successfully in special and regular classrooms in other areas will be discussed.

Ed. 483 3 Credits

The Physically Handicapped Child

Covers the psychological and physical problems of children with organic disabilities. Included in this category are impairments of the central nervous system, cerebral palsy, epilepsy, and/or muscle, joint or bone disabilities. Also included will be children with chronic medical problems.

Ed. 484 3 Credits

Communication Disorders

Covers the general field of communication disorders which includes the interrelated areas of speech, hearing, language and vision. The psychological, social, emotional, and physical problems that children with these handicaps encounter will be discussed. Etiological factors, diagnostic tests and procedures, and educational implications will be covered.

Ed. 485 3 Credits

Theories of Learning Disabilities

Interdisciplinary contributions to the development of the field of learning disabilities including familiarity with a wide spectrum of theories such as educationally oriented concepts, perceptual-motor systems, multisensory systems, language systems, psycholinguistic approaches, neuro-psychological concepts and psychodynamic theories.

The concept of specific learning disabilities will be developed by definition, probable cause, and characteristics of learning disabled children. An overview proceeding from evaluation to instruction will include diagnostic teaching, newer approaches to reading, and specialized methods to prevent and remediate deficits in social mental and physical development.

Ed. 486 3 Credits

Curriculum Materials for Special Education

Provides both extensive and intensive knowledge of, and experience with, instructional materials intended for use with exceptional children. Students will study, use, and learn how to critically evaluate materials at the Special Education Instructional Materials Center of Hubbard School. Methods for designing special curricular activities around behavioral objectives and various evaluation techniques will be presented.

Ed. 487 Credits Arr.

Practicum in Special Education

Provides field experience with exceptional children in various facilities in the Anchorage area. Students will work with children who have communications, emotional, organic, and medical problems and with children who are mentally retarded. From two to three weeks will be spent in each institution. A time commitment of from 12-15 hours per week is required.

Ed. 491 Credit Arr.

Ed. 492 Credit Arr.

Seminar

Current topics in education. (Prerequisite: permission of the head of the division.)

Ed. 493 Credit Arr.

Ed. 494 Credit Arr.

Special Topics

Seminar

Various subjects; principally directed study, discussion and research.

Ed. 601 3 Credits

Master of Arts in Teaching

Seminar (3+0)

Expectations, concerns, and questions regarding elementary and secondary classroom teaching today. Selected major trends, problems, and issues in elementary and secondary education and the profession of elementary and secondary teaching. (Prerequisite: admission to Master of Arts in Teaching Program or permission of the instructor.)

Ed. 604 3 Credits

Diagnosis and Correction of

Reading Difficiencies (3+0)

Nature of the reading process; emphasis on psychology involved in discerning reading difficulties; testing programs to ascertain specific disabilities in readiness, vocabulary, work-attack, comprehension, speed and accuracy; specific suggestions for their correction; newer approaches to teaching reading. (Prerequisites: Ed. 409 and experience in the teaching of reading.)

Ed. 605 2 Credits

Reading Lab

Working with a child who has been identified as having reading problems using testing and remedial techniques appropriate to his need. (Can be taken only in conjunction with Ed. 604.)

Ed. 606 3 Credits**Reading Clinic**

A practicum approach to learning the techniques for evaluation and therapy regarding multiple types of reading and learning difficulties. Time required with children depends upon time available in a clinic situation. Graduate student will work with 6 to 10 remedial subjects 30 minutes each per week. Limited enrollment based upon student and staff evaluations. (Prerequisites include Ed. 604 or its equivalent.)

Ed. 607 3 Credits**Reading in Secondary Schools**

Designed to prepare teachers of reading and teachers of subject matter content area so that they may be better prepared to teach children who have reading problems or to act as reading specialist in the area of remedial reading and accelerated reading, and to be able to organize reading programs in the junior and senior high school. Work with a subject is required for 30 minutes.

Ed. 608 3 Credits**The Improvement of
Elementary Teaching (3+0)**

Emphasis on improvement of elementary teaching; a re-evaluation of teaching practices; relating to principles of learning, instructional procedures, and recent developments in education to situations made meaningful through the student's teaching experience. (Prerequisite: graduate standing in education and elementary teaching experience.)

Ed. 620 3 Credits**Curriculum Development (3+0)**

Basic definition of curriculum. Present need for curriculum improvement. Criteria for selection of broad goals. Types of curriculum framework examined. Consideration of the organization of specific learning experiences as part of the curriculum structure. (Prerequisites: Ed. 313 and graduate standing in education.)

Ed. 623 3 Credits**Principles of Individual Counseling (3+0)
(Same as Psy. 623)**

Philosophy and theory relevant to counseling; exploration of interaction and the relationships that foster emotional growth. (Prerequisites: Psy 251, 261, 406.)

Ed. 624 3 Credits**Group Counseling (3+0)
(Same as Psy. 624)**

The development of theoretical constructs and their application to complex group interactions; an awareness of self as change agent in the evolving unique society of the group. (Prerequisite: Ed. 623.)

Ed. 627 3 Credits**Education Research (3+0)**

Techniques of education research; selection of topics and problems, data gathering, interpretation and preparation of reports. (Prerequisite: graduate standing in education.)

Ed. 628 3 Credits**Analysis of the Individual (2+3)
(Same as Psy. 628)**

Seminar leading to an understanding of the individual and his relationships with others, utilizing intelligence and personality test interpretations, interviews, case history and case conference techniques. (Prerequisite: Ed. 623)

Ed. 630 3 Credits**Laboratory in Individual Testing (0+9)
(Same as Psy. 630)**

The administration of objectively scored tests of intelligence, personality, and perception; integration of test results to provide a meaningful evaluation of the individual. (Prerequisite: Ed. 623.)

Ed. 631 3 Credits**Advanced Educational Psychology:
Developmental (3+0)**

Stresses understanding of human emotional, mental, physical, and social development. Emphasis on individual differences. Assumes one previous course in human development, educational psychology, and teaching experience. (Prerequisite: graduate standing.)

Ed. 632 3 Credits**Occupational Information (3+0)
(Same as Psy. 632)**

Principles and practices of vocational guidance. Explains process of choosing a vocation, theories of vocational choice, sources and dissemination of occupational information. (Prerequisites: Ed. 623.)

Ed. 633 2 Credits**Organization, Administration, and Supervision of Guidance (2+0)**

For administrators, guidance personnel and others interested in developing or evaluating a guidance program; selection procedures and supervision of guidance personnel are considered. (Prerequisite: Ed. 426.)

Ed. 634 3 Credits**Counseling Practicum
(Same as Psy. 634)**

The ability to use one's self effectively in an agency that provides services to individuals seeking change. (Prerequisites: Ed. 623, 624 and approval of instructor. No more than 3 credit hours to be earned in one trimester.)

Ed. 636 2 Credits**Advanced Public School Administration:
Cases and Concepts (2+0)**

Case study approach to public school administration; identification and analysis of basic issues and problems; identification of pertinent data and possible solutions. (Prerequisite: first course in public school administration.)

Ed. 637 3 Credits**Public School Administration (3+0)**

Responsibility pertaining to the organization of a school and the direction of personnel. Functions of instructional leadership. Public school administration as a career. Problems incident to public school administration in Alaska. (Prerequisite: Ed. 446 and graduate standing in education.)

Ed. 638 3 Credits**Supervision and Improvement
of Instruction (3+0)**

Development, purpose, organization of supervisory programs; special attention to current in-service education programs. (Prerequisite: graduate standing in education.)

Ed. 639 3 Credits**Public School Finance (3+0)**

Contemporary basis for raising and distributing federal, state and local education funds; problems of school financing in Alaska. (Prerequisite: graduate standing in education.)

Ed. 641 3 Credits**School Law (3+0)**

Rights and responsibilities of teachers and pupils; ruling of the Attorney General; decisions of the courts, regulations of the State Board of Education. (Prerequisite: graduate standing in education.)

Ed. 660 6 Credits**Internship**

Field work in an appropriate educational or agency setting. Each student will complete an approved field study project. (Prerequisite: approval of student's advisory committee and admission to candidacy for the Ed.S. degree)

Ed. 681 3 Credits**Social-Cultural Determinants
of Mental Retardation**

Investigates social-cultural factors which contribute to the high incidence of mental retardation in the United States. Alternative solutions to the problems of segregated grouping models, the dependence upon biased psychometric instruments, and other related concerns will be investigated.

Ed. 682 3 Credits**Learning Disabilities Workshop:
Diagnosis**

Offers advanced work in administration and interpretation of standardized diagnostic instruments designed for use with children with various kinds of learning disabilities. Students will administer, score, interpret diagnostic tests, and prepare appropriate reports for use with remediation.

Ed. 683 3 Credits**Learning Disabilities Workshop:
Remediation**

Designed to provide supervised practice for students in (1) diagnosing learning problems of children; (2) recommending specific corrective intervention techniques; (3) implementing the recommended interventive program with the child; and finally (4) assessing and evaluating the effectiveness of the intervention strategy.

Ed. 684 3 Credits**The Gifted Child**

Covers the education of the gifted child; social, emotional and educational problems; divergent and convergent modes of thinking; understanding of high mental ability; and characteristics and methods of an optimal classroom program.

Ed. 686 3 Credits**Research Design in
Special Education**

Designed for teachers who are interested in undertaking research in public school classrooms as well as for teachers who wish to utilize current educational research findings in implementing programs for exceptional

children in the schools and/or other special settings. Students will design individual research projects.

Ed. 687 Credit Arr.

**Advanced Practicum:
Special Education**

Provides supervised field experience with exceptional children in Anchorage area facilities. Students will be assigned to work with children in their area of specialization. A minimum of 5 hours per week in the practicum facility will be required for each unit of credit.

Ed. 691 Credits Arr.

Ed. 692 Credits Arr.

