Lewis & Clark welcomes as graduate degree and certification candidates those individuals who are ready to test their full intellectual potential, accept responsibility for the quality of their graduate study, and contribute to the expanding horizons of human knowledge in their chosen fields. Graduate study embodies an intense commitment to higher education.

Lewis & Clark’s master’s programs seek to extend our knowledge of administration, music, counseling psychology, and education. Given this orientation, the college draws together personal and physical resources to enable master’s students to pursue and achieve a new sense of professionalism within their roles in the public, private, and nonprofit sectors of our society.

Dedicated to developing the greatest potential of each student, our faculty bring diverse, expert knowledge to their classrooms. Their first priorities are their students and their teaching. They underscore this central purpose by expanding their own knowledge through ongoing research, writing, and contributions to their professions. Each of the graduate programs at Lewis & Clark expects that students will bring similar commitments and energies to their chosen fields. Students find here a strongly personal environment that encourages, even requires, that they take optimum advantage of the resources available. In doing so, they are expected to learn from and challenge each other, as well as their instructors.

Lewis & Clark presents some unique opportunities. The graduate curriculum presents a range of programs and specializations for administrators, counselors, musicians, psychologists, and educators with diverse interests and needs. In addition, the college affords individuals rare opportunities to cross traditional boundaries. Students may draw together elements of several curricula and create very personal programs of study.

Since master’s study is a serious undertaking, degree or certification requirements, policies, and other standards exist to ensure that programs are rigorous and respected. Changing needs and environments produce adjustments which reflect the continuing search for higher levels of quality. Students, faculty, and staff are engaged in this common endeavor.

Graduate Degree Programs
Lewis & Clark currently enrolls 1,200 students in its graduate division. The college conferred its first degree—Master of Education for teachers—in 1948. Since then it has added masters programs in music, music education, special education/hearing-impaired, counseling psychology, school psychology, and public administration. Degrees now focus on eleven fields, and students may pursue nondegree certification in eight specializations.

(M.A.), for students who wish to become mental health counselors in a variety of community service settings. A specialization in school counseling is available for students seeking endorsement as school counselors in Oregon.

Master of Science in Counseling Psychology (M.S.), for students who have demonstrated interest and potential in psychological research and who ultimately wish to pursue advanced graduate training.

Master of Science in School Psychology (M.S.), for students seeking endorsement as school psychologists in Oregon.

Master of Arts in Teaching (M.A.T.), for elementary or secondary school teachers seeking standard teaching certification (fifth year). A specialization in liberal studies is available for elementary and secondary teachers not seeking advanced teacher certification.

Master of Music Education (M.M.E.), for elementary and secondary teachers specializing in music instruction.

Master of Music (M.M.) in Performance or Composition.

Master of Public Administration (M.P.A.), for mid-career officials in government, nonprofit organizations, and private industry.

Master of Education (M.Ed.) in Special Education—Hearing Impaired, for elementary and secondary teachers of hearing impaired children.

Graduate Nondegree Programs
Four nondegree graduate programs are available to students interested in teaching certificates or subject matter endorsements. See Master of Arts in Teaching section for details.

Basic and Standard Administrative Certification programs are available to students seeking vice-principal, principal, or superintendent endorsement. See Educational Administration section for details.

A specialization program in school psychology is available to students seeking Oregon endorsement in school psychology who already hold a master’s degree in a related field. See Counsel-
The master's degree and certification programs in counseling psychology are designed to prepare highly qualified mental health professionals in counseling, school counseling, and school psychology for employment in schools and in the community. Curricular options also exist for those professionals who would like to concentrate on research and ultimately pursue a doctoral degree.

All programs are individually tailored to the student and include the possibility of cross-discipline work in law, administration, education, and other graduate offerings. Psychology courses are offered primarily in the evening during the academic year, to accommodate the working student.

Coursework responds to the realities faced by mental health professionals: human sexuality, clinical issues with women, drugs and behavior, adult development and gerontological counseling, and other current issues.

Challenging practicum experiences balance academic study. Practicum assignments may include college counseling, women's programs, mental health services, drug or pain clinics, and child and family services. Practicum work is video taped for review and training. The thoroughness of this approach is rewarded by a strong employment demand for Lewis & Clark counseling psychology graduates. All of the program's school psychologists have been placed, as has the majority of counselors.

Faculty
The counseling psychology faculty is composed of five full-time professors and four adjunct professors, the majority of whom are practicing clinicians. Overall, the academic credentials of the staff are exceptional. Their research interests include psychotherapy with substance abusers, psychotherapist of depression interpersonal perception within marital dyads, social skills assessment and training, social judgement, coping strategies in differing family configurations, mid-life transition, religious and sociocultural variables in the psychotherapy process, learning disabilities, assessment procedures, behavior disorders, and the effects of diet on children's behavior. Faculty members encourage student involvement in their research, and the program is particularly well known for its clinical training and rigorous approach to statistics and methodology.

Admission
Complete admissions information and application forms are available by writing or phoning the program director. In general, the admissions requirements for graduate study in counseling psychology are:
1. A baccalaureate degree from an accredited institution. Minimum standards for admission to the Master of Arts program are an 3.75 of Science program requires a 3.0 minimum GPA. Two official transcripts from each institution attended (undergraduate and graduate) must be sent as part of the application. Under special circumstances, students who do not meet the minimum GPA requirements may be admitted on probationary status.
2. Satisfactory scores within the last five years on the Graduate Record Examination Aptitude Test. The advanced test in psychology is not required. Applicants should realize that is a lag of several months between registering for the G.R.E. and receipt of those scores by the college.
3. Completion of the application form including three academic or professional references, a personal statement of philosophy and purpose, and a resume or vita.

Applications must be completed by the college's general admission deadlines for graduate study.

Orientation
For those persons wishing additional information regarding programs or application procedures, optional orientation sessions are held once each term. It is not necessary to sign up in advance for these meetings. They are intended to allow you to meet the faculty and ask questions.

Waivers & Transfers
Students seeking master's degrees may petition to waive courses based on competence or experience. Preparatory courses (501, 502, 503, 504) that are waived need not be replaced. All other required or elective courses that are waived must be replaced.

Students seeking master's degrees may petition to transfer credits from another institution. The maximum transfer allowed to replace program requirements includes all of the preparatory courses plus an additional 15 quarter hours. This restriction on transfers does not apply to those students in school psychology or school counseling certification programs who are not seeking master's degrees.
Master of Arts in Counseling Psychology

This program is designed for students who wish to become mental health counselors in a variety of institutions such as mental health clinics, hospitals, the juvenile justice system, and pastoral or other community service settings.

Degree Requirements
A minimum of 14-1/2 credits distributed as follows.

Required courses:
501 Advanced General Psychology, 1 credit
502 Introduction to Statistics, 1/2 credit
503 Introduction to Counseling Psychology, 1 credit
504 Child and Adolescent Development, 1/2 credit
511 Philosophy and Theory of Counseling Psychology, 1 credit
519 Process and Outcome of Psychotherapy, 1/2 credit
520 Techniques of Counseling, 1/2 credit
525 Introduction to Assessment, 1/2 credit
535 Counseling Psychology Professional Seminar, 1/2 credit
540 Strategies for Behavior Change, 1 credit
542 Career Development and Life Style Counseling, 1 credit
546 Group Counseling, 1 credit
560 Advanced Statistics, 1 credit
574-575 Practicum in Adult Development and Psychopathology I & II, 1 credit
570-571 Practicum in Child and Adolescent Psychology I & II OR 576-577 Practicum in Marriage and Family Counseling I & II, 1 credit

Elective courses:
Select a minimum of 2-1/2 credits of electives.

Master of Arts in Counseling Psychology: School Counseling

This option is required for students seeking endorsement as school counselors in Oregon. The program has been approved by the Oregon Teachers Standards and Practices Commission and the National Council for the Accreditation of Teacher Education.

Eligibility for Basic Certification and Degree Requirements
A minimum of 7 credits distributed as follows.
501 Advanced General Psychology, 1 credit
502 Introduction to Statistics, 1/2 credit
504 Child and Adolescent Development, 1/2 credit
511 Philosophy and Theory of Counseling Psychology, 1 credit
519 Process and Outcome of Psychotherapy, 1/2 credit
520 Techniques of Counseling Psychology, 1/2 credit
542 Career Development and Life Style Counseling, 1 credit
546 Group Counseling, 1 credit
560 Advanced Statistics, 1 credit
570-571 Practicum in Child and Adolescent Psychology I & II, 1 credit
572-573 Practicum in Child and Adolescent Psychology I & II, 1 credit

Eligibility for Standard Certification and Degree Requirements
A minimum of 14 credits distributed as follows.
Required courses:
501 Advanced General Psychology, 1 credit
502 Introduction to Statistics, 1/2 credit
503 Introduction to Counseling Psychology, 1 credit
504 Child and Adolescent Development, 1/2 credit
511 Philosophy and Theory of Counseling Psychology, 1 credit
519 Process and Outcome of Psychotherapy, 1/2 credit
520 Techniques of Counseling Psychology, 1/2 credit
521 Program Planning and Evaluation, 1/2 credit
524 Psychoeducational Assessment, 1/2 credit
530 Professional Seminar in School Counseling I, 1/2 credit
531 Professional Seminar in School Counseling II, 1/2 credit
540 Strategies for Behavior Change, 1 credit
542 Career Development and Life Style Counseling, 1 credit
545 The Psychology of Exceptional Children, 1 credit
546 Group Counseling, 1 credit
547 Family Counseling, 1/2 credit
570-571 Practicum in Child and Adolescent Psychology I & II, 1 credit
572-573 Practicum in School Counseling I & II, 1 credit

Elective courses:
Select a minimum of 1/2 credit of electives.

Master of Science in Counseling Psychology

This curriculum is designed for students who have demonstrated interest and potential in psychological research and who ultimately wish to pursue a doctorate in psychology. Students in this curriculum are encouraged to select a thesis advisor early in the program (within the first term of enrollment, if possible) who will then help them select their courses and thesis area. The thesis is a large part of the program and students should begin to think about it early in their graduate careers.

Degree Requirements
A minimum of 15 credits distributed as follows.
Required courses:
501 Advanced General Psychology, 1 credit
511 Philosophy and Theory of Counseling Psychology, 1 credit
519 Process and Outcome of Psychotherapy, 1/2 credit
520 Techniques of Counseling Psychology, 1/2 credit
525 Introduction to Assessment, 1/2 credit
535 Counseling Psychology Professional Seminar, 1/2 credit
560 Advanced Statistics, 1 credit
561 Research Design I, 1 credit
562 Research Design II, 1 credit
563 Research Seminar, 1/2 credit

COUNSELING PSYCH

570-571 Practicum in Child and Adolescent Psychology I & II OR 576-577 Practicum in Marriage and Family Counseling I & II, 1 credit
595 Master's Thesis Research, 1 credit per term for three terms. Should be taken concurrently with practicum.
Elective courses:
Select 2-1/2 credits of advanced clinical electives with advisor's approval.

Master of Science in School Psychology
Students may enter the program in school psychology with or without previous graduate training. Students who have had little or no related graduate work may earn a Master of Science in school psychology. Students who enter the program with a master's degree in a related graduate field may complete a specialization without the course work necessary for a new master's degree. Transcripts of previous graduate work will be evaluated by a faculty committee to determine the amount and kind of credit a student will receive toward the requirements of the Lewis & Clark program in school psychology.

Degree Requirements
A minimum of 18 credits distributed as follows.
Required courses:
501 Advanced General Psychology, 1 credit
504 Child and Adolescent Development, 1/2 credit
511 Philosophy and Theory of Counseling Psychology, 1 credit
520 Techniques of Counseling Psychology, 1/2 credit
521 Program Planning and Evaluation, 1/2 credit
524 Psychoeducational Assessment, 1/2 credit
545 Psychology of Exceptional Children, 1 credit
561 Research Design I, 1 credit
567 Learning Disabilities, 1/2 credit
570-571 Practicum in Child and Adolescent Psychology I & II, 1 credit
578-579 Internship in School Psychology I & II, 3 credits
580 Intellectual Assessment, 1 credit
581 Personality Assessment, 1/2 credit
582 Advanced Assessment of Exceptional Children, 1 credit

Elective courses:
Select two courses for a minimum of 1-1/3 credits from the content areas of learning Problems and Exceptionality and/or Consultation.

Curriculum
Note: Courses designated by an * are open to nondegree students on a space available basis and with the consent of the instructor.

501*
Advanced General Psychology

502*
Introduction to Statistics
Meyer
The basic principles of experimental design and hypothesis testing. Students will examine concepts of frequency distribution and central tendency and measures of variability. Consideration will also be given to descriptive and inferential statistics, and students will gain an introductory understanding and facility with computer applications.

503*
Introduction to Counseling Psychology
McIlroy
The basic concepts of counseling psychology and practice in applying those concepts in counseling situations in class. Emphasis will be on conditions for an effective helping relationship, intrapersonal and interpersonal responsibility, self-disclosure, feedback, and basic concepts from major counseling theories.

504*
Child and Adolescent Development
Staff
The psychological, social, and physical development of children and adolescents. Research and practice of childrearing, learning, socialization, problem behavior, and behavior change techniques will be examined. Other topics include school problems and interventions, nutrition, social skill training, naturalistic assessment, and developmental theories.

511
Philosophy and Theory of Counseling Psychology
McIlroy
Several major counseling theories (existential, logotherapy, client-centered, gestalt, rational-emotive, behavioral, psychoanalytic). Emphasis will be on clarifying personal philosophical and theoretical views and on developing a balanced counseling view for practical application and implementation of therapeutic techniques. Prerequisites: PSY 501, 503.

512*
Values and Counseling
Program
McIlroy
Belief and value systems that are held by individuals and pertain to the counseling situation. Topics are drawn from philosophy, religion, and psychology and concern questions of the nature of self, self-acceptance, self-transformation, and the individual's relation to the universal. Prerequisite: PSY 503.

519
Process and Outcome of Psychology
Staff
group setting. Students will explore their own personalities in order to become more effective counselors. Students will also become familiar with the research literature regarding the effectiveness of psychotherapy in general and the relationship between particular counseling techniques and outcomes for specific client populations. Prerequisite: PSY 503.

520
Techniques of Counseling Psychology
Staff
Facilitative communication in helping relationships. Developing mastery of skills necessary to communicate respect, genuineness, and understanding, and the ability to begin focused problem solving will be emphasized. Theoretical, constructivist helping relationships will be examined. Students will be encouraged to articulate the relationships between their theoretical perspectives and their personal assumptions about the conditions necessary for effective counseling. Methods of intervention for purposes of prevention will also be considered. Prerequisite: PSY 503.

521*
Program Planning and Evaluation
Staff
The application of scientific methodology to the identification, description, conceptualization, and assessment of those variables which are crucial to the effective delivery of human services. Topics covered will be evaluation of intervention strategies, evaluation of agency effectiveness, legal and ethical issues, and inter-agency problems in the development and implementation of evaluation procedures. Prerequisite: PSY 502 recommended.

524*
Psychological Assessment
Staff
Theory, techniques, and contemporary issues regarding intellectual and personality assessment. The course will involve lecture, discussion and practice experiences which focus on the use of specific assessment devices and procedures in the school setting, methods for the development and implementation of psychological recommendations, and professional ethics. Prerequisite: PSY 502 recommended.

525
Introduction to Assessment
Lindblom
Basic theoretical and factual evidence regarding the use of standardized tests. Included are topics related to reliability and validity and a survey of intelligence, personality, career, and interest tests and newer means of assessing competence and person-situation interactions. Prerequisite: PSY 502.

530*
School Counseling Professional Seminar I
Staff
Several important professional concerns and issues that students will confront in the role of the school counselor. Attention will be given to the development of writing skills needed in community settings. Prerequisite: PSY 501.

531*
School Counseling Professional Seminar II
Staff
Continuation of topics considered in the first part of this sequence. Prerequisite: PSY 530.

535
Counseling Psychology Professional Seminar
Weber
A forum for considering issues which confront the professional in an agency setting. Issues include legal and ethical issues, community resources and referral, program administration, and crisis intervention. Attention will also be given to the development of writing skills needed in community settings. Prerequisite: PSY 511.

540
Strategies for Behavior Change
Lindblom
Strategies for overcoming self-defeating behavior and emotional reactions. Contingency management for children and adults, parent training, desensitization, behavior rehearsal, cognitive restructuring, multi-modal assessment and intervention, and related ethical and professional issues will be included. Prerequisites: PSY 511, 519, 520.

542
Career Development and Life Style Counseling
McIlroy
Career development theories; career resources; current career trends, concerns, and programs; and the facilitation of life style awareness, choice and action. Emphasis will be on developing a broad view of career as life style and on practical application of theoretical models. Prerequisite: PSY 511.

545*
The Psychology of Exceptional Children
Waksman
Major categories of exceptionality: found in public schools. These will include the emotionally handicapped/behavior disordered, learning disabled, gifted, mentally retarded, hearing impaired, visually impaired, health impaired; non-English speaking students, and students with communication disorders. Students will examine the methods specialists employ to identify and evaluate these children and the resources available for helping them function effectively in school classrooms. Prerequisites: PSY 501, 502, 503 recommended.

546
Group Counseling
Nast/Kane
Areas of knowledge related to group work: major theoretical approaches, dynamics, ethical issues, research modes, process components, and impact of personal characteristics on others. Emphasis will be on acquisition of group leader skills.
of clients, diagnosing self-defeating behaviors of
group members, operationalizing a group
counseling model, interpreting nonverbal
behavior, pacing, dealing with problem group
members, facilitation of group therapeutic
forces, use of leader interventions. The course
is designed to give practical experience in applying
group knowledge and skills. Prerequisites: PSY
511, 519, 520.

547
Family Counseling
Propst
The significant schools of family therapy.
Reading will focus on structural, behavioral,
analytic, and experiential family therapies.
Emphasis will be on building a theoretical
background. Class members will be expected to
participate in role-playing of families over the
duration of the course with this role-played
family to be a model of therapeutic interven-
tion. Attention will also be directed to the role
that the therapist's own family of origin may
exert on the therapy. Prerequisites: PSY 520.

548-549
Behavioral Consultation I & II
Waksman
Practicum experience in the application of
advanced social learning procedures, for stu-
dents who have had a background in
applied behavior analysis. The course will
combine practicum experience and seminar
sessions in the implementation of social-
learning based interventions involving parents
and teachers through a consultation delivery
mode. Each student will implement and
evaluate at least one intervention program for a
primary school child with behavior and/or
learning problems in an educational setting.
Prerequisite: PSY 501.

550
Gestalt Therapy
Staff
Didactic and experiential approaches to Gestalt.
The course is designed to develop self-
awareness, to use self-awareness for personal
growth and larger human sensitivity, and to
equip participants with the basic counseling
skills used in the Gestalt method. Prerequisites:
PSY 519, 520.

552*
Adult Development and Gerontological Counseling
Manson
The biological, social, and cultural factors in
adult development and aging and strategies for
working with elderly people. Prerequisites: PSY
501, 503 recommended.

554*
Advanced Personality Theory
Staff
Personality theory: its relationship to the
theorist, its historical significance, its core
assumptions, the therapy to which it gives rise,
and the research it generates. In addition,
current issues and new directions in personality
are considered. Theories are compared and

555*
Drugs and Behavior
Weber
The effects of drugs on personality, behavior,
and physiology. Topics that will be considered
include alcohol and alcoholism, depressants and
barbiturates, opiate addiction, stimulants, mari-
juana, cocaine, and the hallucinogens. In
addition, there will be a focus on the uses and
abuses of psychoactive prescription drugs such
as tranquilizers, anti-depressants, and the
anti-psychotic substances. The effects of nu-
tritional imbalance on behavior will also be
explored. Prerequisite: PSY 501 recommended.

557
Sexuality and the Health Professional
McGuire
Recent research on particular sexual health
issues of importance to counselors. Commu-
nication skills essential to this area will be
practiced. Issues to be covered include sexual
health in childhood, adolescence, adulthood, and
aging; review of new research in homosexuality,
bisexuality, rape, and incest; and common
sexual dysfunctions and modes of treatment.

558
Clinical Work with Women: Theory and Practice
Resnick
Contemporary models of working with women
in counseling. Focus is on theoretical material
regarding gender identity, consciousness raising,
and clinical skills appropriate to the
disorders of high prevalence among women.

559*
The Theory and Treatment of Depression and Stress
Propst
The diagnosis, etiology, and treatment of
depression and anxiety. Etiology is considered
from a biological, cognitive, behavioral, and
sociological perspective. Strong treatment
emphasis will include the cognitive and behav-
ioral therapies and psychotherapies of depres-
sion and anxiety. Special attention is given to
women and depression and socio-cultural
factors in depression. Prerequisites: PSY 501,
503 recommended.

560*
Advanced Statistics
Meyer
Advanced statistical principles in experimental
design. Topics shall include the design and
analysis of factorial experiments, single and
multiple analysis of variance, and analysis of
covariance. Students will also be expected to
attain familiarity with the common computer
languages and competence in using the major
statistical packages for computers. Prerequi-
sites: PSY 502 or one recent undergraduate
statistics course.

561
Research Design I
Meyer
Advanced experimental design and techniques.
Students will learn the use of computer

data. Prerequisite: PSY 560.

562
Research Design II
Meyer
Multivariate and factor analysis. Students will continue the development of their expertise in computer application. Prerequisite: PSY 561.

563
Research Seminar
Propst
Development of a literature review in an area in which students will do the master's thesis. Principles of the process of developing a literature review. Prerequisite: PSY 561.

565*
Perception and Thought
Meyer
Issues and present knowledge concerning human perception, including recent breakthroughs in the neurobiology of sensation and perception as well as the role these processes play in color vision, form, and depth perception.

567*
Learning Disabilities
Sebastian
Characteristics of children who are said to have learning disabilities, principles of the assessment of learning problems, and effective intervention.

570-571
Practicum in Child and Adolescent Psychology I & II
Waksman
Didactic class instruction, practicum placement, and clinical training. The course will include the application of psychological therapies with children, adolescents, and families and a seminar reviewing research, theory, and practice. Prerequisite: PSY 520.

572-573
Practicum in School Counseling I & II
Sebastian
School counseling placement and a seminar involving didactic presentations and casework analysis. The course will provide students with skills in implementing a variety of preventative and corrective techniques appropriate to school settings. Specifically, students will be introduced to strategies for improving teacher-student and peer relationships and for assisting teachers to develop functional classroom norms. Students will also develop skills for assisting teachers in analyzing their instructional methods as a means to increase appropriate student behavior. Students will also explore approaches for working with families within the context of the school environment. Prerequisites: PSY 519, 520, 525.

574-575
Practicum in Adult Development and Psychopathology I & II
Staff
A practicum in a community setting which serves clients in need of mental health intervention. The practicum requires actual on-site counseling and participation in related professional responsibilities at the placement site. Students will write reports on their clients, prepare case histories, and submit audio and video tapes of their counseling for supervisory review. Whenever possible, the focus will be on the application of theory to actual cases. Techniques for intervention will be emphasized. Prerequisites: PSY 519, 520, 525.

576-577
Practicum in Marriage and Family Counseling I & II
Propst
Placement in a community setting and didactic presentations focusing on critical issues in counseling couples and families. As much as possible, students' current cases will be used as a basis for identifying central problems and effective means for responding to them. Methods of teaching will include lectures, presentations, seminar presentations, case reviews and direct supervision. Content will vary depending on student need and interest but will include refinement of skills in assessing strengths, competencies and dysfunctions, identifying their individual and systemic impact and planning appropriate interventions accordingly. Specific focus will be on behavioral marriage therapy techniques and structural family therapy. Prerequisites: PSY 547 plus one other practicum completed.

578-579
Internship in School Psychology I & II
Waksman
Supervised practicum experience as a school psychologist working under the direct supervision of a certified school psychologist in the field and indirect supervision by the instructor. Students must spend 30 hours per week (300 hours each term) providing assessment, consultation, and intervention services for exceptional and normal children. In addition, students will meet weekly with the instructor for a seminar examining legal, ethical, and professional issues. Prerequisites: consent of instructor.

580
Intellectual Assessment
Staff
Theory, techniques, and contemporary issues regarding intellectual assessment. The course will focus upon familiarizing the student with a variety of assessment devices (e.g., developmental scales, individual intelligence tests) and procedures (e.g., classroom observation, parent-teacher consultation) through lecture, discussion, and demonstration. Intensive training with the Wechsler Intelligence Scale for Children-Revised (WISC-R), involving practice administrations, test interpretations, and report writing, will prepare the student for in situ, supervised experiences. Prerequisites: PSY 524 or 525, one practicum series, enrollment in School Psychology or M.S. program.

581
Personality Assessment and Intervention Strategies
Staff
Theory, techniques, and contemporary issues regarding personality assessment with children.
and adolescents. The course will focus on familiarizing the student with a variety of assessment devices (e.g., empirically based and projective tests) and procedures (e.g., play and classroom observation, diagnostic interviewing, collateral information gathering). Intensive training with selected personality tests, involving practice administrations, test interpretation, and report writing. Prerequisite: PSY 580.

582
Advanced Assessment of Exceptional Children
Waksman
The administration, scoring, and interpretation of achievement, intelligence, personality, and special tests. The course will focus on the decision processes involved in selecting and using an appropriate battery of assessment instruments and procedures. Seminar sessions will include professional ethics, legal requirements, and testing standards, as well as related research on assessment. Practical administration of these instruments and procedures will be required of all students. Prerequisites: PSY 560, 580, 581.