Education Seminar

Current topics in education. Maximum credit allowed toward advanced degrees: four credits. (Admission by arrangement.)

Ed. 693 Credits Arr.

Ed. 694 Credits Arr.

Special Topics

Various subjects, principally by directed study, discussion, and research. (Admission by arrangement. Prerequisite: Ed. 627 when taken as independent project in lieu of thesis.)

Ed. 695 Credits Arr.

Ed. 696 Credits Arr.

Research Education

Independent project in lieu of thesis. (Admission by arrangement. Prerequisite: Ed. 627.)

Ed. 697 Credits Arr.

Ed. 698 Credits Arr.

Thesis

(Offered as demand warrants. Prerequisite: Ed. 627.)

ENGINEERING MANAGEMENT

ESM 401 Credits Arr.

**Construction Cost Estimating
and Bid Preparation**

Compilation and analysis of the many items that influence and contribute to the cost of the projects to be constructed. Preparation of cost proposals and study of bidding procedures. May be offered for graduate credit.

ESM 605 3 Credits

Advanced Engineering Economy (3+0)

The science of fiscal decision-making. Graduate-level studies in problems of

replacement, economic selections, income tax accounting, engineering evaluation and introduction to the problems of depreciation.

ESM 611 3 Credits

**Engineering Management-
Accounting (3+0)**

Review of accounting principles; industrial accounting, business organization; business finance; emphasis on use of data in management rather than its generation.

ESM 612 3 Credits

**Engineering Management-
Finance (3+0)**

Development of ability to seek out needed information, analyze it, and make recommendations over a wide range of managerial problems involving fiscal matters; cases involving capital acquisitions, profit maximization, methods improvement, pricing, modification of controls, and other management problems.

ESM 613 3 Credits

**Engineering Management-
Personnel (3+0)**

Human element in management; labor relations, human relations, personnel administration, industrial psychology, employee relations, and labor economics from the viewpoint of needs of a manager.

ESM 621 3 Credits

Operations Research (3+0)

Mathematical techniques for aiding managerial decision-making. Waiting line theory, inventory models, linear programming, transportation problems, dynamic programming, PERT/CPM, machine scheduling, and simulation. Emphasis on application of techniques to actual management situations.

ESM 623 3 Credits

**Computer Programming for
Engineering Managers (3+0)**

A course in basic FORTRAN programming, with applications to engineering and science management problems.

ESM 684 Credits Arr.

Project

Individual study of an actual engineering or science management problem, resulting in a report which includes recommendations for action.

ESM 691 Credits Arr.

ESM 692 Credits Arr.

Seminar

ESM 693 Credits Arr.
Special Topics in
Engineering Law

A course devoted to those aspects of law specifically related to engineering and engineering management. Contracts, specifications, agency, business organization, labor, real property.

ENGLISH

Engl.111 3 Credits
Methods of

Written Communication (3+0)

Intensive instruction in written expression, including orderly thought, clear expression, and close analysis of appropriate tests.

Engl 201 3 Credits

Engl.202 3 Credits

Masterpieces of World Literature (3+0)

Masterworks of literature, studies to acquire a broad background and develop standards of literary judgement. (Prerequisite: Engl 111.)

Engl.203 3 Credits

Engl.204 3 Credits

Survey of British Literature (3+0)

A survey of British Literature from its beginnings to the present. (Prerequisite: Engl 111.)

Engl.211 3 Credits

Advanced Composition-
with Modes of Literature (3+0)

Intensive written expression and close analysis of selected readings in methods and modes of literature. Special attention to literary techniques. Students write for weekly conferences. Introduction to research techniques. (Prerequisite: Engl. 111.)

Engl.213 3 Credits

Advanced Exposition (3+0)

Intensive written expression through selected readings in appropriate fields of social and natural sciences. Students write for individual conferences. Introduction to research techniques. (Prerequisite: Engl. 111.)

NOTE: Neither English 211 or English 213 is to be considered or is to be used as a prerequisite for any other course or for any particular course of study. Because both of these courses will be primarily courses in writing, either one of them will fulfill the second half of the requirement in written

communication for the baccalaureate degree. A student who has taken one of these courses before declaring a major in which the other course may be considered more appropriate, or a student who changes his major from a field in which one of these courses is considered more appropriate than the other, will not be required to take the other course.

Editors Note: Except where otherwise indicated, prerequisites for 300 or 400 level courses are Engl. 201 and 202 or 203-204 or permission of the instructor.

Engl.314 3 Credits

Research Writing (3+0)

Technical, specialized exposition, documentation and research. Concentration on language, style and audience in scholarly articles. Papers in students' fields prepared for conference. Students should have a definite project in mind before enrolling.

Engl.318 3 Credits

Modern English Grammar (3+0)

An inductive modern linguistic analysis of English emphasizing transformational grammar. Recommended for all students majoring in elementary education and for all students with a teaching major or minor in English.

Engl.321 3 Credits

The Renaissance (3+0)

Poetry and prose of the sixteenth century.

Engl.322 3 Credits

Neoclassical Age (3+0)

Poetry and prose from John Dryden through Samuel Johnson.

Engl.323 3 Credits

Romantic Period (3+0)

Poetry and prose from the late 1700's to 1830.

Engl.324 3 Credits

Victorian Period (3+0)

Poetry and non-fictional prose, 1830-1902. (Next offered in 1974.)

Engl.327 3 Credits

Colonial American Writing (3+0)

A survey of American Literary productions - history, sermons, theology, journals, diaries, autobiography, poetry, fiction, and drama - from the earliest days of colonialization to ea. 1800.

Engl.328 3 Credits**19th-Century American Prose
and Poetry (3+0)**

A survey of American literature and related criticism from Bryant and Poe through Robinson and James, including some major novels.

Engl.336 3 Credits**20th-Century American Prose (3+0)**

The major fiction of Lewis, Fitzgerald, Hemingway, Faulkner, and Steinbeck.

Engl.337 3 Credits**20th-Century American Poetry (3+0)**

The poetry of Whitman, Dickinson, Robinson, Frost, Stevens, Roethke, and others.

Engl.341 3 Credits**20th-Century British Literature (3+0)**

Major achievements of modern British poetry and prose.

Engl.342 3 Credits**20th-Century Drama (3+0)**

From Chekhov to Ionesco, the major dramatists and their achievements. (Next offered in 1974.)

Engl.352 3 Credits**The British Novel to 1900 (3+0)**

Origin and development of the novel with concentration on Richardson, Fielding, Austen, E. Bronte, Dickens, Conrad, and Hardy.

Engl.381 3 Credits**Craft of Poetry (3+0)**

An intensive study of the forms and techniques used by poets.

Engl.382 3 Credits**Craft of Fiction (3+0)**

An intensive study of the forms and techniques used by prose writers.

Engl.383 3 Credits**Craft of Drama (3+0)**

An intensive study of the forms and techniques used by dramatists. A close analysis of criticism from Aristotle to Bertolt Brecht.

Engl.413 3 Credits**Middle English Literature (3+0)**

Representative Middle English texts exclusive of Chaucer.

Engl.421 3 Credits**Chaucer**

Chaucer's poetry, with emphasis on The Canterbury Tales.

Engl.423 3 Credits**Elizabethan and
Jacobean Drama (3+0)**

Major plays of Elizabethan and Jacobean dramatists. (Next offered in 1973.)

Engl.424 3 Credits**Shakespeare (3+0)**

Major works, emphasis on the later plays and review of Shakespearian criticism.

Engl.426 3 Credits**Milton (3+0)**

The poetry, selected prose, and survey of the criticism of Milton.

Engl.431 1-3 Credits**Engl.432 1-3 Credits****Creative Writers Workshop (3+0)**

Writing fiction and poetry. Critique of student productions.

Engl.441 3 Credits**Greek Literature (3+0)**

Greek literature in English translation.

Engl.442 3 Credits**Roman Literature (3+0)**

Roman literature in English translation.

Engl.444 3 Credits**European Literature (3+0)**

Studies in major European writers and periods.

Engl.462 3 Credits**Linguistics and Literature (3+0)**

An analysis of various forms of literature, using the techniques of modern linguistics. (Prerequisite: Engl. 318 is desirable but not required.)

Engl.472 3 Credits**History of English Language (3+0)**

Origin and development of the English language; from prehistoric time to the present. (Engl. 318 is desirable but not required.)

Engl.493 3 Credits**Engl.494 3 Credits****Special Topics (3+0)**

Various subjects in American, British, and comparative literature.

Engl.600 3 Credits**Introduction to Graduate Studies
in English (3+0)**

A survey of theories of literature, bibliographical studies, and methods of

teaching English in the college or university. Required of all entering graduate students in English.

Engl.605 3 Credits
Studies in Drama (3+0)

Engl.610 3 Credits
Studies in Fiction (3+0)

Engl.615 3 Credits
Studies in Poetry (3+0)

Engl.620 3 Credits
Studies in Criticism (3+0)

Engl.624 3 Credits
Studies in Old English (3+0)

The course will be designed to give the student a basic understanding of the nature and structure of the Old English language. The course will begin with a study of the language and will proceed to serve as an introduction to Anglo-Saxon literature. Selected prose and verse readings will be chosen in such a way as to demonstrate the nature of the language and of the literature and culture.

Engl.630 3 Credits
Studies in Literature of the
English Renaissance (3+0)

Engl.635 3 Credits
Studies in 17th-Century
English Literature (3+0)

Engl.640 3 Credits
Studies in 18th-Century
English Literature (3+0)

Engl.645 3 Credits
Studies in the Literature of the
British Romantic Period (3+0)

Engl.650 3 Credits
Studies in the Literature of the
Victorian Period (3+0)

Engl.655 3 Credits
Studies in 20th-Century
British Literature (3+0)

Engl.661 3 Credits
Studies in 19th-Century
American Literature (3+0)

Engl.666 3 Credits
Studies in 20th-Century
American Literature (3+0)

Engl.670 3 Credits
Studies in Comparative
Literature (3+0)

Engl.683 3 Credits
Directed Reading (3+0)
Intensive reading for the M.F.A. candidate.

Engl.691 Credits Arr.
Engl.692 Credits Arr.
Seminar
Various topics. (Admission by arrangement.)

Engl.693 Credits Arr.
Engl.694 Credits Arr.
Special Topics

Engl.695 Credits Arr.
Engl.696 Credits Arr.
Research

Engl.697 Credits Arr.
Engl.698 Credits Arr.
Thesis

WRITERS WORKSHOP

Engl.675 Credits Arr.
Writing Drama

Engl.681 Credits Arr.
Writing Fiction

Engl.685 Credits Arr.
Writing Verse

GEOGRAPHY

Geog. 302 3 Credits
Geography of Alaska (3+0)
Regional, physical and economic geography of Alaska. Special consideration of the state's renewable and non-renewable resources, and of plans for their wise use. Frequent class study of representative maps and other audio-visual materials.

Geog. 305 3 Credits
Geography of Europe
(except U.S.S.R.) (3+0)
Regional, physical, economic and cultural geography of Europe, except U.S.S.R. (Prerequisite: an introductory geography course or permission of the instructor.)

Geog. 311 3 Credits**Geography of Asia (3+0)**

Regional geography of Asia, exclusive of the Soviet Union. A study of the physical framework, natural resources, peoples, major economic activities and characteristic landscapes of the major regions of Japan, China, Southeast Asia, India-Pakistan and the Asiatic countries of the Middle East. (Prerequisite: Geog. 101 or 103 or 105 or permission of the instructor.)

Geog. 316 3 Credits**Pleistocene Environment (3+0)**

Principles of Paleogeography and their application to the environments of the ice age and post-glacial times. (Prerequisite: Geog. 105 or permission of the instructor.)

Geog. 327 3 Credits**Cold Lands (3+0)**

The comparative physical, human and economic geography of cold regions, with particular attention to Siberia, Greenland, Scandinavia and Canada. Special attention is given to the different approaches which have been taken toward economic development in cold regions. (Prerequisite: Geog. 101 or 103 or 105 or permission of the instructor.)

Geog. 401 3 Credits**Weather and Climate (3+0)**

Introduction to the study of weather and classification of climates. (Prerequisite: permission of the instructor.)

Geog. 402 3 Credits**Man and Nature (3+0)**

The relationship of man with the land he occupies; study of the physical environment and human occupation of the world's major regions; consideration of the significance of cultural diversity, differing patterns of livelihood, settlement and population changes.

Geog. 405 3 Credits**Political Geography (3+0)**

Geographical analysis of the evolution, structure, internal coherence, and sources of strength of individual nation states, with emphasis on nations of the Pacific realm and Arctic periphery. Consideration of regional blocs, spheres of influence, and potentialities for international cooperation.

HISTORY**Hist. 302 3 Credits****The French Revolution and Napoleon (3+0)**

The political, social and economic structure of the old regime; intellectual developments in the eighteenth century; the revolution and the Napoleonic period; influence of France upon European development in the eighteenth century. (Prerequisite: Hist. 102.)

Hist. 305 3 Credits**Europe: 1815 to 1870 (3+0)**

Political, economic, social and intellectual history. Development of industrial revolution, romantic movement, and unification of Germany and Italy. (Prerequisite: Hist. 102. Offered in alternate years.)

Hist. 306 3 Credits**Europe: 1870 to 1914 (3+0)**

Continuation of Hist. 305. The rise of socialism, imperialism, outbreak of World War I. (Prerequisite: Hist. 102. Offered in alternate years.)

Hist. 315 3 Credits**Europe 1914-1945 (3+0)**

World War I, the Russian Revolution, the Paris Peace Conference, Fascism, Nazism, the Stalin Revolution, the Great Depression, World War II. (Prerequisites: Hist. 101, 102 or admission by arrangement. Offered in alternate years.)

Hist. 316 3 Credits**Europe since 1945 (3+0)**

Germany and problems of the Peace, the Soviet Union and the Satellites, the Cold War, Economic Problems and Recovery, European Integration and the Common Market, Europe and the World. (Prerequisites: History 101, 102, or admission by arrangement. Offered in alternate years.)

Hist. 334 3 Credits**Diplomatic History of the United States (3+0)**

A survey of foreign relations of the United States from 1775 to the present.

Hist. 341 3 Credits**History of Alaska (3+0)**

The Russian background; acquisition, settlement and development of Alaska as an American territory and the 49th State. (Prerequisite: junior standing.)

Hist. 344 3 Credits**Twentieth Century Russia (3+0)**

Origin and development of the Soviet Union from the Revolution of 1917 to the present day; stages of economic development; Soviet government and the Communist Party. (Prerequisites: Hist. 101, 102. Offered in alternate years.)

Hist. 375 3 Credits**History of the Northern Pacific (3+0)**

The historical development and inter-relationships and problems of the North Pacific (Siberia, Canada, Alaska) from the 18th century to the present.

Hist. 380 3 Credits**Polar Exploration and its Literature (3+0)**

A survey of polar exploration efforts of all Western nations from A.D. 870 to the present and a consideration of the historical sources of this effort.

Hist. 416 3 Credits**The Renaissance (3+0)**

Political, social, economic and cultural developments in the age of the Renaissance. (Prerequisites: Hist. 101, 102. Offered in alternate years.)

Hist. 417 3 Credits**The Reformation (3+0)**

The Protestant and Catholic reformations. Political, economic, social and religious conflicts. 1500-1600. (Prerequisites: Hist. 101, 102. Offered in alternate years.)

Hist. 430 3 Credits**American Colonial History (3+0)**

Early America; European settlement; economic and social development of the American community, establishment of political independence. (Prerequisites: Hist. 131, 132. Offered in alternate years.)

Hist. 435 3 Credits**Civil War and Reconstruction (3+0)**

Political, economic, social and diplomatic history from 1860-77; disruption and re-establishment of the Union. (Prerequisites: Hist. 131, 132. Offered in alternate years.)

Hist. 440 3 Credits**The Westward Movement (3+0)**

Westward migration; establishment of new states and political institutions. Influences of the West. (Prerequisites: Hist. 131, 132. Offered in alternate years.)

Hist. 450 3 Credits**Twentieth Century America (3+0)**

United States from the progressive movement to the present day, with emphasis on domestic developments. (Prerequisites: Hist. 131, 132. Offered in alternate years.)

Hist. 461 3 Credits**American Intellectual and Cultural History (3+0)**

Lectures, readings, discussion. Examination of the development of American thought, including the transfer and modification of European ideas and the influence of American conditions on popular attitudes and culture. (Prerequisites: Hist. 131, 132. Offered in alternate years.)

Hist. 475 3 Credits**Hist. 476 3 Credits****Historiography and Historical Method (3+0)**

A two-semester sequence. Readings, lectures, and discussions on the nature of history, the history of historical study and writing, recent tendencies in historical scholarship, and methods of historical research. Lectures, etc., continue in the spring semester, which is devoted also to completion of two research papers begun in the fall. Lectures, discussion leadership, and direction of research papers are by the department staff.

Hist. 491 Credits Arr.**Hist. 492 Credits Arr.****Seminar in Northern Studies**

An interdisciplinary seminar focusing on topics relating to the North with emphasis on the physical sciences, the peoples and the socio-economic and political aspects of the area. Specialists in the various fields will assign readings and conduct discussions.

Hist. 493 Credits Arr.**Hist. 494 Credits Arr.****Special Topics****JOURNALISM****Jour.301 3 Credits****Reporting (3+0)**

News gathering and writing techniques with emphasis on the vocabularies of public affairs reporting including local, state and national governments, police and the courts, labor and political party organizations. (Prerequisite: Jour. 201.)

Jour.302 3 Credits**Reporting Public Affairs (3+0)**

Investigative, in-depth reporting on major stories in special areas of Alaskan or regional interest. (Prerequisite: Jour. 301.)

Jour.303 3 Credits**Advanced Photography (1+3)**

Continuation of the basic course, with emphasis on the picture story and free lance photography. (Prerequisite: Jour. 203.)

Jour.311 3 Credits**Magazine Article Writing (3+0)**

Study and practice in wiring articles for publication in national media. Students repeating the course limited to a total of six credits. (Admission by arrangement.)

Jour.320 3 Credits**Journalism in Perspective (3+0)**

A survey of the history and principles of journalism examined in the light of today's problems and future goals.

Jour.324 3 Credits**Newspaper Production and
Typography (1+6)**

Theory and practice of advertising, typographic design and layout, coupled with a study of the methods of printing production. Recommended for business administration and required for journalism majors.

Jour.333 1 Credit**Current Affairs (1+0)**

Study and discussion of current events. An analysis of news events, trends and prevailing ideas and attitudes in the nation as viewed through the mass media.

Jour.411 3 Credits**Advanced Magazine Article Writing (3+0)**

Study and practice in writing advanced articles for publication in national and international media. (Prerequisite: Permission of the instructor.)

Jour.412 3 Credits**Specialized Editing (2+3)**

Special problems in editing, with emphasis on the practical experience of editing special features, newspaper sections. Students will work closely with Anchorage newspapers. (Prerequisite: Jour. 212.)

Jour.413 3 Credits**Law of the Press (3+0)**

Study of the laws and regulations that govern the mass media; emphasis is placed on libel, censorship and copyright. (Prerequisite: Jour. 201 or permission of the instructor.)

Jour.420 3 Credits**Biography (3+0)**

Research and writing of biography and autobiography.

Jour.441 3 Credits**Editorial and Critical Writing (3+0)**

Study and practice in the fields of persuasive, interpretive and evaluative writing on the professional level. Leadership role of the media in today's society. (Prerequisite: permission of instructor.)