595
Master's Thesis Research
Staff
May be taken up to three times for a total of three credits. Prerequisite: PSY 563, consent of instructor, and consent of thesis chair.
The Educational Administration program focuses on educating leaders, not managers. The program prepares candidates for positions as school vice-principals, principals, superintendents, and administrative support personnel. Courses are continuously updated and deal with timely issues such as school change and improvement, instructional leadership, planning for declining enrollment, maintaining and building educational quality with fewer resources, staff and student motivation, sex equity and affirmative action, and professional growth. Coursework leads to basic or standard administrative certificates.

Classes are kept small, conducted as seminars, and taught by a talented faculty. Current students enthusiastically support the department’s flexibility, the many individual options, and the numerous opportunities to field test concepts taught in class.

A master’s degree is a prerequisite for receiving administrative certification from the Teacher Standards and Practices Commission. A joint program with the Public Administration Program allows students to complete a master’s degree while satisfying requirements for certification.

Resources for Noncertificate Studies
Special Student status is available for individuals wanting to sharpen their administrative skills or update their knowledge in certain areas. New developments in organization theory, budget management, and computer applications are available as regular graduate coursework. Admission to these courses is granted through the Special Student option. Interested individuals are encouraged to consult the program director for details.

The college also provides special continuing studies programs for education professionals. Admission is determined by the nature of the program, but is generally open to all. These programs frequently take the form of two or three-day intensive seminars which meet over weekends or during school vacations and breaks. Subject matter usually addresses contemporary administrative needs and problems. For example, unique Institute for Beginning Administrators convenes each summer on the Lewis & Clark campus. The institute provides new or aspiring administrators with start-up skills and critical insights and information for job success. Details on such programs are available from the Educational Administration Program or from the Continuing Studies Office.

Faculty
To achieve a balance of theoretical structure and practical application, the program recruits faculty members from academic circles and the public school system. Additional academic faculty drawn on a regular basis from the social sciences, business, and humanities provide a truly interdisciplinary approach to preparing leaders.

Admission
Admission to the Basic Certification Program entails the steps listed below. Admission to the Standard Certification Program requires the same steps, plus proof of basic certification.

Candidates must submit the following:
1. Proof of enrollment in or completion of a master’s degree program from an approved teacher education program.
2. Satisfactory scores, within the last five years, on the Miller Analogies Test (minimum score: 40) or the Graduate Record Examination, Aptitude Section (minimum score: 900).
3. A completed Application for Admission to Graduate Study.
4. Two official transcripts from each undergraduate and graduate institution attended. Minimum standards are 2.75 GPA undergraduate and 3.0 graduate.
5. Three letters of recommendation from former professors, employers, or both.
6. A personal statement of philosophy and purpose, addressing these issues: the nature of interest in educational administration as a profession; professional goals; commitment to a graduate program; significant values; personal and professional strengths and limitations. This typed statement should be submitted at the same time as the application.
7. A $15 nonrefundable application fee, payable to Lewis & Clark College.
8. After submission of all written documentation and the application fee, candidates must schedule an interview with a program representative. This is the final admission requirement.
9. Within two weeks of notification of acceptance, the candidate must schedule a meeting with an advisor to plan a program of study.

Note: Meeting minimum entrance requirements does not guarantee admission to the program.
tional admission may be granted to applicants who meet certain admissions requirements at minimal levels, or to those who fall below minimums on one or two criteria if other indicators suggest probable success. Applications should be completed by the college’s general admission deadlines for graduate study.

Eligibility for Basic Certification
Lewis & Clark will recommend for the Basic Administrative Certificate (vice-principal, principal, or superintendent) those candidates who fulfill the following requirements.
1. Completion of a master’s degree from an approved teacher education institution.
2. Admission to the Lewis & Clark Educational Administration Program and approved program of study on file.
3. Completion of the required hours of graduate coursework appropriate to the desired certificate and completion of the approved competencies established by Lewis & Clark for administrator preparation. (For additional details see Graduate Policies and Procedures: “Transfer of Credit” and “Course Waivers.”)
4. Demonstration of knowledge of antidiscrimination statutes.
Washington residents: Individuals seeking administrative certification for the State of Washington should consult the director for specific requirements.

Eligibility for Standard Certification
Lewis & Clark will recommend for the Standard Administrative Certificate (principal or superintendent) those candidates who fulfill the following requirements.
1. Successful completion of the Basic Administrative Certificate at Lewis & Clark or an approved institution.
2. Completion of the required hours of graduate coursework appropriate to the desired certificate and completion of the approved competencies established by Lewis & Clark for administrator preparation. (For additional details see Graduate Policies and Procedures: “Transfer of Credit” and “Course Waivers.”)

Requirements for Certification Endorsement
All Lewis & Clark coursework and transfer credit must be letter graded unless approved by the director. Such approval is given during the candidate’s initial advising session.
Three courses totaling at least one and a half credits must be taken in residence at Lewis & Clark. Exceptions may be approved by the director. Recommendation for certification is based on meeting TSPC hour and content requirements as well as the Lewis & Clark competencies. The Competency Booklet is on file with the Educational Administration Program secretary.

Principal Certification Program
Basic Principal (OAR 584-46-016)
Eighteen and 1/3 quarter hours of graduate study applicable to the Standard Principal Endorsement, in a commission-approved administrative program for principals including: personnel supervision and evaluation, school law, and budget planning and preparation.

Standard Principal (OAR 584-46-021)
Twenty quarter hours of graduate study in addition to the 18-1/3 required for the initial Basic Endorsement, in a commission-approved administrative program for principals including each of the following areas of school administration: the teaching-learning process; curriculum development and implementation; school-community relationships; practicum, research, evaluation, and goal-setting; human relations; communicating; and other learning experience promoting professional growth in school administration. (Eighteen quarter hours of the total administrative program must be subsequent to the master’s degree).

Basic Program
A minimum of 3-2/3 credits (equivalent to 18-1/3 quarter hours), distributed as follows.

Required courses:
501 Introduction to School Administration: Staff Leadership and Program Development, 2/3 credit
502 Development, Evaluation, and Supervision of Educational Staff, 2/3 credit
504 Management of Financial Resources, 1/2 credit
509 Practicum for Principals, 1/2 credit
543 The Law and Public Education, 2/3 credit

Elective courses (select one):
505 Formal Organizations and Advanced Administrative Management, 2/3 credit
521 Elementary School Organization, 2/3 credit
522 Secondary School Organization, 2/3 credit
523 Administration of Small Schools, 2/3 credit

Standard Program
A minimum of 7-2/3 credits including the Basic Program (equivalent to 38-1/3 quarter hours), distributed as follows.

Required courses:
503 The School and Its Communities, 1/2 credit
513 Leadership Seminar, 1/2 credit
531 Leadership and the Teaching-Learning Process, 1/2 credit
ED 500 Research Methods, 2/3 credit
PA 506 Interpersonal Relations and Organization Behavior, 2/3 credit
PA 533 Communication Skills for Administrators, 2/3 credit

Elective courses (select one):
530 Motivating and Managing Student Behavior, 1/2 credit
545 Computer Applications for Administrators, 2/3 credit
PA 507 Public Policy Analysis, 2/3 credit
PSY 521 Program Planning and Evaluation, 1/2 credit

Superintendent Certification Program
Basic Superintendent (OAR 584-46-019)
Sixteen and 2/3 quarter hours of graduate study applicable to the Standard Superintendent Endorsement in a commission-approved administrative program for superintendents includ-
ing: personnel management; evaluation and negotiation; school law; and business management, budget planning, and budget preparation.

**Standard Superintendent (OAR 584-46-024)**
Approximately 25 quarter hours of graduate study in addition to the 16-2/3 quarter hours required for initial basic endorsements in a commission-approved administrative program for superintendents including each of the following areas of school administration: the teaching-learning process; planning and maintaining school facilities; school-community relations; policy development and implementation; research, evaluation, and goal-setting; human relations; communicating; school board relationships; and other learning experiences valuable in meeting the demands of central school administration.

**Basic Program**
A minimum of 3-1/3 credits (equivalent to 16-2/3 quarter hours) differentiated as follows. **Required courses:**
- **506** Negotiation and Collective Bargaining, 2/3 credit
- **507** Personnel Management in Schools, 1/2 credit
- **509** Practicum for Superintendents, 1/2 credit
- **528** Advanced Economics of Education, 1/2 credit
- **ED 543** The Law and Public Education, 2/3 credit
- **PA 507** Public Policy Analysis, 2/3 credit OR **PSY 521** Program Planning and Evaluation, 1/2 credit

**Standard Program**
A minimum of 5 credits (equivalent to 25 quarter hours) distributed as follows, plus the Basic Program (for a total of 8-1/3 credits or 41-2/3 quarter hours). **Required courses:**
- **503** The School and Its Communities, 1/2 credit
- **511** Management of Physical Resources, 1/2 credit
- **512** Policy Development and Implementation, 1/2 credit
- **513** Leadership Seminar, 1/2 credit
- **531** Leadership and the Teaching-Learning Process, 1/2 credit
- **ED 500** Research Methods, 2/3 credit
- **PA 506** Interpersonal Relations and Organization Behavior, 2/3 credit
- **PA 533** Communication Skills for Administrators, 2/3 credit
- **530** Motivating and Managing Student Behavior, 1/2 credit
- **598** Educational Leadership: Issues of Equity and Affirmative Action, 1/2 credit
- **PA 545** Computer Applications for Administrators, 2/3 credit
- **PA 550** Cutback Management, 2/3 credit
- **PA 561** Administrative Ethics, 2/3 credit

**Practicum**
The Educational Administration Program employs practicum experiences in two ways to support students' growth in the application of theory. These are the major practicum and the minor practicum.

The major practicum is set up as a learning contract, in a 1/2-credit time block. The major practicum, EDAD 509 or 510, usually involves an extensive commitment of time and energy in the student's normal work site (but focusing on new job skills) or at a complementary work site in which the student learns new tasks and the ambiance of a different setting. Ideally, this site is one in which the student ultimately wishes to be employed.

The minor practicum is a component of a designated course or set of courses, and it is a requirement for successful completion of those courses. Minor practica are limited to approximately 20-25 percent of course energy. They could be considered examples and extensions of instructional methodology rather than courses in themselves.

Within the basic vice-principal and principal programs, two of the required courses—EDAD 501 and 502—include minor on-site practicum components and in-class simulations. Within the basic superintendent program, one of the required courses—EDAD 506—including a minor practicum component.

**Curriculum**

**500 Research Methods**
Schmuck
Reading research critically, evaluating validity of purpose, and methodology of studies. The course examines research studies dealing with teacher effectiveness as it relates to student learning.

**501 Introduction to School Administration**
Schmuck
The first of a two-part basic course in the program for basic vice-principal and principal certification. It should be taken prior to, but in tandem with 502. The course encompasses the school improvement process, particularly as it relates to academic planning and theories of leadership and organizational change. The course includes a minor practicum component.

**502 Development, Evaluation, and Supervision of Educational Staff**
Duke
The second of a two-part basic course in the program for basic vice-principal and principal certification. It should be taken after, but in tandem with 501. The course encompasses clinical supervision, techniques for teacher evaluation, legal issues related to evaluation, and planning comprehensive staff development programs. The course includes a minor practicum component.

**503 The School and Its Communities**
Sagor
Developing understanding and awareness of the administrator's role in initiating and maintaining reciprocal growth relationships with various communities in school districts. Particular stress is given to consciously applying
theories and models of school-community relations to the development and/or improvement of administrators’ knowledge base, self-understanding, and interpersonal skills.

504 Management of Financial Resources
Katterle
The budgeting process used in public school financing. After exploring problems of revenue and expenditure forecasting, students will examine the strengths and weaknesses of various approaches to budgetary techniques and formats. The course will be organized around a simulation format, and students will prepare a budget.

505 Formal Organizations and Advanced Administrative Management
Same as Public Administration 505.

506 Negotiation and Collective Bargaining
Hungerford
Management of the collective bargaining process as it applies to public employees. The course is designed for administrators who will have responsibilities for negotiations or administration of negotiated contracts. Emphasis is on the influence of Oregon’s Collective Bargaining Law. The course includes a minor practicum component.

507 Personnel Management in Schools
Rousseau
Management of school district employees with emphasis on the selection, appraisal, development, and maintenance of their individual needs. The course is designed for administrators who will have personnel and program responsibilities. Emphasis is on the personnel management responsibilities of the building administrator.

509 Practicum for Vice-Principals and Principals
Schmuck
Supervised, on-site, pre-designed administrative experience and a campus seminar involving discussions, student presentations, and task analyses. Students will examine their understanding of administrative theory in light of their field application of the theory, synthesizing the theory and experience into a holistic interpretation of educational administration. Activities will vary depending on the site chosen, student interests, and desired skill development.

510 Practicum for Superintendents
Duke
Supervised, on-site, pre-designed administrative experience and a campus seminar involving discussions, student presentations, and task analyses. Students will examine their understanding of administrative theory in light of field application of the theory, synthesizing the theory and experience into a holistic interpretation of educational administration. Activities will vary depending on the site chosen, student interests, and the desired skill development.