Jour.493 Credits Arr.**Jour.494 Credits Arr.****Special Topics**

Various subjects in journalism. (Offered as demand warrants. Admission by arrangement.)

MATHEMATICS**Math. 302 3 Credits****Differential Equations (3+0)**

Nature and origin of differential equations; first order equations and solutions; linear differential equations with constant coefficients, systems of equations, power series solutions, operational methods, applications. (Prerequisite: Math. 202.)

Math. 303 3 Credits**Math. 304 3 Credits****Introduction to
Modern Algebra (3+0)**

Introduction to sets, groups, rings, fields, and Galois theory.

Math. 305 3 Credits**Geometry (3+0)**

Topics selected from such fields as: projective geometry, algebraic geometry, algebraic topology, and geometry of convex bodies.

Math. 310 3 Credits**Numerical Analysis (3+0)**

Finite differences, numerical solutions of differential equations, relaxation methods, interpolation, equations, and matrices. Error analysis. (Prerequisite: Math. 302.)

Math. 312 3 Credits**Numerical Methods for Engineers
(3+0)**

Numerical methods and computer programming designed for engineering students. FORTRAN language for IBM 1620; numerical approximations, solution of differential equations, nonlinear equations, iterative and direct methods for simultaneous linear equations. Individual use of computer parallels lecture topics. (Prerequisite: Math. 302 or concurrently with Math. 302.)

Math. 314 3 Credits**Linear Algebra (3+0)**

Linear equations, finite dimensional vector spaces, matrices, determinants, linear transformations, characteristic values. Inner product spaces.

Math. 319 3 Credits**Math. 320 3 Credits****Intermediate Analysis**

(Math. 319) An investigation of the limit concept with special reference to functions on the real line, sequences and series of real numbers, and integration of continuous functions. (Prerequisite: Math. 202,314.)

(Math. 320) Functions of several variables, transformations, mappings, implicit function theorems, Green's theorem. (Prerequisite: Math. 319.)

Math. 345 3 Credits**Modern Math Concepts for the
Elementary School**

Includes a study of the historical development of numeral systems together with operations in various bases. Properties of numerals and numbers are discussed. A brief study of symbolic logic precedes an investigation of the structure of arithmetic, seeking basic principles underlying operations with various number and abstract systems. A survey of informal and intuitive geometry and its relationship with number systems is included. (Prerequisite: one full year of elementary school teaching.)

Math. 371 3 Credits**Probability (3+0)**

Probability spaces, conditional probability, random variables, continuous and discrete distributions, expectation, moments, moment generating functions, and characteristic functions.

Math. 403 3 Credits**Introduction to Real Analysis (3+0)**

Sets, real numbers, functions. Topology of Metric Spaces, mappings. (Prerequisite: Math 320.)

Math. 404 3 Credits**Topics in Analysis or Topology (3+0)**

To be alternated with Math 410. Topics to be announced at time of registration. (Prerequisite: Math 403.)

Math. 405 3 Credits**Math. 406 3 Credits****Applied Mathematics (3+0)**

Infinite series, functions of several variables, algebra and geometry of vectors, matrices, vector field theory, partial differential equations, complex variables. (Prerequisite: Math. 302 or permission of the instructor. To be offered in alternate years.)

Math. 407 3 Credits**Math. 408 3 Credits****Mathematical Statistics (3+0)**

Distribution of random variables and functions of random variables, interval estimation, point estimation, sufficient statistics, order statistics, test of hypotheses including criteria for goodness of test. (Prerequisite: Math. 372. Offered as demand warrants.)

Math. 410 3 Credits**Introduction to Complex Analysis
(3+0)**

To be alternated with Math 404. Analytic function, Cauchy's theorem. Sequences and series.

Math. 411 3 Credits**Differential Equations (3+0)**

Existence and uniqueness of solutions of ordinary differential equations. Linear systems. Geometric properties of solutions. A deeper and less computational course than Math. 302. (Prerequisite: Math. 320.)

Math. 417 3 Credits**Differential Geometry (3+0)**

Differential geometry of curves and space in Euclidean three-space and extensions to Riemannian n-space.

Math. 491 Credits Arr.**Math. 492 Credits Arr.****Seminar**

Topics are selected according to needs and interests of the students to introduce them to independent study and research.

Math. 493 Credits Arr.
 Math. 494 Credits Arr.
Special Topics
 Primarily for mathematics majors. Various topics studied.

MUSIC

Mus. 313 1-3 Credits
 Opera Workshop (0+3, 6 or 9)

Mus. 351 2 Credits
 Choral Conducting (2+0)
 Principles of conducting and interpretation with vocal ensembles. (Prerequisite: Mus. 232.)

Mus. 352 2 Credits
 Instrumental Conducting (2+0)
 Principles of conducting and interpretation with instrumental ensembles. (Prerequisite: Mus. 232.)

Mus. 432 3 Credits
 Orchestration and Arranging (3+0)
 Principles and practices of instrumentation and arranging for vocal and instrumental ensembles.

Mus. 493 Credit Arr.
 Mus. 494 Credit Arr.
Special Topics
 Various subjects. (Admission by arrangement.)

PHILOSOPHY

Phil. 321 3 Credits
 Aesthetics (3+0)
 The nature of aesthetic experience in poetry, music, painting, sculpture and architecture; studies in relation to artistic production and the role of art in society.

Phil. 332 3 Credits
 Ethics (3+0)
 Examination of ethical theories and basic issues of moral thought.

Phil. 341 3 Credits
 Epistemology (3+0)
 The nature of knowledge, truth and certainty. (Prerequisite: Phil. 201.)

Phil. 342 3 Credits
 Metaphysics (3+0)
 The nature of reality comprising both ontology and cosmology. (Prerequisite: Phil. 201.)

Phil. 351 3 Credits
 History of Philosophy (3+0)
 Ancient and medieval periods. (Prerequisite: six credits in philosophy or social science.)

Phil. 352 3 Credits
 History of Philosophy (3+0)
 Renaissance, modern and recent periods. (Prerequisite: six credits in philosophy or social science.)

Phil. 471 3 Credits
 Contemporary Philosophical Problems (3+0)
 Ideological issues facing the modern world. (Prerequisite: nine credits in philosophy or permission of the instructor.)

Phil. 481 3 Credits
 Philosophy of Science (3+0)
 Comparison and discussion of various contemporary methodological positions. (Prerequisite: junior standing.)

Phil. 482 3 Credits
 Comparative Religion (3+0)
 Seven world faiths represent answers to questions of man's duty, his destiny and his nature. (Prerequisite: permission of the instructor.)

Phil. 483 3 Credits
 Philosophy of Social Science (3+0)
 Comparison and analysis of various contemporary methodological positions in the social sciences. (Prerequisite: junior standing.)

Phil. 484 3 Credits
 Philosophy of History (3+0)
 Critical examination of the nature of history and historical inquiry. (Prerequisite: nine credits in philosophy or social science.)

Phil. 493 Credits Arr.
 Phil. 494 Credits Arr.
Special Topics
 Various subjects.

POLITICAL SCIENCE

P.S. 301 3 Credits
 Public Administration in the Political Process (3+0)
 Techniques and problems of administering public policy. The changing role of the executive branch in the political process. (Prerequisite: P.S. 101.)

P.S. 315 3 Credits**The American Political Tradition
(3+0)**

The origin, nature and development of basic ideas that constitute the mainstream of the American political tradition. Debates of the constitutional Convention; nature of the Union; the Progressive movement. Present trends in American political thought. Effects on legislative and judicial decisions. (Prerequisites: History 131-132 strongly recommended.)

P.S. 318 3 Credits**Studies in the New Politics (3+0)**

Survey of the history, development, ideologies and programs of groups such as the "hippies", student militants, black power activists and religious movements with neo-political overtones.

P.S. 321 3 Credits**P.S. 322 3 Credits****International Politics (3+0)**

Introduction to the international political process; an appraisal of the nation state, the evolution of the international system, and the dynamics of foreign policy formation; a survey of international relations theory, including classical, geopolitical and behavioral approaches. Second semester continuation with special attention to international law and organization, international political integration, and arms control and disarmament.

P.S. 332 3 Credits**International Law and Organization
(3+0)**

Development, structure, policies and problems of public international law and organizations. Accomplishments and limitations of universal and regional organizations and law.

P.S. 401 3 Credits**P.S. 402 3 Credits****Political Behavior (3+0)**

Behavior of political organizations, parties, groups, politicians and individual citizens. (Prerequisites: P.S. 101, 102.)

P.S. 411 3 Credits**P.S. 412 3 Credits****Political Theory (3+0)**

Ancient, classical, medieval and modern political concepts, and their effects on political behavior.

P.S. 415 3 Credits**Recent Political Thought (3+0)**

A discussion of the contributions of modern thinkers to political theory.

P.S. 434 3 Credits**American Constitution (3+0)**

Role of the judiciary in the American political system reviewed both historically and through analysis of leading cases. (Prerequisite: P.S. 101.)

P.S. 491 Credits Arr.**P.S. 492 Credits Arr.****Seminar****P.S. 601 3 Credits****Public Administration in the Political Process**

Political factors which condition the structure and functioning of administration; public interest; agency constituencies; administration's place in the political and social system.

P.S. 610 3 Credits**Administrative Theory and Behavior**

Role of the administrator; theories of complex organizations and their administration; administrative leadership; ethics.

P.S. 612 3 Credits**Administrative Management**

A study of budgeting, personnel and financial management systems in public-oriented organizations. Decision-making, communication, automation, operations research and systems analysis.

P.S. 615 3 Credits**Comparative Administration**

Administration in developing areas; techniques of comparative administration applied to Alaska's problems; administrative organization as one of the keys to political, social and economic development; circumstances under which political and administrative change occurs, especially in developing societies; intercultural aspects of developing societies; intercultural aspects of developing administration; impacts of government on development.

P.S. 618**Accountability, Law and the
Administrative Process**

The problems of maintaining a responsive bureaucracy subject to democratic controls; implications of administrative due process of law; selected case studies in state and federal administration.

P.S. 620 3 Credits**Administrative Internship**

Required only of students lacking administrative experience. This shall consist of part-time work in an approved federal, state or local agency, to be supervised by a senior employee of that agency in cooperation with a faculty advisor.

P.S. 625 3 Credits**Economics and Public Policy**

An examination of economics in relation to public policy, both as a determinant of policy and a tool of administration.

P.S. 630 3 Credits**Administrative Problems in Alaska**

Rural and small city administration; impact of government on the economy; fiscal management policies; technical assistance, loans and subsidies, contracts, public enterprise; resource administration.

P.S. 634 3 Credits**Natural Resources Administration**

Growth of the concept of conserving and developing natural resources; translation into public policy, inter-relationships and coordination among principal state and federal resource administration agencies; development and ecology, interest groups affecting resource development.

P.S. 689 3 Credits**Scope, Methods and Techniques of Research in Public Administration**

A comprehensive review of the literature in the field of public administration and an in-depth examination of the various methods and techniques employed by those who research and write utilizing these disciplinary tools.

P.S. 693 Credits Arr.**P.S. 694 Credits Arr.****Special Topics**

Each student shall be permitted to undertake the investigation of an administrative problem which falls within the scope of his individual program. The investigation and written report shall be conducted under the auspices of a designated member of the faculty.

P.S. 697 Credits Arr.**P.S. 698 Credits Arr.****Thesis Research**

Each student shall be permitted to design and complete a thesis which shall test the candidate's capacity to undertake independent research and to apply the knowledge and skills

acquired during his graduate program. The topic shall be approved by the student's advisory committee. The student shall be examined on the thesis by a faculty committee as prescribed in the Manual of Procedure and Information for graduate students.

PSYCHOLOGY**Psy. 101 3 Credits****Introduction to Psychology
(3+0)**

Fundamentals of general psychology. Human behavior: genetic, motivation, learning, sensations, perception, personality.

Psy. 201 3 Credits**Advanced General Psychology
(3+0)**

The theory and methods of psychology, including the scope and limitations of the science. Major emphasis in the areas of experimental, statistical, physiological, clinical, and social analysis of behavior. (Prerequisite: Psy. 101.)

Psy. 245 3 Credits**Child Development (2+3)
(Same as P.E. 245.)**

Theory and laboratory of human mental, emotional, social, and physical development. (Prerequisites: Psy. 101, 45 semester hours, and permission of the instructor.)

Psy. 246 3 Credits**Adolescence (2+3)
(Same as Soc. 246)**

Intellectual, emotional, social and physical development patterns during the adolescent years. Laboratory arranged for observations of adolescents in a variety of settings, including public schools. (Prerequisites: Psy. 201, 45 semester hours, and permission of the instructor. Soc. 101 is recommended.)

Psy. 251 3 Credits**Introductory Statistics for
Behavioral Sciences (3+0)
(Same as Soc. 251)**

Introduction to the purposes and procedures of statistics; calculating methods for the description of groups (data reduction) and for simple inferences about groups and differences between group means. (Prerequisite: Psy. 201.)

- Psy. 261 3 Credits**
Introduction to Experimental Psychology (2+3)
 Introduction to and laboratory application of the experimental methods to some problems of psychology using both human and animal subjects. (Prerequisite: Psy. 201.)
- Psy. 301 3 Credits**
History and Systems of Psychology (3+0)
 Development of psychological thought with an emphasis on experimental and theoretical areas from the early Greeks to the present. (Prerequisite: Psy. 201.)
- Psy. 302 3 Credits**
Social Psychology (3+0)
 (Same as Soc. 302)
 An analysis of inter-group relationships in terms of process and value orientation, their influences on the personality, and the various aspects of collective behavior on group and person. (Prerequisites: Psy. 201 and/or Soc. 101, 102.)
- Psy. 331 3 Credits**
Industrial Psychology (3+0)
 Job and worker analysis, selection, training, fatigue, worker adjustment, morale, labor-management relations. (Prerequisite: Psy. 201. Offered alternate years, next offered 1973.)
- Psy. 338 3 Credits**
Abnormal Psychology (3+0)
 Abnormalities of human behavior. (Prerequisite: Psy. 201.)
- Psy. 362 3 Credits**
Intermediate Experimental Psychology (2+3)
 Training in the design, instrumentation, and execution of experiments with human and animal subjects. Major emphasis in the areas of learning, motivation, and perception. (Prerequisites: Psy. 201, 261.)
- Psy. 373 3 Credits**
Psychological Testing (3+0)
 Standardized psychological tests in various applied areas; administration, scoring, and interpretation of established tests. (Prerequisites: Psy. 201, 251, 261.)
- Psy. 406 3 Credits**
Theories of Personality (3+0)
 Current psychological theories with a critical examination of the different approaches used in theory construction. (Prerequisites: Psy. 201, 251, 261.)
- Psy. 407 3 Credits**
Motivation (3+0)
 Survey of theory and research on reinforcement punishment, frustration, preference, instinctual mechanisms, and other factors "controlling" the performance of organisms. (Prerequisites: Psy. 201, 261.)
- Psy. 434 3 Credits**
Undergraduate Practicum (2+3)
 Provides supervised field experience, including observation and interaction with clients in an agency. (Prerequisites: Psy. 201 and permission of the instructor.)
- Psy. 464 3 Credits**
Learning (3+0)
 A study of the major theories of conditioning and learning, and a survey of current literature concerning classical conditioning and instrumental learning in humans and animals. (Prerequisites: Psy. 201, 261.)
- Psy. 465 3 Credits**
Comparative and Physiological Psychology (3+0)
 An introduction to physiological, chemical, and neural principles basic to human and animal behavior. Review of current literature in the field. (Prerequisites: Psy. 201, 261. It is recommended that Biol. 105 and 106 be taken prior to Psy. 465.)
- Psy. 466 3 Credits**
Perception (3+0)
 Current literature and theoretical models of perception emphasizing the physiological, developmental, and social effects on interpretation of sensory processes. (Prerequisites: Psy. 201, 261.)
- Psy. 473 3 Credits**
Social Science Research Methods (3+0)
 (Same as Soc. 473)
 Techniques of social research; sampling, questionnaire construction, interviewing and data analysis in surveys; field and laboratory experiments; attitude scaling. (Prerequisites: Psy. 251 and prerequisites thereto.)
- Psy. 491 2 Credits**
Psy. 492 2 Credits
Seminars in Areas of Current Interest (2+0)

Psy. 493 Credits Arr.

Psy. 494 Credits Arr.

Special Topics for
Individual Special Study,
Research, or Readings

Psy. 603 5 Credits

Advanced Statistics (3+0)

Descriptive and inferential statistics at an advanced level, with emphasis on hypothesis testing, using univariate, multivariate, and distribution-free statistical tests. (Prerequisite: Psy. 251.)

Psy. 620 3 Credits

Research Methods in
Experimental Psychology (3+0)

The essentials of research design, the relationship between research design and statistical tests, and general research strategies utilized in the development of psychological theories. (Prerequisite: Psy. 603.)

Psy. 621 3 Credits

Learning, Motivation and Emotion
(3+0)

A graduate level survey of learning, motivation, and emotion, with an emphasis on classical and operant conditioning. (Prerequisite: Psy. 251, 271.)

Psy. 622 3 Credits

Personality Theory and
Social Psychology (3+0)

Theory and research concerning: personality structure, social processes and interaction. (Prerequisites: Psy. 302, 406.)

Psy. 623 3 Credits

Principles of
Individual Counseling (3+0)
(Same as Ed. 623)

Philosophy and theory relevant to counseling; exploration of interaction and the relationships that foster emotional growth. (Prerequisites: Psy. 251, 261, 406.)

Psy. 624 3 Credits

Group Counseling (3+0)
(Same as Ed. 624)

The development of theoretical constructs and their application to complex group interactions; an awareness of self as change agent in the evolving unique society of the group. (Prerequisite: Psy. 623.)

Psy. 625 2 Credits

Seminar in Group Processes
(2+0)

A seminar designed to familiarize participants with the processes occurring in and among normal social and task groups and to develop personal skills for more effective participation in groups. (Prerequisite: Graduate Status.)

Psy. 626 2 Credits

Seminar in Group and
Interpersonal Relationships (2+0)

An intensive T-Group experience designed to provide individuals with opportunities to develop insight and sensitivity in regard to themselves and others. (Prerequisite: Psy. 623.)

Psy. 628 3 Credits

Analysis of the Individual (2+3)
(Same as Ed. 628)

Seminar leading to an understanding of the individual and his relationships with others, utilizing intelligence and personality test interpretations, interviews, case history and case conference techniques. (Prerequisite: Psy. 623.)

Psy. 630 3 Credits

Laboratory in Individual Testing
(0+9)
(Same as Ed. 630)

The administration of objectively scored tests of intelligence, personality, and perception; integration of test results to provide a meaningful evaluation of the individual. (Prerequisite: Psy. 628.)

Psy. 632 3 Credits

Occupational Information (3+0)
(Same as Ed. 632)

Principles and practices of vocational guidance. Explains process of choosing a vocation, theories of vocational choice, sources and dissemination of occupational information. (Prerequisite: Psy. 623.)

Psy. 634 3 Credits

Counseling Practicum
(Same as Ed. 634)

The ability to use one's self effectively in an agency that provides services to individuals seeking change. (Prerequisites: Psy. 623, 624, and approval of instructor. No more than 3 credit hours to be earned in one trimester.)

Psy. 640 3 Credits
Psychodiagnostics I
 (2+3)

The theoretical implications of psychological testing for understanding subjects; the techniques for the administration and scoring of projective tests and perceptual tests. (Prerequisite: Psy. 628.)