511 Management of Physical Resources
Hiserote
Management and maintenance of school facilities and equipment. Topics include school-plant needs, planning, costs, design, and operations. Issues of legal liability, transportation, capital investment, and depreciation are analyzed. The course is required for those seeking the Standard Superintendent Certificate.

512 Policy Development and Implementation
Erickson
The processes by which the broad goals of public policy are established and put into practice. Legal, legislative, and contractual constraints on these processes and the nature of those engaged in policymaking will be assessed. Board management, agenda-setting, coalition formation, and conflict resolution also will be covered. The course is required for those seeking the Standard Superintendent Certificate; it is open to other students with consent of instructor.

521 Elementary School Organization
Staff
Organization theory and development as they relate to the operation of public elementary schools. The course provides an overview of all phases of elementary school administration, including scheduling, student assignment, goal-setting, resource acquisition and allocation, supervision, and evaluation.

522 Secondary School Organization
Staff
Organization theory and development as they relate to the operation of public junior high, middle, and high schools. The course provides an overview of all phases of secondary school administration, including scheduling, discipline, curriculum development, evaluation, and supervision.

523 Administration of Small Schools
Isaacson
Basic concepts of organization theory, development, and change as applied to smaller schools. The course covers application of theory and research to small school problems such as recruitment, staffing, curriculum balance, resource allocation, and public relations.

528 Advanced Economics of Education
Katterle
Timely material for school administrators facing declining enrollments, budget cutting, and reordering of priorities. The course covers strategies for generating revenues and eliminating inefficiencies, as well as taxation issues and risk management.
530
*Motivating and Managing Student Behavior*
Duke
Strategies for reorganizing schools and classrooms to reduce unproductive student and teacher behavior. The course includes a consumer's guide to the most popular approaches to classroom management and an overview of the Systematic Management Plan for School Discipline.

531
*The Teaching-Learning Process and Instructional Improvement*
Simington
Application of research on teaching and learning to classroom instruction and instructional leadership. How to adapt instruction to student characteristics and develop systematic staff development programs are stressed. Research on the special needs of students from different cultures will be reviewed. The course is required for those seeking the Standard Superintendent Certificate; it is open to other students with consent of instructor.

533
*Communication Skills for Administrators*
Schmuck
The communication process as it applies to personal and group effectiveness in a variety of settings. The dynamics of communication in dyads, small groups, and large groups will be explored. Strategies for improving the efficiency of group problem solving will also be investigated.

543
*The Law and Public Education*
Gathercoal
The legal framework for public education, church-state education relationships, pupil personnel, desegregation, Title VI, 1st, 4th, and 14th amendment rights of students and teachers, districts, officers and employees, local school boards, certification and contract of teachers, terms and conditions of employment, and discharge and retirement.

598
*Educational Leadership: Issues of Equity and Affirmative Action*
Staff
Same as Public Administration 598.

**Interdisciplinary Courses**

PA 506
Organizational Behavior

PA 545
Computer Applications for Administrators

PA 561
Administrative Ethics
The Master of Arts in Teaching degree at Lewis & Clark College is for elementary and secondary teachers wishing to integrate their intellectual and personal development with their professional development. When appropriate, teachers may also acquire Oregon Standard Teaching Certification. The program’s curriculum continues the tradition of the degree by requiring approximately an equal number of liberal arts and professional education courses.

The elementary program focuses on educational course work and experience appropriate for the teacher of the self-contained classroom, grades pre-primary through nine, and encourages an interdisciplinary examination of subject matter. The objective of the secondary program is to develop exceptional competence in the classroom teaching of one of several academic disciplines, grades five through twelve.

Standard subject matter endorsement areas available to secondary program students include: art, drama, foreign languages (FP-12), health education, health education (combined), language arts, language arts and social studies, advanced mathematics, music (FP-12), physical education (FP-12), science, social studies, and speech. Teachers interested in an advanced certificate or degree in music or music education should contact the School of Music for program and admission information.

A student may wish to complete a second basic subject matter endorsement as part of the Master of Arts in Teaching program instead of a standard subject matter endorsement. Basic endorsement programs are offered in the disciplines listed above.

Resources for Nondegree Study
Four post-baccalaureate programs are available to students who would like to obtain either subject matter endorsements or teaching certificates but are not seeking the master’s degree. These programs include: Basic Teaching Certification for those with a B.A. but no teaching credential (elementary and secondary available); Standard Teaching Certification program; Basic Subject Matter Endorsement, for those with a Basic Certification who wish an additional subject matter endorsement; and the Basic Reading Endorsement Program.

Admission to these certification programs requires the same process as the M.A.T. admission, except that the Miller Analogies Test or the Graduate Record Examination is not required. Students may enter courses on Special Student status for one term without formal admission, at the discretion of the program director.

Special Programs
In keeping with the department’s goal of providing current and challenging professional and intellectual preparation for teachers, the M.A.T. program is introducing three unique courses which examine research and issues in science and technology. Each course is specifically developed to deal directly with the elementary and secondary teacher’s needs, while updating each student’s general understanding in the area.

Coordinated by M.A.T. faculty, these courses will be co-taught with other professionals in the field—from OMSI, Oregon Graduate Center, the science departments of Lewis & Clark, Portland State University, University of Portland, and local industry.

In addition to these timely and crucial scientific and technological courses, the program offers computer courses for teachers and requires a course which examines the personal and social dimensions of teaching.

Teachers (K-12) who have a few non-native English speaking children in their classrooms will especially enjoy the graduate summer program, Teaching ESL Children. Participants will study how adults and children learn a second language and be able to identify strengths, needs, and materials for these ESL children.

Faculty
The M.A.T. faculty is comprised of individuals who believe that a combination of liberal arts courses and education classes build the strongest teachers and educators. All of the full-time faculty have doctorate degrees, as do more than 60 percent of the adjunct faculty. Individuals are selected for their teaching abilities, as well as their scholarship. Special care has been taken to see that “teachers who teach teachers” are among the very best.

Admission
The program faculty is committed to accepting individuals who (1) value life-long learning; (2) desire to advance their education in the liberal arts and their understandings of the implications of this knowledge for the practice of teaching; (3) who seek to improve their ability to instruct by increasing their understandings of their students’ stages of intellectual and social
development, by expanding their models of teaching, and by increasing their understanding of the importance of an equal education for all students; and (4) have a sense of their own efficacy.

Applicants are also evaluated on the basis of undergraduate and prior graduate work and results of a standardized test designed to measure success potential for graduate study.

**Admission to Graduate Study**

Applicants to the Master of Arts in Teaching Program must meet these requirements prior to seeking admission to graduate study:

1. Hold a baccalaureate degree from an accredited college or university recognized by the Oregon Board of Education.
2. Hold, be eligible for, or be a candidate for an Oregon Basic Teaching Certificate or its equivalent.
3. Possess an undergraduate grade point average of 2.75.

Meeting these minimum requirements does not guarantee admission. Conditional admission may be granted to candidates with low entrance test scores, a GPA below 2.75, or other marginal qualifications if other indicators suggest probable success in the program.

Applications are accepted throughout the year. Candidates are required to attend an orientation meeting prior to filing the application. Program information and application materials are distributed at these meetings, which are scheduled each month. A schedule of orientation meetings may be obtained by phoning the department. The Graduate Admissions Committee reviews completed admission files once per term, including Summer Session.

Candidates must submit the following application materials:

1. A completed application form, including a personal statement of goals and objectives.
2. A $15 nonrefundable application fee.
3. Two separate official transcripts from each college attended, undergraduate and graduate.
4. Scores from either the Miller Analogies Test or the Aptitude Section of the Graduate Record Examination.
5. Three letters of reference from people who can assess the candidate's qualifications for advanced study and potential as a teacher.

Candidates are responsible for completing their files. When an application file is complete, the Graduate Admissions Committee considers the application at its quarterly meeting. After a file is considered, the applicant receives a letter approving or denying admission. The letter to admitted candidates includes notification of the date of a group advising meeting for candidates in the same certification or endorsement area. A program will be written and approved for each candidate at this time. Applications must be completed by the college's general admission deadlines for graduate study.

**Special Student Status**

Applicants who for valid reasons have been unable to supply complete admission information prior to the opening of the term may be given Special Student status. This status permits a student to study for one term only, taking a maximum of two Lewis & Clark course credits (ten quarter hours) and is not renewable. Special Student status in no way guarantees subsequent admission to full graduate standing.

No student should presume that he or she has been admitted to the program until officially notified.

**Advancement to Degree Candidacy**

After completing not more than six courses, each student will be evaluated by the program director to determine whether the student will be allowed to advance to candidacy for the degree.

The candidacy advancement application procedure provides an opportunity for the student's advisor to review progress and determine if the student is moving satisfactorily toward completion of degree requirements.

**Academic Advising**

Each accepted degree student is assigned to an academic advisor from among the core faculty to assist in planning and in selecting electives.

An experienced advisor may be invaluable for resolving the complexities of certification requirements, transfer credits, and unusual circumstances. Students are therefore strongly urged to seek faculty advice in order to satisfactorily meet the requirements of their degree or certification goals. However, because graduate students are assumed to be mature and professional, actual responsibility for fulfilling requirements rests with the student.

To accommodate the work schedule of most students, program advisors are available for late afternoon appointments Monday through Thursday.

**Offices and Hours**

The Master of Arts in Teaching Program office is located on the first floor of BoDine Hall. The office is open from 8 a.m. to 6 p.m. Monday through Thursday and 8 a.m. to 3 p.m. on Fridays. Offices are not open on holidays, Saturdays, or Sundays. Persons desiring appointments should call Jeri Lynn Boe, administrative secretary, 503-244-6161 x234.

**Certification**

Students seeking Oregon certification who successfully complete the Master of Arts in Teaching Program receive institutional recommendation to the Teacher Standards and Practices Commission for the standard certificate. Certification programs are identified in the program descriptions in this catalog. Students should note that they must individually apply to the TSPC by submitting a completed C-2 form to Carol Cooper, director of the Teacher Certification-Placement Office, located in Albany Quadrangle, 503-244-6161 x283.

Washington teachers who need a Washington fifth year certificate must submit the Lewis & Clark planned programs of study to the Washington State Department of Public Instruction in Olympia or, if they received the
bachelor’s degree from a Washington college or university, to the education program from which they graduated.

Master of Arts in Teaching and Oregon Elementary Standard Certification (PP-9)

Students in this program complete the required education, liberal arts, and elective courses to earn the degree. The program satisfies Oregon requirements for a Standard Elementary Teaching Certificate.

Students who have already completed graduate education coursework with essentially the same content as that of any required course may substitute education electives with the consent of their advisors. Students choose other education electives and subject matter courses to meet professional and intellectual needs. Programs of study are planned in consultation with a graduate education advisor. Credit requirements represent a minimum number of hours rather than figures that must be reached exactly.

Degree Requirements
A minimum of 10-2/3 (equivalent to 53-1/3 quarter hours), distributed as follows.

Required education courses:
- 500 Researching Teaching Goals and Strategies, 2/3 credit
- 501 Evaluating the Outcomes of Teaching, 1/3 credit
- 502 Personal and Social Dimensions of Teaching, 2/3 credit
- 503 Student Development and Learning, 2/3 credit
- 504 Individuals in the Classroom, 2/3 credit
- 505 Teaching and Learning in Elementary Schools, 2/3 credit
- 506 Practicum in Elementary Teaching, 1/3 credit

Required liberal arts courses:
- 509 Q.E.D. Seminar, 2/3 credit

Four course credits chosen jointly by the advisor and student. These courses have liberal arts or endorsement area prefixes.

Elective courses:
- Two course credits chosen from education or liberal arts offerings.

Master of Arts in Teaching and Oregon Standard Secondary Certification (5-12)

Students in this program complete the required education, liberal arts, and elective courses. The program satisfies Oregon requirements for a Standard Secondary Teaching Certificate.

Students who have already completed graduate education coursework with essentially the same content as that of any required course may substitute education electives with the consent of their advisors. Students choose other education electives and liberal arts courses to meet professional and intellectual needs. Each student develops an individual program in consultation with a faculty advisor. Credit requirements represent a minimum number of hours rather than figures that must be reached exactly.

Degree Requirements
A minimum of 10-2/3 credits (equivalent to 53-1/3 quarter hours), distributed as follows.

Required education courses:
- 500 Researching Teaching Goals and Strategies, 2/3 credit
- 501 Evaluating the Outcomes of Teaching, 1/3 credit
- 502 Personal and Social Dimensions of Teaching, 2/3 credit
- 503 Student Development and Learning, 2/3 credit
- 504 Individuals in the Classroom, 2/3 credit
- 507 Teaching and Learning in Secondary Schools, 2/3 credit
- 508 Practicum in Secondary Teaching, 1/3 credit
- 509 Q.E.D. Seminar, 2/3 credit

Required liberal arts courses:
- Students must choose one of these options:
  1. A minimum of four credits in the area of basic subject matter endorsement (noneducation course numbers)
  2. Completion of a second basic subject matter endorsement with at least three credits of graduate level work in one of the following disciplines: art, foreign language, health, language arts, mathematics, music, physical education, science, or social studies. Note: Basic endorsements in combined health, basic mathematics, and reading do not satisfy this requirement.

Elective courses:
- Two course credits chosen from education or liberal arts offerings.

Master of Arts in Teaching: Liberal Studies

This degree is for elementary and secondary teachers who seek intellectual challenge and greater competence but do not need or want an Oregon Standard Teaching Certificate. Structurally, the degree provides great flexibility to help experienced teachers identify their individual learning needs and select courses and programs appropriate to those needs. The program assumes that each student has previous academic background, work experiences, and professional needs that are unique and therefore do not lend themselves to a preset program of studies. The program might also be appropriate for Washington teachers seeking a fifth-year certificate.

The program encompasses professional education and subject matter courses. Students plan their courses in consultation with an advisor.

Degree Requirements
A minimum of 10-2/3 course credits (equivalent to 53-1/3 quarter hours), distributed as follows.

Required education courses:
- 500 Researching Teaching Goals and Strategies, 2/3 credit
- 501-599 A minimum of four credits selected from this sequence of courses.

Subject matter courses:
- Elementary teachers: A minimum of six credits (at least three at the graduate level) in courses

Christine Moore
Adjunct professor.
M.A. University of Southern California.
B.A. California State University.

Susan Kirschen
Lecturer in English.
M.A., B.A. University of Washington.

Anita McClain
Assistant professor of education. Ph.D. Portland State University.
M.Ed. University of Nevada. B.S. University of Oregon.

Mary McConnell
Adjunct professor.

Virginia Neal
Associate professor of health and physical education. M.S. Wellesley College. B.S. Oregon State University.

Patricia Neill-Carlton
Adjunct professor.
Ph.D., M.A. University of Colorado. B.S. University of Southern Colorado.

Richard Stiggins
Adjunct professor.
Ph.D., Michigan State University. M.S. Springfield College.
B.A. State University College at Plattsburgh.

James Wallace
Professor of education.
appropriate to individual needs, as agreed in consultation with a faculty advisor.

**Secondary teachers:** A minimum of six credits (at least three at the graduate level) in courses in the area in which a basic subject endorsement has already been completed.

**Graduate Certification and Endorsement Programs**

Four post-baccalaureate programs are available to students wishing to obtain teaching certificates or subject matter endorsements but not an academic degree. The programs include:

1. The Basic Teacher Certification Program leads to the Oregon Basic Teaching Certificate, elementary or secondary, for those students holding a bachelor's degree but no teaching credentials. This is the only teacher education program for post-baccalaureate students which is administered by the Education Department, x283. Contact Bernard Wolff, chairman, Education Department, for admission materials and elementary basic program information, and Richard Steiner for secondary basic program information.

2. The Standard Teaching Certification Program, administered by the Master of Arts in Teaching Program, is for elementary and secondary teachers wishing to obtain an Oregon Standard Teaching Certificate but not an advanced degree.

3. The Basic Subject Matter Endorsement Program, also administered by the Master of Arts in Teaching Program, is for elementary and secondary school teachers who already hold an Oregon Basic Teaching Certificate and who wish only to obtain an additional basic subject matter endorsement.

4. The Basic Reading Endorsement Program is offered by the Master of Arts in Teaching Program as either a separate program or in conjunction with basic and standard teacher certification. Contact Carole Urzua, director of reading program, for program information and advising.

**Admission**

Application materials for the programs described in 2, 3, and 4 above are distributed at orientation meetings. Admission requirements for these programs are the same as those for the M.A.T. with one exception: applicants are not required to take the Miller Analogies Test or the Graduate Record Examination. See Master of Arts in Teaching admission section for other details.

**Program Requirements: Elementary or Secondary Standard Certification**

A minimum of nine credits (equivalent to 45 quarter hours), distributed as follows:

- **500 Researching Teaching Goals and Strategies,** 2/3 credit
- **503 Student Development and Learning,** 2/3 credit
- **504 Individuals in the Classroom,** 2/3 credit
- **505 Teaching and Learning in Elementary Schools,** 2/3 credit
- **506 Practicum in Elementary Teaching,** 1/3 credit
- **Secondary certification:**
- **507 Teaching and Learning in Secondary Schools,** 2/3 credit
- **508 Practicum in Secondary Teaching,** 1/3 credit

**Required liberal arts courses:**

A minimum of four credits selected from liberal arts courses.

**Elective courses:**

A minimum of two credits selected from education or liberal arts courses.

**Program Requirements: Basic Subject Matter Endorsement**

Programs leading to Basic Subject Matter Endorsement are offered in art, biology, foreign language, health education, health education (combined), language arts, language arts and social studies, basic mathematics (combined), advanced mathematics, music, physical education, physical science, reading, social studies, speech, and drama. Consult a graduate advisor in the M.A.T. Program to determine specific endorsement requirements.

Reading endorsement information is available in the Master of Arts in Teaching Program office from Carole Urzua.

For additional information on all post-baccalaureate nondegree programs in teacher education, except Basic Teacher Certification, contact Mary Kay Tetreault, director, Master of Arts in Teaching Program.

**Curriculum**

**500**

**Researching Teaching Goals and Strategies**

Stiggins/Staff

Using research studies to match teaching goals and strategies to the needs of students. Topics include selected areas of research and measurement, identifying and selecting appropriate goals, determining what students know, determining the gap between the teacher's goals and the students' status, and selecting appropriate teaching strategies to close the gap. This course is to be followed by 501 Evaluating the Outcomes of Teaching.

**501**

**Evaluating the Outcomes of Teaching**

Tetreault/Wallace

The use of measurement and observational techniques in determining how well teaching strategies are helping students achieve preselected goals. Topics include structural and ethnographic observational methods, norm-referenced and criterion-referenced tests, teacher-made tests, and the effects of measurement and observation on students, teachers, and others. Prerequisite: ED 500.

**502**

**The Personal and Social Dimensions of Teaching**

Tetreault/Wallace

An opportunity for individual reflection about one's role as a teacher. Topics are reasons for choosing teaching as a profession, criteria for quality teaching, the relationships between a philosophy of education and approaches to
503  
Student Development and Learning  
Moore  
The range of human development, both normal and exceptional, across the developmental domains of cognition, motor development, social and emotional development, and language. Focus will include areas of exceptionality and the problems of definition and labeling, legislation and litigation, and education services for children. Prerequisites: ED 501 and 502, or consent of instructor.

504  
Individuals in the Classroom  
Neill-Carlton  
Normal development, exceptionality, and differential diagnosis relative to the regular classroom. Specific counseling techniques for regular classroom teachers will be covered. Some of the techniques to be included are cognitive behavior management, self-modification, study skills training, and how to more effectively use school counselors and psychologists. Prerequisites: ED 503 or consent of instructor.

505  
Teaching and Learning in the Elementary Schools  
Urzua  
Evaluating teaching and making desirable changes based on an increased understanding of instructional models appropriate to students. Instruction will be evaluated through observation, case studies, and video-taping of teaching. This course is to be followed by ED 506. Prerequisites: ED 501 and 502, or consent of instructor.

507  
Practicum in Teaching  
Tetreault/Staff  
Implementation of the models of teaching studied in ED 505. Students use their own classes or work in an arranged placement. Each student will video-tape sessions in which a given model is employed. Segments of tapes will be viewed and evaluated during class sessions. Prerequisite: ED 505.

508  
Practicum in Teaching  
Tetreault/Staff  
Implementation of the models of teaching studied in ED 507. Students use their own

classes or work in an arranged placement. Each student will video-tape sessions in which a given model is employed. Segments of tapes will be viewed and evaluated during class sessions. Prerequisite: ED 507.

529  
Language Acquisition and Development  
Urzua  
How human beings learn their native language and what it is people know when they have learned a language. This understanding will be used to formulate a school environment which will maximize language learning potential, identifying both the learner's and the teacher's role. It is a required course for the Basic Reading Endorsement and is recommended preparation for language arts offerings, particularly Researching and Teaching the Language Arts.

530  
Basic Skills in Reading  
Urzua  
Basic developmental factors in learning to read, with emphasis on language development, beginning reading skills, and basic communication skills.

531  
Preventing Reading Failures  
McClain  
Current methods for dealing with remediation of disabled readers in the classroom setting.

534  
Diagnosis and Correction of Reading Disabilities  
Staff  
Combined seminar and practicum in the diagnosis and remediation of reading disabilities. The course explores a variety of diagnostic techniques.

539  
Advanced Teaching of Reading and Writing in Secondary Schools  
Staff  
Strategies for diagnosing and assisting students with reading and writing difficulties in various content areas.

576  
Researching and Teaching the Language Arts  
Urzua  
Development of a framework, based on a wide range of research findings, from which to make informed decisions concerning curriculum and methodology in listening, speaking, reading, and writing. Other curriculum disciplines will also be examined to see how language can be developed in those areas. Recommended preparation: LA 500.

577  
New Perspectives in the Social Studies  
Tetreault  
Analyzing the teacher's conceptualization of teaching social studies. Topics will include the historiography of women's history, the presentation of economic and political developments in school texts, the treatment of minorities, and readings in curriculum theory. Social studies curricula which contain new topics and new
ways of organizing knowledge will be presented.

584
*Exceptional Child*
Breje
The psychological, social, and educational implications of all areas of exceptionality, including common terminology, characteristic behaviors, teaching strategies, and school programs.

598
*Computers for Educators I*
Staff
Computer literacy and computer operation skills. This course is designed for K-12 teachers in all subject areas. It will explore computers as an instructional tool and examine ways to integrate the computer into instructional units within various subject areas.

Art

**ART 400**
*Twenty-First Century Art*
Green
Western painting and sculpture of this century. Intensive, analytical study includes Fauvism, Cubism, Dada, Surrealism, and the New York School. Special emphasis is on contemporary developments.

**ART 400**
*Silkscreen*
Dolan
Various processes of serigraphy. The course also includes the development of aesthetic directions and technical competence.

**ART 400**
*Weaving*
Fawkes
Development of a technical facility, or vocabulary, for on-the-loom weaving. Students make aesthetic decisions for weaving projects of their choice. The course is designed for teachers, beginning and advanced students.

Health and Physical Education

**HPE 500**
*Physiology of Exercise*
Evans
The study of exercise as it relates to program development in health and physical education. Applications of theory cover fitness development, women in sports, neuromuscular specificity, warm up, modalities, and posture.

**HPE 510**
*Adaptive Physical Education*
Evans
Theoretical information and practical experience in working with exceptional children.

**HPE 530**
*Evaluation in Health and Physical Education*
Neal
The uses of measurement and evaluation, the statistical concepts involved, and the selection of measuring instruments.

HPE 554
*Methods of Teaching Health Education*
Staff
The analysis of current teaching methods within the context of learning theory; development of new strategies and techniques for teaching health education. Resources concerning health education will be analyzed and evaluated on the basis of their appropriateness to classroom experiences.

HPE 562
*Community Health Problems*
Staff
The major health issues confronting communities today and processes to deal with the problems. Many of the health problems confronting Americans are preventable but require changes in current life styles. This class will identify processes for promotion of change.

Language Arts

**LA 500**
*Language Acquisition and Development*
Same as ED 529.

**LA 501**
*Researching and Teaching the Language Arts*
Urzua
Same as ED 576.

**LA 507**
*Teaching of the Earlier British Authors*
Staff
The teaching of pre-twentieth century English literature, including models for dealing with Shakespeare, Defoe, Fielding, and Dickens. Specific attention is paid to historical contexts, to changes in the language, and to literary and cultural traditions.

**LA 508**
*Women in Literature*
Kirschner
The portrayal of women in literature by male and female authors. The course will examine various myths and realities concerning "women's place." Students will read authors who, in their writings, question traditional values and assumptions about women.

**LA 522**
*Child and Adolescent Literature*
McClain
Authors, illustrators, and books for children and adolescents; methodology of using trade books in the classroom; and motivating children to read.

**LA 530**
*Writing and the Writing Process*
Hubbuch
Writing class designed for professionals—especially secondary teachers from all disciplines. Class sessions focus on recent research and theory in composing, typical writing problems, and the way the English language works. Weekly, students will read their own prose to their peers and receive feedback from them. The course will increase teachers' understanding of the writing process and,
through firsthand experience, introduce them to techniques that can be used in their own classrooms.

**Science and Science Education**

**SCI 500**

*Current Topics in Science and Technology*

**Staff**

Current scientific knowledge and technological applications in materials science, microelectronics, and genetics as appropriate for elementary and secondary teachers. The course covers the process of scientific and technological research and development as it is practiced in the greater Portland area. The course will meet at the Oregon Museum of Science and Industry and at the Oregon Graduate Center.