Psy. 641 3 Credits
Psychodiagnostics II
 (2+3)

The integration of information obtained through psychological testing within a meaningful theoretical framework; the administration and scoring of batteries of tests and the writing of psychological evaluations. (Prerequisite: Psy. 640.)

Psy. 653 3 Credits
Mathematical Models in
Psychology (3+0)

An introduction to mathematical models in learning, decision theory, game theory and social interaction. (Prerequisite: Psy. 603.)

Psy. 691 2 Credits

Psy. 692 2 Credits
Seminars in Areas of
Current Interest

Psy. 693 Credits Arr.

Psy. 694 Credits Arr.
Special Topics
 (Investigative Paper, for example.)

SCIENCE MANAGEMENT

ESM 401 Credits Arr.
Construction Cost Estimating
and Bid Preparation

Compilation and analysis of the many items that influence and contribute to the cost of the projects to be constructed. Preparation of cost proposals and study of bidding procedures. May be offered for graduate credit.

ESM 605 3 Credits
Advanced Engineering Economy (3+0)

The science of fiscal decision-making. Graduate-level studies in problems of replacement, economic selections, income tax accounting, engineering evaluation and introduction to the problems of depreciation.

ESM 611 3 Credits
Engineering Management-
Accounting (3+0)

Review of accounting principles; industrial accounting, business organization; business finance; emphasis on use of data in management rather than its generation.

ESM 612 3 Credits
Engineering Management-
Finance (3+0)

Development of ability to seek out needed information, analyze it, and make recommendations over a wide range of managerial problems involving fiscal matters; cases involving capital acquisitions, profit maximization, methods improvement, pricing, modification of controls, and other management problems.

ESM 613 3 Credits
Engineering Management-
Personnel (3+0)

Human element in management; labor relations, human relations, personnel administration, industrial psychology, employee relations, and labor economics from the viewpoint of needs of a manager.

ESM 621 3 Credits
Operations Research (3+0)

Mathematical techniques for aiding managerial decision-making. Waiting line theory, inventory models, linear programming, transportation problems, dynamic programming, PERT/CPM, machine scheduling, and simulation. Emphasis on application of techniques to actual management situations.

ESM 623 3 Credits
Computer Programming for
Engineering Managers (3+0)

A course in basic FORTRAN programming, with applications to engineering and science management problems.

ESM 691 Credits Arr.
ESM 692 Credits Arr.
Seminar

ESM 684 Credits Arr.
Project

Individual study of an actual engineering or science management problem, resulting in a report which includes recommendations for action.

ESM 693 Credits Arr.
Special Topics in
Engineering Law

A course devoted to those aspects of law specifically related to engineering and engineering management. Contracts, specifications, agency, business organization, labor, real property.

SOCIOLOGY

Soc. 251 3 Credits

Introductory Statistics for
Behavioral Sciences (3+0)
 (Same as Psy. 251)

Introduction to the purposes and procedures of statistics; calculating methods for the description of groups (data reduction) and for simple inferences about groups and differences between group means. (Prerequisite: Soc. 101.)

Soc. 302 3 Credits

Social Psychology (3+0)
 (Same as Psy. 302)

An analysis of inter-group relationships in terms of process and value orientation, their influences on the personality, and the various aspects of collective behavior on group and person. (Prerequisites: Psy. 201 and/or Soc. 101, 102.)

Soc. 304 3 Credits

Culture and Personality (3+0)

An examination of cultural value systems and social institutions as they bear on the formation of personality. Types of behavior patterns relevant to personality formation. (Prerequisites: Soc. 101, 102.)

Soc. 307 3 Credits

Population Problems (3+0)

The demographic structure of population and its implications. (Prerequisite: Soc. 101.)

Soc. 309 3 Credits

Urban Sociology (3+0)

Growth and development of urban communities with reference to migration patterns, differentiation of functions, ecological patterns of land use, social control, secondary group associations of metropolitan magnitude. (Prerequisites: Soc. 101, 102.)

Soc. 310 3 Credits

Sociology of Later Life (3+0)

A comparative analysis of the social status and role of the aging in various societies with

emphasis on problems of aging in contemporary U.S. (Prerequisites: Soc. 101, 102.)

Soc. 333 3 Credits

Social Welfare as a
Social Institution (3+0)

Historical development and survey of social services and social work practice as these affect human needs: economic security, child welfare, family service programs, health agencies, correctional agencies, community organization programs. (Prerequisites: Soc. 101, 102, 201.)

Soc. 336 3 Credits

Social Work Methods (3+0)

The scope and principles of modern social work. Description of the three major methods of social work; casework, group work, and community organization. Preparation for further study in the field and for preliminary work in it. (Prerequisites: Psy. 101, Soc. 333, or permission of the instructor.)

Soc. 343 3 Credits

Sociology of Deviant Behavior
(3+0)

A study of the social etiology of deviant behavior, both criminal and noncriminal with an emphasis on the nature of group interaction, and an examination of the institutions involved. (Prerequisites: Soc. 101, 102.)

Soc. 345 3 Credits

Sociology of Education (3+0)
 (Same as Ed. 345)

Impact of culture on schools. Examination of contemporary social trends and relationships among church, school, government, and family. (Prerequisite: Soc. 101.)

Soc. 347 3 Credits

Sociology of Religion (3+0)

The study of the historical development and functional significance of religion, values, and forms of institutions, groups and reform movements and their influence on social organization. (Prerequisites: Soc. 101, 102.)

Soc. 363 3 Credits

Social Stratification (3+0)

The study of the differential distribution of social power, privilege and life chances in class and caste as the basis for social organization. Emphasis on occupational, educational and other correlates which determine social structure. (Prerequisites: Soc. 101, 102.)

Soc. 383 3 Credits**Field Observation
(To be Arranged)**

Introduction to the services of community agencies to provide a better understanding of the role and programs of social agencies and their services. It is designed to assess the students' interest in and motivation for a career in the social services. The serious student can obtain credit for two semesters work in this course. Four to six hours a week in approved social agencies. (Prerequisites: Soc. 336 or concurrently with Soc. 336 and permission of the instructor.)

Soc. 402 3 Credits**Theories of Sociology (3+0)**

Major sociological theories and theorists of Western civilization; review of important contributions and approaches of various "national schools" with emphasis on current American and European trends. (Prerequisite: Psy. 302 or Soc. 302.)

Soc. 405 3 Credits**Social Change (3+0)**

Social change in long-time perspective, with emphasis on social movements and the influence of technology. (Prerequisites: Soc. 101, 102.)

Soc. 406 3 Credits**Human Ecology (3+0)**

Modern industrial and centralized society; institutional structure of community life - political, economic, religious - with reference to internal structure and external sources of control and domination, with some emphasis on the nature of ruralism. (Prerequisites: Soc. 101, 102.)

Soc. 407 3 Credits**Formal Organizations (3+0)**

Theory and analysis of large-scale, complex, modern organizations, their coordination, role and status inter-relationships, and their publics. (Prerequisite: Soc. 101.)

Soc. 408 3 Credits**American Minority Groups (3+0)**

Present status of ethnic, religious and national minorities and their changing sociological, economic, and political status.

Soc. 473 3 Credits**Social Science Research Methods (3+0)
(Same as Psy. 473)**

Techniques of social research; sampling, questionnaire construction, interviewing and

data analysis in surveys; field and laboratory experiments; attitude scaling. (Prerequisite: Psy. 251 or Soc. 251.)

Soc. 492 3 Credits**Seminar in Human Behavior (2+0)**

Integrated behavioral approach emphasizing the major sociological and psychological theories with special attention to current literature. (Prerequisite: senior standing in psychology or sociology.)

Soc. 493 Credits Arr.**Soc. 494 Credits Arr.****Special Topics**

Various subjects. (Admission by arrangement.)

SPEECH COMMUNICATION**Sp.C.351 3 Credits****Argumentation and Debate (3+0)**

Theory of argumentation and debate applied to contemporary issues. Practice in briefing and presenting arguments, testing evidence, and detecting fallacies.

Sp.C.361 3 Credits**Oral Interpretation (2+2)**

Interpretative reading based on textual analysis of literary forms and careful study of principles of effective reading. (Prerequisite: Sp.C. 111 or admission by arrangement.)

Sp.C.493 Credits Arr.**Sp.C.494 Credits Arr.****Special Topics**

Various subjects. (Admission by arrangement. Offered as demand warrants.)

REGISTERS

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The Regents of the University of Alaska are appointed by the Governor and are confirmed by the Legislature.

- WILLIAM A. O'NEILL, President, Anchorage, 1948-1973
- ROBERT E. McFARLAND, Vice President, Anchorage, 1963-1979
- VIDE G. BARTLETT, Secretary, Fairbanks, 1971-1979
- HUGH B. FATE, JR., Treasurer, Fairbanks, 1969-1977
- EDITH R. BULLOCK, Anchorage, 1967-1975
- JAMES NOLAN, Wrangell, 1967-1973
- A. D. ROBERTSON, Ketchikan, 1967-1975
- BRIAN J. BRUNDIN, Anchorage, 1969-1977
- WILLIAM R. WOOD, President of the University, Ex-Officio Member

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- JEROLD G. SORENSEN, M.A., Director, University Relations
- HAROLD A. BYRD, B.B.A., Executive Director, Budget Development and Legal Affairs
- DONALD C. MOYER, Ph.D., Executive Director of Planning and Institutional Studies

UNIVERSITY OF ALASKA, ANCHORAGE CITIZENS ADVISORY COMMITTEE

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RUDOLPH BURNEY
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JOHN O'SHEA
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DON SPIVEY
WILLIAM VAUDRIN
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*Additional members will be nominated during the academic year.

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| DR. ROBERT S. HAGE, Coordinator of Academic Programs. | F. STANLEY VAUGHN, Business Manager |
| O. THOMAS BEIRNE, Director of External Affairs | DR. LOUIS C. WHITMORE, Director of Student Services |
| MYRON MICKEY, Director of Admissions and Registrar. | JACK W. O'BAR, Director of the Regional Library and Instructional Materials Center |
| MRS. MARY P. LEONARD, Assistant Director for Evaluations | DR. HARRY H. POST, Acting Executive Secretary, Center for Alcoholism and Addictions Studies |

SENIOR COLLEGE

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| DR. JAMES R. WILSON, Head, Division of Arts and Letters | DR. JOHN M. HILPERT, Head, Division of Mathematics, Science and Engineering |
| DR. HARRY H. POST, Head, Division of Behavioral Sciences | EUGENE W. LAURENT, Director of the Evening Program |
| DR. DEAN F. OLSON, Head, Division of Economics, Business, and Public Administration | GLADYS RECKLEY, Communications Coordinator |

ACADEMIC FACULTY

Full-Time

- Aertker, Samuel R - Assistant Professor of Business Administration. University of California, B.A., '57; University of Washington, M.B.A., '70.
- Brosamer, James - Assistant Professor of English. Seattle University, B.A., '63; University of California, M.A., '66; University of Oregon, D.A., '70.
- Bruce, Richard L. - Associate Professor of Psychology. Whitman College, B.A., '60; Claremont Graduate School, M.A., '63; Claremont Graduate School, Ph.D., '67.
- Byrd, L. Brian - Assistant Professor of English. University of Miami, A.B., '48; George Peabody College, M.A., '51; University of Colorado, Ph.D., '69.
- DeSautel, Rodney A. - Instructor of Education. University of North Dakota, B.S., '68; University of North Dakota, M.Ed., '69.
- Doyle, Marie C. - Associate Professor of Psychology. University of Utah, B.A., '50; University of Utah, Ph.D., '61.
- Eaton, Eugene D. - Assistant Professor of Economics. University of Colorado, B.A., '65; University of Colorado, M.A., '67; University of Colorado, Ph.D., '71.
- Gaedeke, Ralph - Associate Professor of Business Administration and Marketing. University of Washington, B.A., '64; University of Washington, M.A., '65; University of Washington, D.B.A., '69.
- Hage, Robert S. - Regional Coordinator of Academic Programs, Professor of Education. St. Olaf College, B.A., '47; University of Iowa, M.A., '49; University of Iowa, Ph.D., '54.
- Hanni, Blaine - Associate Professor of Education. Central Washington State, B.A., '57; University of Utah, M.S., '62; University of Oregon, Ed.D., '65.
- Henry, Nancy - Assistant Professor of Education. Carson Newman College, B.A., '57; University of North Dakota, B.S., '65; University of Alaska, M.Ed., '69.
- Hilpert, John - Head, Division of Mathematics, Science and Engineering, Professor of Engineering Management. Oregon State University, B.S., '38; George Washington University, M.A., '47; University of Iowa, Ph.D., '56.
- Hotchkiss, James - Associate Professor of Education. University of Wichita, B.A., '53; University of Southern California, Ph.D., '66.
- Hunt, Clifford - Associate Professor of Psychology. University of Southern California, A.B., '49; University of Southern California, M.S., '52; University of Southern California, Ph.D., '66.
- Madigan, Robert J. - Assistant Professor of Psychology. Seattle University, B.S., '66; U.C.L.A., M.S., '68; U.C.L.A., Ph.D., '70.
- Martin, Merle - Associate Professor of Business Administration. University of California, B.S., '58; Stanford University, M.S., '64.
- McDermott, Donald F. - Assistant Professor of Education. St. John's College, B.A.; University of Portland, M.A.; University of Portland, Ph.D., '70.
- Morgan, Roberta A. - Assistant Professor of Education. University of Alaska, B.A., '66; Arizona State University, M.A., '72.
- Olson, Dean F. - Head, Division of Economics, Business and Public Administration, Assistant Professor of Business Administration. University of Washington, B.A., '64; University of Washington, M.A., '65; University of Washington, D.B.A., '68.
- Orsini, Joseph L. - Assistant Professor of Engineering Management. Princeton University, B.S., '53; University of Alaska, M.S., '64; Sacramento State College, B.A., '70; University of Alaska, M.B.A., '72.
- Peterson, W. Jack - Associate Professor of Sociology. Washington State University, B.A., '53; Washington State University, M.A., '55; Cornell University, Ph.D., '71.

- Post, Harry H. - Head, Division of Behavioral Sciences, Associate Professor of Psychology. Drew University, A.B., '52; New Jersey State College, M.A., '59; Boston University, Ed.D., '69.
- Sexton, Thomas F. - Assistant Professor of English. Salem State College, B.A., '68; University of Alaska, M.F.A., '70.
- Stickney, Roland F. - Head, Division of Education, Associate Professor of Education. Plymouth Teachers' College, B.Ed., '54; Boston University, M.Ed., '54; Boston University, Ed.D., '66.
- Sullivan, Troy G. - Associate Professor of Education. North Texas State Teachers' College, B.S., '48; North Texas State Teachers' College, M.S., '50; North Texas State Teachers' College, Ed.D., '65.
- Weinrich, John E. - Professor of Business Administration and Economics. Harvard University, B.S., '48; London School of Economics, M.Sc., '50; University of London, Ph.D., '63.
- Wilson, James - Head, Division of Arts and Letters, Professor of English. University of Tulsa, B.A., '47; University of Tulsa, M.A., '49; University of Oklahoma, Ph.D., '53.
- Wolfe, Wendell W. - Dean, Anchorage Senior College, Associate Professor of Education. North Texas State University, B.S., '48; Texas College of Arts and Industries, M.S., '52; University of Texas, Ph.D., '65.

ACADEMIC FACULTY

Part-Time

- Anderson, Richard D. - Lecturer, Special Education, University of Washington, B.A., '59; University of Washington, M.Ed., '68; University of Oregon, Ph.D., '70.
- Arai, Tsuguo - Assistant Professor of History and Japanese, Alaska Methodist University. Kwansai Gakuin University, B.A., '60; Kwansai Gakuin University, M.A., '62.
- Arnold, David E. - Lecturer, Sociology. St. Martin's College, B.A., '61; Pacific Lutheran University, M.A., '68.
- Beirne, O. Thomas - Director of External Affairs, Assistant Professor of English and Journalism. King's College, B.A., '51; Colgate University, M.A., '61.
- Bennett, F. Lawrence - Associate Professor of Engineering Management. Rensselaer Polytechnic Institute, B.C.E., '61; Cornell University, M.S., '63; Cornell University, Ph.D., '66.
- Biondich, George P. - Lecturer, History. Colorado State College, A.B., '52; Colorado State College, M.A., '57.
- Bissey, Larry J. - Lecturer, Psychology. University of Florida, B.S. (B.A.), '65; University of Florida, M.R.C., '66.
- Blewett, Peter W. - Assistant Professor of History and French. Willamette University, B.A., '61; John Hopkins University, M.A., '64.
- Bloom, Joseph D. - Lecturer, Psychology. Columbia College, A.B., '58; Albert Einstein College of Medicine, M.D., '62.
- Blunck, Alma J. - Lecturer, Special Education. University of Alaska, B.Ed., '56; University of Alaska, M.Ed., '60.
- Bromley, Dennis D. - Lecturer, Environmental Education. Grand Rapids Junior College, A.S., '62; Michigan State University, B.S., '65; University of Michigan, M.S., '67; University of Michigan, M.S., '68.
- Bryant, Henry G. - Lecturer, Education. University of Nevada, B.A., '39; University of North Dakota, M.Ed., '58.
- Buffler, Richard T. - Associate Professor of Geology, Sea Grant Program. University of Texas, B.S., '59; University of California, Ph.D., '67.
- Burke, Jon F. - Lecturer, Psychology. Alaska Methodist University, B.A., '64; University of Oregon, M.A., '68; University of Oregon, Ph.D., '70.

- Collins, Gail H. - Lecturer, Education. Albion College, B.A., '65; Temple University, M.Ed., '68.
- Conway, Victor C. - Lecturer, Political Science. University of California, B.A., '49; George Washington University, M.A., '63.
- Dalton, Clair - Lecturer, Business Administration. Washington State University, B.A., '66; University of Washington, M.B.A., '68
- Darby, Theodore F. - Lecturer, Education. St. Cloud State College, B.S., '49; Indiana State College, M.S., '51; University of Massachusetts, M.Ed., '68.
- Decker, Charles - Lecturer, Business Administration. University of California, B.S., '49; University of Colorado, M.P.A., '70.
- Derks, James I. - Lecturer, Mathematics. Western Illinois University, B.S., '62; Northwestern University, M.A., '66.
- Diemer, Edward D. - Lecturer, Mathematics. St. Louis University, B.S., '55; St. Louis University, M.S., '60; St. Louis University, Ph.D., '65.
- Ehling, Dewey W. - Instructor of Music. Bethany College, B.A., '50; University of Alaska, M.A., '69.
- Eiles, Richard R. - Lecturer, Psychology. University of Redlands, B.A., '60; University of Oregon, M.S., '62; Arizona State University, Ph.D., '70.
- Frederick, Robert A. - Professor of History, Alaska Methodist University. Hanover College, A.B., '50; Indiana University, M.S., '51; Indiana University, Ph.D., '60.
- Frey, Lucille P. - Lecturer, Education. Southwest Missouri State, B.S., '56; University of Missouri, M.A., '63.
- Fridley, Don E. - Lecturer, Education. University of Idaho, B.S., '33; University of Idaho, M.S., '34.
- Governale, Nicholas P. - Lecturer, Psychology. Immaculate Conception College, B.A., '55; Immaculate Conception College, B.D., '59; University of Alaska, M.S., '71.
- Green, Margaret - Lecturer, Education. Columbia University, B.A., '44; Columbia University, M.A., '45.
- Hall, Robert E. - Lecturer, Education. Western Washington State College, B.A., '38; University of Alaska, M.Ed., '59.
- Hanke, Amala - Lecturer, English. Free University of Berlin, B.A., '65; University of Texas, M.A., '68.
- Hardwick, Bettie - Lecturer, Education. East Central State College, B.S., '58; East Central State College, M.T., '60; University of California, Ed.D., '70.
- Haycox, Stephen W. - Assistant Professor of History. Seattle University, B.A., '66; University of Oregon, M.A., '67; University of Oregon, Ph.D., '71.
- Heimbuch, Floyd - Lecturer, Education. Chadron State College, B.S., '51; Chadron State College, M.A., '61; University of Texas, Ph.D., '67.
- Hotchkiss, Mary Jo - Lecturer, Special Education. Mills College, B.A., '61; University of Oregon, M.A., '72.
- Irany, James - Assistant Professor of Sociology. Wisconsin State College, B.S.C., '53; University of Wisconsin, M.S.W., '56.
- Janneck, H.F. - Consortium Director, Lecturer in Education. North Dakota State University, B.S., '53; South Dakota State University, M.S., '58; University of Minnesota, Ed.D., '69.
- Johansen, Nils I. - Assistant Professor of Geological Engineering. Purdue University, B.S.C.E., '66; Purdue University, M.S.C.E., '67; Purdue University, Ph.D., '71.
- Johnson, Llewelyn R. - Lecturer, Political Science. University of Wisconsin, B.A., '53; University of Wisconsin, J.D., '57.
- Johnson, Paul D. - Lecturer, Business Administration. College of St. Thomas, B.A., '65; University of North Dakota, M.S., '71.
- Kapp, David Henry - Lecturer, Mathematics. Washington State College, B.S., '59; University of South Dakota, M.N.S., '69.