**SCI 501**

*Science and Technology Education Strategies and Curricula*

**McConnell/Staff**

Theories of cognitive development (as appropriate to science and technology education), curricular projects and texts (philosophy, scope, and sequence of content and skills, and methodology implied), and research on the effectiveness of various curricula and methodologies. The course will meet at the Oregon Museum of Science and Industry.

**SCI 502**

*The Nature of Science and Technology Education*

**McConnell/Staff**

Research on the development of scientific and technological literacy and the goals of science and technology education. The course will cover knowledge, skills, understanding, and propensities toward acting out scientific and technological understanding. Another component will be the manner in which the goals of science education differ for the science-career bound student and those needing scientific understandings for more socio-political decisions. The course will meet at Oregon Museum of Science and Industry.

**SCI 598**

*Computers for Educators II*

**Staff**

Programming concepts using the BASIC language on a variety of microcomputers. The course is designed for those K-12 teachers in all subject areas who have completed the equivalent of the course, Computers for Educators I; understand the concept of what it means to write a computer program; and wish to extend their programming ability using BASIC.

**Social Studies**

**SS 500**

*New Perspectives in the Social Studies*

Same as ED 577.

**SS 598**

*The City in Modern America*

**Wallace**

Historical perspectives on the modern city: the impact of city life on various sub-groups such as women, children, the elderly, the poor, and minorities; urban issues in politics, economics, housing, transportation, planning, education, and the media; various efforts to reform city life; the impact of current political and economic trends on cities and their populations.

**SS 598**

*Teaching Citizenship (K-12)*

**Cover**

Theories of citizenship education and appropriate teaching strategies. Law-related education curriculum projects, mock trials, courthouse tours, and literature will be used. The course will enable teachers to help students become more active and involved citizens.
Nationally recognized, the Lewis & Clark School of Music offers M.M. degrees in performance and composition and the M.M.E. degrees and certification for the teaching professional. Programs are designed with a high degree of individuality and seek to achieve a balance between musical, theoretical, and practical growth.

Course offerings in teaching certification include a full range of electives, theory, history, guidance, counseling, and methodology. In performance and composition, all graduate students choose from a richly balanced list of options: voice; instrumental and vocal jazz; electronic music; orchestral, ensemble, and performance studies on all instruments; theory, history, composition, and pedagogy; and world music, to name a few.

In addition to providing comprehensive programs, the School of Music is proud of some unique special programs and opportunities.

The Center for Electronic Music serves the School of Music as a teaching lab studio and serves community artists as a resource for composers, choreographers, and others. The World Music Program features the only Javanese Gamelan in the Northwest. This roomful of floor instruments, each a work of art, is played by many people at once. Students, city residents, and faculty can join gamelan playing groups beginning by learning the easy basics. Classes in African, Asian, and Middle Eastern music and lessons on the Japanese koto and shamisen are also available.

Full-time and summer session students come from throughout the United States and from foreign countries. Many come to study with specific members of the distinguished faculty, each a recognized expert in one or several fields.

Teacher certification candidates come from a wide geographic range to take advantage of the School of Music. While the majority live in the greater metropolitan area, including southern Washington, many travel from the Dalles, Astoria, and Salem.

Resources for Nondegree Students and Special Programs

The School of Music encourages studies by music professionals who wish to improve their skills but may not wish to enroll in a formal degree program. Enrollment requires the director’s approval for graduate level courses. Open enrollment courses and institutes are available to all interested students.

The second half of the summer term is devoted especially to institutes and workshops serving the music professional. Past offerings have included Orff workshops, choral symposia, jazz study with George Shearing, electronic music, music therapy, and summer instrumental workshops.

A new performance option is available for talented students. The Palatine Hill Symphony, recently formed under the direction of the director of the School of Music, bridges the gap between college orchestras and large professional symphonies. Its performers are a mix of professional musicians and gifted students.

Many courses and opportunities in the World Music Program attract the public. Citizens are welcome to join faculty and students, for example, in playing the remarkable floor instruments comprising the Javanese gamelan.

Faculty

The music faculty is composed of distinguished professionals who bring a considerable range of expertise to their teaching. Among them are jazz artists, an electronic specialist, symphony principals, and composers and performers with world-wide touring and publishing backgrounds. Other faculty members are specialists in African, Asian, and Middle Eastern music. Students often enroll to be able to study with a particular artist at Lewis & Clark.

Admission

Admission to graduate programs in music requires the bachelor’s degree, or its equivalent, in the appropriate field. Applicants should have a grade point average of 3.0 (based on a 4.0 scale) or higher from a fully-accredited institution of higher learning.

Applicants showing an unusual ability in performance or composition, but whose previous record falls short of this standard or whose study was at an institution not accredited by a regional agency or the National Association of Schools of Music, may be granted conditional admission. Conditional admission is also offered to students working toward the professional music degree (M.M. or M.M.E.) without the appropriate undergraduate degree (B.M. or B.M.E.).

Applicants are required to take the Graduate Record Examination (Aptitude Section) or the Miller Analogies Test. The Miller Analogies Test is preferred for the M.M.E. program. They also must supply the School of Music with two
official complete transcripts of their undergraduate study.
In addition to these general admission requirements, the School of Music examines each prospective graduate student using additional criteria to determine the quality of musicianship. See sections on programs for specific requirements.
Admission materials may be obtained from the School of Music. Applications should be completed by the general college deadlines for admission to graduate study.

Placement Examinations
Placement examinations in music history and music theory are given to M.M. (performance and composition) students the first two days of fall term and at other times arranged with School of Music graduate advisors to obtain data helpful in constructing appropriate degree programs for each student. The placement tests must be taken at the beginning of graduate study.

Test: Music History
The test consists of short answer questions with a few essay questions. Score identification is usually included. Recommended preparation: review of Grout's *A History of Western Music* (W.W. Norton, 3rd edition). Candidates who receive unsatisfactory test results are required to take the appropriate Music History course or courses, which will carry degree credit.

Test: Theory, Musical Styles, Analysis
Recommended preparation: review of layer skills for melodic and harmonic dictation; part writing, melody harmonization, scoring; basic forms, compositional techniques, formal, harmonic, contrapuntal, and stylistic analytical procedures from music of all periods. Candidates who receive unsatisfactory test results are required to enroll in the appropriate music theory course or courses, which will carry degree credit.

Comprehensive Examinations and Master Thesis
All graduate students of the School of Music are required to pass a comprehensive examination or submit a master’s thesis. Comprehensive examinations are limited in scope to material pertinent to the student’s major field of concentration. The decision, design, administration, and evaluation of the master’s thesis and the comprehensive examination rest with the graduate advisor and the student’s Graduate Committee in consultation with the student. It is the student’s responsibility to make the necessary arrangements for the thesis or examination with the graduate advisor a minimum of one term prior to graduation. The thesis option is most applicable for Master of Music Education candidates.

Program: Master of Music Education
This program gives the candidate extended knowledge, understanding, and skills which contribute to professional effectiveness as a teacher-musician in elementary and secondary schools. A Master of Music Education fulfills all requirements for Oregon standard certification.

Admission Requirements
1. A Bachelor of Music Education or equivalent degree.
2. Teaching experience or evidence of demonstrated aptitude.
3. Interview with the director of the School of Music or graduate advisor.

Requirements for the Major in Music
A minimum of 10-2/3 credits distributed as follows.

Required courses:
511 Music Theory Seminar, 1 credit
561 Music History Seminar, 1 credit
581 Introduction to Research in Music Education, 1 credit
582 Development and Trends in Elementary Music Education, 1 credit
584 Seminar in Music Education, 1 credit
Pedagogical studies (in area), 1 credit
Applied lessons (major instrument or voice), 1 credit

Elective courses:
Select music electives for a total of 1 credit.

Cognate field (education):
ED 503 Student Development and Learning, 2/3 credit
ED 504 Individuals in the Classroom, 2/3 credit
ED 505 Advanced Teaching of Reading and Writing in Secondary Schools, 2/3 credit
ED 514 Advanced Teaching Strategies: Elementary Music, OR ED 524 Advanced Teaching Strategies: Secondary Music, 1 credit

Cognate electives:
Select elective(s) from graduate education offerings totaling 2/3 credit.

Program: Master of Music in Performance
The Master of Music/Performance curriculum is for the performing musician who has achieved a high level of proficiency and artistry, but who at the same time reveals a desire and capacity for further artistic and technical development.

Admission Requirements
1. B.M. in performance or demonstrated equivalent.

2. Entrance audition. Tapes of senior recital or equivalent may be submitted by students living great distances from Lewis & Clark. Students who submit tapes initially, however, receive conditional admission.

Residence Requirement
At least one year of residence after unconditional admission is required of all candidates for the Master of Music Performance. A year of residence is defined as being enrolled as a full-time student for each of three consecutive terms (a minimum of 1 1/2 credits per term) and participating actively in the musical life of the Lewis & Clark School of Music as a performer, listener, or composer. The curriculum varies slightly for each instrument. Precise requirements for each student are determined after admission by the student’s graduate advisor and
graduate committee. The program listed here, however, is typical.

Requirements for the Major in Performance
A minimum of 11 credits distributed as follows.
Required courses:
Applied lessons (major instrument), 3 credits
Ensemble, 1 credit
Chamber music, 1 credit
Recital, 1 credit
Cognate field:
A total of 3 credits selected from music history/literature, theory/composition, or conducting.
Elective courses:
A minimum of 2 credits in elective courses.

Program: Master of Music Composition
The M.M. in Composition emphasizes contemporary compositional approaches and techniques and requires the production of works. A recital is required made up principally of music composed while in the graduate program and demonstrating facility with musical gesture and continuity on a larger scale. The student is expected to deal with all aspects of concert production.

Admission Requirements
1. B.M. in composition or demonstrated equivalent.
2. Portfolio of compositions (plus tapes of performances wherever possible) which:
   a. Have already been publicly performed.
   b. Represent a total performance time of at least 60 minutes.
   c. Use designs of larger as well as smaller scope.
   d. Indicate superior compositional abilities.

Residence Requirement
At least one year of residence after unconditional admission is required of all candidates for the Master of Music Composition. A year of residence is defined as being enrolled as a full-time student for each of three consecutive terms (a minimum of 1½ credits per term) and participating actively in the musical life of the Lewis & Clark School of Music as a performer, listener, or composer. The curriculum varies slightly for each instrument. Precise requirements for each student are determined after admission by the student's graduate advisor and graduate committee. The program listed here, however, is typical.

Requirements for the Major in Composition
A minimum of 11 credits distributed as follows.
Required courses:
Composition, 3 credits
Recital, 1 credit
Cognate field:
Studies in music theory, history, and applied areas—Western and non-Western—that will develop technical skills and knowledge about composition and its relation to other musical areas and cultural ideas, 5 credits.
Elective courses:
A minimum of 2 credits in electives.

Curriculum
This list of course offerings is incomplete and should not be used in planning a course of study. A complete description and schedule of course offerings, including Summer Session courses, is available from the School of Music office.

421, 422, 423
Advanced Composition
McDermott
Free composition. Compose pieces of small to large dimensions for various ensembles. Preparation and rehearsals for a graduate recital and study of contemporary trends.

431
Psychology of Conducting
Luedtke
Techniques related to the conductor's role in rehearsal and performance. The course studies instrumental and choral scores and stresses those problems relating to conducting and interpretation. Emphasis is on interpersonal dynamics of the conductor and the group. This is a performance laboratory with students conducting scores prepared in class.

461
Baroque Music
Pauly
Style qualities, performance practices, and the environment in which Baroque music was performed. Representative compositions are selected from Monteverdi to Bach and Handel. The class involves lecture, discussion, listening, and informal performances of small works.

462
Music in the Classic Period
Pauly
Major types of music in vogue during this period. The course seeks to develop the student's ability to understand classic style principles. Content includes the musical life of the age and the music of Haydn, Mozart, Beethoven, and contemporaries. The class employs lecture, discussion, informal readings and performance, and analysis of scores, recordings, and performances.

469
Seminar in Music Research
Pauly
Basic research techniques acquired from the study of major reference materials. Preparation and discussion of individual research projects.

495
Piano Pedagogy
Tholen
The relationship of theoretical knowledge and expressive technique to the art of making music and to the communication of clear musical thought. Informal discussions, lesson planning, and practice teaching are designed to outline useful presentation techniques. The course covers fundamentals of harmony necessary for the analysis of music, basic technical exercises, sight reading and listening skills, and general principles of pedagogy.
Katherine Ann George
Piano. A.R.C.M. Royal
College of Music, Lon-
don. Orchestral pian-
ist. the Oregon
Symphony Orchestra.
Harry Gilgarm
Jazz piano. Studied at
the Dick Grove School
of Music in Los
Angeles and the Berk-
lee School of Music in
Boston.
Dona Haslett
Piano. M.M. Univer-
sity of Portland.
Martha Herby
Flute. M.M. Eastman
School of Music.
Herman Jobe
String bass. Principal
bass. Oregon Sym-
phony Orchestra.
Larry Johnson
Horn. M.M. Cleveland
Institute of Music.
Frederick Karrman
Oboe. Principal oboe,
Oregon Symphony
Orchestra.
Ian Mitchell
Guitar. M.A. Western
Washington University.
James O’Brien
Trumpet. M.M. Indi-
ana University.
Nellie Thelen
Professor of piano and
pedagogy. Graduate of
St. Louis Institute of
Music.
Robert Wagner
Clarinet. Professor
emeritus, University
of Oregon. Past presi-
dent, College Band
Directors National
Association.
Dawn Weiss
Flute. Principal flute,
Oregon Symphony
Orchestra.
Marc Walters
Trombone. Principal
trombone, Portland
Opera Orchestra.
India Zerbe
Cello. Principal cello,
Oregon Symphony
Orchestra.