- Kenworthy, Betsey G. - Lecturer, Education. Earlham College, B.A., '62; Boston University, M.Ed., '64.
- Kenyon, Robert A.II - Lecturer, Sociology. Colorado University, B.A., '56; Colorado University, M.A., '65.
- Kerr, Paul - Lecturer, Geography. Middle Tennessee State, B.S., '49; George Peabody College for Teachers, M.S., '50.
- Kitchell, Lawrence R. - Lecturer, Business Administration. University of Oklahoma, B.B.A., '67; Ohio State University, M.B.A., '69.
- Koutsky, Carl D. - Lecturer, Psychology. University of Nebraska, M.D., '47.
- Kufel, Frank J. - Lecturer, Anthropology. University of Buffalo, B.A., '59; University of Buffalo, M.Ed., '60; State University of New York, Ed. Spec., '66.
- Lamborn, David G. - Instructor in Mathematics. University of Iowa, B.A., '63; University of Iowa, M.S., '66.
- Laurent, Eugene - Director of Evening Program, Associate Professor of History. Wisconsin State Teachers College, B.S., '40; University of New Mexico, M.A., '47.
- Lethcoe, Nancy - Lecturer, Philosophy. University of Washington, B.A., '62; University of Wisconsin, M.A., '67; University of Wisconsin, Ph.D., '67.
- Lundell, Glenn Hollis - Lecturer, Business Administration. University of Southern California, A.B., '47; University of Southern California, M.B.A., '63.
- Magowan, James L. - Lecturer, Education, P.E. New York State University, B.S., '62; University of Pittsburgh, M.Ed., '64.
- McCaughan, William T. - Lecturer, Education. Abilene Christian College, B.Ed., '62; Abilene Christian College, M.Ed., '65.
- Mendenhall, William W., Jr. - Professor of Civil Engineering. Cornell University, B.C.E., '49; Cornell University, M.S., '60.
- Mickey, Myron - Registrar, Lecturer, Business Administration. University of Washington, B.A., '63; Seattle University, M.S., '60.
- Mollerstrom, Willard W. - Lecturer, Sociology. Mt. Angel College, B.A., '67; Michigan State University, M.S.W., '69.
- Munson, Lloyd M. - Lecturer, Accounting. University of Utah, B.S., '54; Michigan State University, M.B.A., '69.
- Murray, Robert L. - Lecturer, Accounting. University of Oklahoma, B.B.A., '69; University of Oklahoma, M.B.A., '70; University of Oklahoma, C.P.A., '70.
- Murton, Margaret E. - Lecturer, Education and Psychology. Eastern New Mexico University, B.A., '51; University of Alaska, M.S., '69.
- Nelson, John D. - Lecturer, History. University of Utah, B.A., '64.
- Nichols, Janis - Assistant Professor of Biology. Colorado State University, B.S., '58; Colorado State University, M.S., '62; University of New Mexico, Ph.D., '68.
- Ohlson, Ronald - Lecturer, Psychology. University of Colorado, B.A., '58; Princeton Seminary, B.D., '62; Fuller Graduate School, Ph.D., '70.
- Owen, Kenneth A., Jr. - Lecturer, Business Administration. Princeton University, B.A., '66; Harvard Graduate School, M.B.A., '71.
- Owens, Thomas P., Jr. - Lecturer, Business Administration. U.S. Air Force Academy, B.S., '61; Duke University, L.L.B., '65.
- Pace, Lawrence - Lecturer, Political Science. San Francisco State College, B.A., '67; Southern Illinois University, M.S., '70.
- Parker, E. Mari - Lecturer, Education. Northwestern State College of Louisiana, B.A., '54; Northwestern State College of Louisiana, M.A., '59; University of Alabama, D.Ed., '70.
- Parker, Gordon A., Sr. - Lecturer, Education. Louisiana State University, B.S., '51; Northwestern State College of Louisiana, M.A., '60; University of Alabama, D.Ed., '70.
- Putnam, Donald E. - Lecturer, Education. University of Washington, B.A., '57; San Francisco State College, M.A., '62.

- Pyle, Randolph - Lecturer, Political Science.. Harvard University, B.A., '65; University of Pennsylvania, M.A., '67.
- Rice, Elbert F. - Professor of Civil Engineering. University of Idaho, B.S., '48; Oregon State College, M.S., '49; Oregon State College, Ph.D., '55.
- Rindahl, Milton D. - Lecturer, Mathematics. North Dakota State University, B.S., '59; Purdue University, M.S., '64.
- Schuster, E. J. E. - Assistant Professor of Sociology. Alaska Methodist University, B.A., '67; University of Oregon, M.A., '68; University of Oregon, Ph.D., '70.
- Seppi, Russell W. - Lecturer, History. Northern Michigan University, B.S., '57; University of Wyoming, M.Ed., '65.
- Shapiro, Lewis H. - Assistant Professor of Geology, Geophysical Institute. South Dakota School of Mines and Technology, B.S., '62; University of Minnesota, Ph.D., '71.
- Shields, Jack R. - Lecturer, Education. Stanford University, B.S., '62; Northwestern University, M.Ed., '68.
- Smith, Eugene R. - Counselor. University of Utah, B.S., '52; Trinity University of Texas, M.S., '62.
- Spartz, George P. - Associate Professor of Sociology. Montana State University, B.A., '50; University of Utah, M.S.W., '52.
- Stark, Douglas A. - Distinguished Lecturer. Stanford University, B.S., '58; University of Southern California, M.B.A., '64; University of Southern California, M.P.A., '68; University of Southern California, D.P.A., '69.
- Stonefeld, Donald - Lecturer, Psychology. Ohio State, B.S., '58; George Washington University, M.D., '65.
- Sullivan, Daniel - Lecturer, Mathematics. University of Maine, B.A., '51; University of Maine, M.Ed., '59.
- Sutherland, James E. - Lecturer, Mathematics. University of Alaska, B.A., '70; University of Alaska, M.S., '71.
- Swartzmeyer, Elmer - Lecturer, Business Administration. Oklahoma State, B.S., '64; Texas A & M, M.C.S., '70.
- Stewart, Tommy L. - Lecturer, Education. North Texas State University, B.S., '56; North Texas State University, M.Ed., '60.
- Stowell, Anna Buss - Assistant Professor of German and French. University of Minnesota, B.A., '27; University of Minnesota, M.S., '28.
- Tolzin, Keith W. - Lecturer, Special Education. Augustana College, B.A., '64; Utah State University, M.S., '70.
- Tomco, Ed. A. - Lecturer, Education. Western Washington College, B.A., '54; Western Washington College, M.Ed., '61.
- Tunley, Arthur T. - Lecturer, Mathematics. University of Alaska, B.S., '55; Stanford University, M.S., '60.
- Villesvik, Linda - Lecturer, Psychology. University of Denver, B.F.A., '58; University of Alaska, M.S., '69.
- Walker, Will - Lecturer, Education. Southwestern College, B.A., '51; University of Alaska, M.Ed., '69; University of Tennessee, Ed.S., '70.
- Weed, Roger O. - Lecturer, Sociology. University of Oregon, B.S., '67; University of Oregon, M.S., '69.
- Weiner, Ann Dawe - Lecturer, Education. Midland College, B.A., '43; University of Nebraska, M.A., '52; University of Nebraska, Ed.D., '55.
- Weismann, Thomas - Lecturer, Mathematics. St Cloud State College, B.S., '63; University of Minnesota, M.S., '66.
- Windeler, Leon A. - Lecturer, Education. Rutgers University, B.S., '34; University of Alaska, M.Ed., '58.
- Woerner, H. Charles - Lecturer, Business Administration. University of North Carolina, B.S., '63; University of North Carolina, L.L.B., '66.
- Wolf, Aron S. - Lecturer, Psychology. Dartmouth College, B.A., '59; University of Maryland, M.D., '63.
- Wright, Vickie - Lecturer, English. New York State, B.S., '68; New York State, M.S., '70.

CREDITS

Catalog editor, Gladys Reckley
Photographs, Scott Loll and Gladys Reckley