599
Independent Study
All music faculty
Work in areas and on projects not normally
included in scheduled courses. A well-defined
study project carried out under regular supervi-
sion by a faculty member.

Performance
511-517
Chamber Music
Music Faculty
Woodwinds, brass, percussion, jazz, keyboard,
strings, guitar.

571-591
Applied Music Lessons
Music Faculty
Piano, harpsichord, organ, voice, violin, viola,
cello, bass, harp, guitar, flute, oboe, clarinet,
saxophone, bassoon, trumpet, horn, trombone,
baritone, tuba, percussion.
The Public Administration Program is especially designed for career administrators who find that they need further skills and a more sophisticated understanding of large, complex organizations. In addition, the program admits a select number of students each year who do not have much previous work experience. These students are given focused preparation in policy analysis and development.

Courses span the fields of budgeting, personnel relations, operations research, administrative management, policy analysis, organization development, and computer applications.

The curriculum seeks to accomplish three primary objectives, the first of which is improving students' managerial skills. Second, the program provides exposure to several disciplinary approaches and mastery of the major bodies of knowledge in the field of administration. Third, classroom theory is integrated with prevailing and emerging administrative practices.

Most courses are offered on weekday evenings, to accommodate the schedules of working administrators. Each term the M.P.A. program also offers intensive seminars. This format permits the use of distinguished visiting scholars and practitioners who cannot be freed from prior commitments for an extended period of time. These seminars, conducted during a weekend of concentrated class work, begin with a meeting one month earlier in which the topic is introduced and reading and writing assignments are made.

The M.P.A. program seeks to achieve a mix of academic scholarship and current practical experience throughout its offerings. In addition to attracting a heterogeneous group of students, the program engages as faculty a spectrum of public managers who have extensive academic credentials to teach courses.

Students come from a variety of federal agencies (e.g., the Army Corps of Engineers, Bonneville Power Administration, the U.S. Forest Service), state and local government, nonprofit organizations, quasi-public agencies, public utilities, and private firms having substantial contact with government. This mix creates a unique opportunity for students to share practical experiences and evaluate current theories and problem solving procedures.

Course assignments, opportunities for independent study, and internships emphasize the importance of using practical experience to test classroom and textbook theory. The diversity of practical experience enables students and instructors alike to ask why a theory in a particular approach seems to work in some circumstances but not in others.

Despite the enriching diversity that characterizes M.P.A. students, they share important elements. Typical degree candidates are undertaking a career transition that involves the exercise of increasing amounts of managerial responsibilities. In addition, a number of nondegree students enroll as special students on a noncredit basis because a particular course can meet a specific job-related need. Such students add an important practical dimension to class discussions.

Resources for Nondegree Study
The college encourages students to enroll, at any time, in courses of personal and professional interest. Students are considered enrolled upon registration. Such students may later opt to apply for degree candidacy and have up to four course credits applied to the degree program. Students may also participate on a noncredit basis, although payment of tuition is still required. A certificate of completion for each course is provided on request, regardless of the student's enrollment status.

Program in Planning and Policy Analysis for Recent College Graduates
This option is designed for college graduates who are considering a career in public service. It undertakes to integrate theory and practice, initially acquainting students with the skills necessary to undertake program planning and policy analysis in classroom settings and then permitting the refinement of these skills through supervised internships. It seeks to broaden the student's perspective through a period of residence in a foreign country.

Throughout the program, the student works closely with an experienced public servant who serves as a mentor.

A limited number of students are accepted each year to undertake a focused program of study that includes the following: 1) at least 11 1/3 credits (equivalent to 53 quarter hours) of course work, with heavy emphasis on program planning and policy analysis skills; 2) at least 3 credits (15 quarter hours) of supervised internship, including residence in an agency in Scotland or Victoria, British Columbia; and 3) a
final policy paper. The program begins in the summer of each year and is designed to be completed in 15 months of study.

Off-Campus & International Programs

The Public Administration Program offers an intensive one-week seminar on the National Policy Process conducted in late November and early December in Washington, D.C. The course explores the various elements of the national policy process, meeting with professional staff from the White House, Congress, administrative agencies, interest groups, and ‘think tanks.’

A ten-day program of study in England and Scotland during early June focuses on comparative public administration. Several days are devoted to individual work with someone in a program, agency, or assignment that closely parallels students’ current interests and responsibilities. In addition, the group interviews a variety of important governmental officials as well as appropriate local academicians.

A third course, Comparative Political Processes in the Pacific Northwest, focuses on the activities, structures, and processes of government in Salem, Olympia, and Victoria, B.C. This multistate and multinational study provides a personal perspective on the institutional, administrative, and political environment that confronts those managing the public’s business in the Pacific Northwest.

Special Programs

The Executive Seminar Program provides advanced study opportunities for a small group of executives from industry and government. Participants examine issues and the decision-making process relating to selected natural resource policy questions. The 1983-84 seminar series will focus on wilderness allocation policy, West Coast off-shore oil and gas exploration, and development, and water allocations. Admission to this program requires agency sponsorship and the consent of the director.

The Public Administration Program periodically offers special workshops and management training opportunities for the U.S. Forest Service, Bonneville Power Administration, U.S. Soil Conservation Service, and other similar governmental agencies located in the Pacific Northwest. Normally, these programs are open only to employees accepted by the sponsoring agencies. Academic credit can be arranged and applied toward requirements for the M.P.A. degree.

Faculty

A diverse selection of instructors with expertise in their subject matter exposes students to varied disciplines and methodologies. Practicing professionals, visiting scholars, nationally recognized specialists, and adjunct faculty-practitioners complement the resident faculty of the M.P.A. program. In any given term students may find courses offered by the personnel director of a local governmental agency; the chairperson of Lewis & Clark’s political science, business and administrative studies, educational administration, or public administration department; or a distinguished visiting scholar in urban planning from Edinburgh, Scotland.

Admission

Individuals wishing to pursue an M.P.A. degree are expected to file the Application for Degree Candidacy after completing three, but no more than six, courses. Applications must be submitted according to the college’s general admission deadlines for graduate study. A faculty committee reviews each application and determines the student’s formal admission into the degree program.

To become a degree candidate, the student must:

1. Successfully complete with a minimum 3.0 average at least three graded courses in the Public Administration Program, one of which must be selected from the Core Courses.
2. Submit a complete record of all academic work, including evidence of a bachelor’s degree, and a record of all professional experiences of at least three years duration.
3. Submit four letters of recommendation, two from academic instructors and two from professional sources who have had an opportunity to evaluate the applicant’s prospects for professional growth at the management level.
4. Prepare a personal statement of at least 500 words, including professional career goals and how the Lewis & Clark program is expected to further them.
5. Submit the score from the Miller Analogies Test.
6. File a proposed program of study.
7. Pay a $15 application fee.
8. Complete the TOEFL examination if English is a second language.

Recent college graduates who apply under the Program Planning and Policy Analysis option must complete their applications in time for the spring admissions meeting. Students wishing to pursue the policy analysis option are not required to have a least three years of work experience and to complete three graduate courses before applying for admission. However, they must meet all other admission requirements.

Special Admission

The Public Administration Program may consider admission to degree candidacy for individuals who do not have a bachelor’s degree but who have an extensive record of successful and significant practical experience in public management. Persons meeting this criterion are evaluated by a special committee of program faculty and outside reviewers.

Degree Requirements

Students are expected to gain exposure to a spectrum of administrative procedures, skills, styles, and policies through their courses of study leading to the M.P.A. degree. Six of the 17 courses required for the degree are electives, allowing each candidate to tailor the program to personal needs and interests. Degree requirements are distributed as follows:

1. Successful completion of 10 core courses:
500, 501, 502, 503, 504, 505, 506, 507, 508, and 509.
2. Successful completion of one of the following: 513, 515, or 517.
3. Successful completion of six elective courses, including no more than two independent study courses.

Requirements for the Planning & Policy Analysis Option
Students enrolled in the Planning & Policy Analysis Option must meet the following degree requirements:
1. Successful completion of six core courses: 503, 504, 505, 506, 507, and 509
2. Successful completion of 511, 542, 572, and two courses in Scotland or Victoria, B.C.
3. Successful completion of the planning core: 571, 577, 578, 579, 599, and two internships (one domestic and one comparative).

Curriculum
This list of course offerings is incomplete and should not be used in planning a program of study. A complete schedule of course offerings is distributed by the Public Administration Program office each term, and faculty advisors are available.

Core Requirements
500
Library and Policy Research Skills
Morgan
A three-part set of exercises requiring students to trace a piece of public policy through its various stages of development, starting as an idea and ending with administrative implementation.

501
Administration in Government
Balmer
The role of administration in society: form, structure, theory. Reorganization, leadership, decision making, budgeting process, personnel management, administrative rule-making, and administrative ethics are discussed.

502
Economic Context of Administration
Mattersdorf
A schematic presentation of a national economy, spotlighting how economic institutions and programs relate to macroeconomic policy goals and how changes in overall business activity impact on the scope and the pace of individual government agencies and programs.

503
Public Budgeting
Morgan
The history of public budgeting: the strengths and weaknesses of line item, performance, program, and ZBB formats; and the characteristics of the budgeting process which help to shape the behavior of the actors and the final outcome. Extensive use of simulations gives students some practical budgeting experience.

504
Administrative Law
Collins
The constitutional basis for administrative law, regulations and the rule-making process, administrative decision making, adjudication, and current administrative law problems.

505
Formal Organizations and Advanced Administrative Management
Egan
The theory of complex organizations. Primary focus is on individual and group behavior, organizational processes, and organizational change.

506
Organizational Behavior
Staff
The nature of individuals and organizations—the interaction, selection, and accommodation of each other. Study also encompasses organizational design, appraisal systems, reward systems, group behavior, and organizational change.

507
Quantitative Methods
Staff
The basic tools that an administrator needs to be able to evaluate the effectiveness of an agency’s programs: research design, methods of data collection, data analysis, and planning and presenting an evaluation. Prerequisite: Successful completion of a statistics course within the last five years.

508
Administrative Ethics
Morgan
Administrative discretion and the ethical dilemmas that are characteristic of public administrators in large complex organizations: conflicts between program and organizational loyalty, between professional responsibility and meeting client needs, between political responsibility and administrative neutrality, etc.

509
Capstone Course
Morgan, Duke
The final closure course for all degree candidates in the program. Students use previous coursework to examine current trends, themes, and research in the field of public administration.

Governmental Context
510
Studies in Politics and Administration
Staff
Specific course content varies from term to term.

511
Administration and the Policy Process
Kapsch
Topics include the role of models for policy analysis, rationalism, incrementalism, innova-

DISTINGUISHED VISITING PROFESSORS
Following is a representative sample of distinguished visiting faculty which the program uses on a regular basis to add variety and to supplement the regular program offerings:

Ian H. Adams
M.A., Ph.D. University of Edinburgh. Lecturer, University of Edinburgh.

Richard Chapman

Stefan Kapsch
Ph.D. University of Minnesota. Associate professor of political science, Reed College. Research director, Oregon Commission on the Judicial Branch.

Frederick A. Kierer

Henry B. Mayo
D. Litt., D. Phil., M.A.F.R.S.C. Professor of political science, Carleton University, Ottawa, Canada.

Daniel M. Ogles, Ph.D.
tion, elitism, interest group theory, the policymaking process, and policy evaluation.

512
Metropolitan Politics
Staff
The nature and ideology of the urban crisis is examined by looking at decision making and the structure of power, legal and fiscal restraints, interest groups, machine politics, intergovernmental constraints, and policy implementation.

513
Legislative Politics
Staff
The changes in congressional structures and processes from the patterns of strong leadership in presiding officers and committee chairmen to the more decentralized if not chaotic system today.

514
Governments and Their Publics: A Study of Interaction
Staff
How local governmental units and their constituents, uncertain about their respective roles but seeking to set up appropriate expectations, values, and "operational codes," relate to and communicate with each other.

515
Balmer
Intensive, on-the-scene seminars with key professional staff from Congress, the executive branch, interest groups, "think tanks," and the press.

516
Comparative Public Administration: Program in Edinburgh, Scotland
Staff
An intensive on-the-scene look at government in Edinburgh, Scotland, with an emphasis on comparative studies in economics, budgeting, local governments, education, the judicial system, and the social services.

517
Comparative Political Processes in the Pacific Northwest: Salem, Olympia, Victoria, B.C.
Balmer
The political history, state and local government structures, party and interest group operations, and major policy questions facing Oregon, Washington, and British Columbia. Field trips and interviews are scheduled.

Content of Public Policy

520
Studies in Public Policy
Staff
Topics vary from term to term and have included studies on administration of the arts, court reorganization, and transportation policy.

521
Public Regulation of Business
Staff
This course provides an overview of the basic components of American domestic economic policy with a focus on present political processes, major agencies, and their responsibilities.

522
Natural Resources Policy
Staff
The nature of policy, the policy making process, policy making by power clusters, and planning as a form of policy making. Water, recreation, power and energy, land, and forest policy will be studied.

523
Human Services
Staff
Emphasis is on the health care field policy and practices.

524
Northwest Energy Policy
Staff
The setting as hydroelectric power developed in the Pacific Northwest, the hydro-thermal plan and NEP later modified by new factors and actors and challenged by financial and environmental problems, and resolved by the 1980 Regional Power Act and again challenged by old pressures.

Personnel Relations

530
Problems in Personnel Management
Staff
Topics vary from term to term and have included courses on interpersonal relations and work motivation.

531
Personnel Administration
Staff
Personnel administration and human resource management in the contemporary environment. Course content includes planning for an effective human resource system; identifying, observing, and appraising performance in organizations; human resource selection and staffing; training and development; and performance and productivity.

533
Communication Skills for Administrators
Pascarella
This course places heavy emphasis on skill development and application in the following areas: circumspect process of interpersonal communications, aligning intentions with actions, the working group, management of groups and leadership.

534
Collective Bargaining: Advanced Labor Law
Willner
A practical study of problem areas in the field of labor law. The course is taught at the Lewis & Clark Law School.

535
Federal Personnel Policies
Kistler
Implementation of civil service reform and evaluation of the federal personnel system after
reform as it strives for governmental efficiency and effectiveness.

Quantitative Methods
541
Accounting for Administrators
Reding
The understanding and use of financial information in the decision-making and control processes in not-for-profit organizations. Although some accounting principles and procedures are discussed, the emphasis is on management control using accounting information.

542
Systems Analysis/Operations Research
Staff
Topics include models and managers, cost analysis, linear programming, decisions under uncertainty, preference theory, econometric forecasting, and hypothesis testing.

543
Statistics and Their Uses
Staff
The use of statistical techniques in the solution of problems encountered in business, economics, and government. Special emphasis will be placed on examples illustrating the proper and improper uses of statistics.

545
Computer Applications for Administrators
Staff
Provides an opportunity for students to examine, adapt, and apply current microcomputer software to basic and specific administrative problems and areas of concern. Ample opportunity will be provided for hands-on use and practice with data-based managers, spreadsheet formats (i.e., VisiCalc), and other administratively applicable software.

Administrative Management
550
Studies and Current Developments in Administrative Management
Staff
Specific course content varies from term to term. Recent topics have included cutback management, strategic planning, management control and implementation, and productivity.

553
Organization Development
Lasagne
Use of behavior instruments and information and their application in an actual organization. Students examine and compare knowledge and preconceptions about organization development with current applications, theories, and practices.

554
Managing Not-for-Profit Organizations
Proppe
The not-for-profit human service agency setting, including working with a policy board, volunteer/staff relations, personnel administration, budgeting, fund raising, public relations, and the need for long-range planning.

Policy Analysis
571
Zenk
The strengths and weaknesses of various models of public policy analysis, the conditions under which these models work best and the theory and practice of policy analysis as it developed over the past two decades in the United States. Students will be given some of the practical skills necessary to undertake policy analysis.

572
The American Regime
Holton
Foundings (1781/The Articles of Confederation; 1787/The Constitution); the competing visions of Federalists and anti-Federalists about the nature and objects of the American regime; Hamiltonians vs. Jeffersonians; the Jacksonian experiment in democracy; the slavery issue; the post-Civil War response to industrialization; Wilson's New Freedom and Roosevelt's New Deal; Johnson's Great Society and the revolution in rising expectations; the value structure in the '80s.

577-579
Integrative Policy Seminar
Holton
Cases drawn from different public and private agency settings at different levels: local and federal, in various substantive terrains; health policy, resources policy, educational policy, defense policy, etc. These courses are required for all students in the Planning and Policy Analysis Program.

596
Thesis
Staff
Independent research under faculty supervision integrating program coursework. Students make presentations to faculty and to their peers.

597
Internship

598
Special Studies
Courses designated as 598 are nonrecurring or experimental courses.

599
Independent Study

Law School Courses
The following Lewis & Clark Law School courses have been approved as meeting Public Administration Program requirements. These courses will be offered on a consent-of-instructor basis. Please contact the MPA office for further details and enrollment procedures.

Environmental Law
Employment Discrimination
Oil and Gas Law
Public Lands Law
Water Law
The Lewis & Clark Special Education-Hearing Impaired Program has been a major regional resource since 1950 for the preparation of elementary and secondary teachers of the hearing impaired. Students are recruited nationally and obtain jobs primarily in Alaska, Montana, Idaho, Washington, and Oregon. The program enjoys a 100 percent placement record, with successful graduates finding challenging work in the field throughout the United States.

The program conforms to teacher preparation standards established by the State of Oregon and the Council on the Education of the Deaf (C.E.D.). The student who meets all requirements of the Lewis & Clark Program in Special Education-Hearing Impaired receives Master of Education degree and is eligible for an Oregon Basic Certificate as a teacher of the hearing impaired and a Provisional Certificate from C.E.D.

The program is fully accredited by the State of Oregon, the National Council on the Education of the Deaf, and the National Council for Accreditation of Teacher Education (N.C.A.T.E.).

The best preparation for the program is an undergraduate course of study which leads to certification as an elementary or secondary teacher or a communication disorders specialist. Students with other backgrounds may be admitted if they complete prerequisite, general, and elementary or secondary teacher requirements before finishing the program.

More than $1.1 million in federal grant money has been received over the years to assist the program. A limited number of federally-funded stipends may be available to students. Acceptance into the program automatically qualifies the student for stipends, if available.

The master’s degree program offers a full-time course of study which can be completed in one or two summers plus an academic year.

In addition to preparing teachers, the faculty provides regional in-service activities, consultation, and evaluation services for a variety of individuals and schools for hearing impaired individuals.

Resources for Nondegree Study
Lewis & Clark is the Northwest’s major in-service resource in the field of special education-hearing impaired. Through workshops, in-service classes, consultation, and program evaluation, professional education activities are provided for teachers, supervisors, and administrators, interpreters, support service personnel and other professionals, deaf adults, and parents of hearing impaired children.

During 1981-82, more than 1,000 individuals were involved in some professional growth activity offered through the Special Education-Hearing Impaired Program.

Each summer the program also offers a special seminar for graduates who have completed the first year of teaching. This seminar provides teachers with additional competencies or remedies teaching deficiencies encountered during their first year of teaching.

Faculty
Faculty members have been selected for their extensive experience and background in the field. All full-time faculty possess doctoral degrees and have national reputations for distinguished research and leadership in the field.

Admission
In addition to meeting the general standards for admission to all graduate programs, at Lewis & Clark College, applicants must also have completed prerequisite coursework in the following areas: social foundations of education, educational psychology, and child or adolescent psychology. The application procedure includes filing an application with the program, requesting two official transcripts of all undergraduate and graduate work be sent to the program director, completion of either the Graduate Record Exam or the Miller Analogies Test, with scores to be sent to the program director, and, if it can be arranged, an interview with the program director. A maximum of 15 quarter hours, or its equivalent, may be transferred to the program.

Programs of Study and Degree Requirements
The sequence of specialized coursework begins in June. Completion of requirements may be achieved in June of the following year or may require an additional enrollment, depending on the educational background of the student. A program of study is planned individually with each participant. If any of the required coursework has been completed during the last five years, approved courses may be substituted.
Practicum opportunities are varied. Observation, teacher-aide experiences, tutoring, micro-teaching, and the student teaching experiences are available with infants through high school and college-age hearing-impaired students. Practicum centers include the Washington, Oregon, Montana, and Idaho State Schools for the Deaf; various educational settings in Vancouver, Tacoma, Spokane, Seattle, Yakima, Longview, and other cities in Washington; various educational settings in Portland, Salem, Eugene, and other cities in Oregon; and in Anchorage, Alaska.

In addition to the specialized curriculum, all candidates for the M.Ed. in Special Education-Hearing Impaired must, prior to graduation, complete the following education courses or equivalent approved courses: Research Methods or Researching Teaching Goals and Strategies, The Use of Media in the Classroom, and Exceptional Child.

In addition to the specialized curriculum and required graduate courses, it is recommended that elementary majors also complete the following courses or equivalent courses: Elementary Science Methods, Elementary Math Methods, Elementary Social Studies Methods, Elementary Art Methods, and Elementary Health/P.E. Methods.

In addition to the specialized curriculum and required graduate courses, it is recommended that secondary majors also complete state requirements for a secondary subject matter endorsement.

**Curriculum**

**501**
**Psycho-Social and Educational Foundations of Deafness**
Brelje
Psychological, social, and educational implications of deafness and the history of the education of the deaf. 1 credit.

**505**
**Communications Systems I**
Bullard
Methods of developing speech, speech reading abilities, and existing residual hearing. 1 credit.

**506 or 507**
**Communications Systems II: Elementary or Secondary**
Bullard
A continuation of 505; speech development, auditory learning, and various methods used to communicate with the deaf. 1 credit each.

**515**
**Methods of Developing Language for the Hearing Impaired I**
Bullard
Basic principles of language development, with application to the diagnosis of the linguistic disabilities of the deaf child and to the development of teaching strategies. 1 credit.

**516 or 517**
**Methods of Developing Language for the Hearing Impaired II: Elementary or Secondary**
Bullard
A continuation of 515; patterns of language development and methods and materials used to teach the deaf; practicum experience. 1 credit.

**520**
**Audiology I: Anatomy and Physiology of the Speech and Hearing Mechanisms**
Charuhas
The nature of sound and the function of the ear, conductive and sensory-neural hearing losses, and medical and surgical aspects of hearing impairment. 2/3 credit.

**525**
**Audiology II: Audiological Testing**
Young
Pure tone, bone conduction, speech reception and discrimination evaluations; hearing aid use, construction, and evaluation. 2/3 credit.

**530**
**Curriculum and General Methods of Teaching the Hearing Impaired**
Brelje
Curriculum development and general methods of teaching hearing impaired individuals. 2/3 credit.

**536**
**Special Methods of Teaching Reading and School Subjects to the Hearing Impaired: Elementary**
McAllister
Methods and materials used in teaching reading and other subject matter areas to elementary hearing impaired students. 2/3 credit.

**537**
**Special Methods of Teaching Reading and School Subjects to the Hearing Impaired: Secondary**
Lorenzen
Methods and materials used in teaching reading and other subject matter areas to secondary hearing impaired students. 2/3 credit.

**540**
**Directed Observation**
Staff
Observation of on-site classroom activities at all levels from infant training through community college in both public and residential schools; various teacher-aide experiences and field trips to agencies serving the deaf. Activities are scheduled throughout the academic year. 1/3 credit.

**546 or 547**
**Student Teaching: Elementary or Secondary**
Staff
Supervised student teaching in a public school or residential school for the deaf during the full day for a ten-week period; supervision and guidance by the cooperating teacher and college coordinator of student teaching. 3 credits.

**580, 581, 582**
**Sign Language: Beginning, Intermediate, Advanced**
Staff
American Sign Language and sign systems which follow English syntax. The course is designed to meet individual needs according to competency in manual communications. Two of the three sign language courses are required unless competency allows the student to waive the courses. 2/3 credit each.
Lewis & Clark believes that graduate study is a serious undertaking, one which demands an intense commitment from students and faculty alike. Thus, the college establishes policies and procedures to assure that the highest possible standards are met, while providing some guidelines that help define a common graduate experience at this institution.

Policies and procedures at Lewis & Clark are not static. They are adapted as student needs change, as new problems and solutions are identified, and as the graduate faculty and students themselves set and seek ever higher standards. A degree or certification candidate may anticipate that basic expectations will remain consistent throughout the individual's program of study. However, since their primary

purposes are teaching and the pursuit of academic excellence, individual faculty members expect students to perform beyond minimum standards. To a great extent, an individual's final measure of success in graduate study at Lewis & Clark is a product of personal effort and intellectual growth.

Admission to Graduate Study
Each graduate program has unique admission requirements and procedures. These are listed in the appropriate program section. Application information for graduate study is available on request at each program office.

Meeting the minimum entrance requirements of a given program does not guarantee admission. Conditional Admission may be granted to applicants who meet certain admission requirements at the minimal level if other indicators suggest probable success in the program.

Each program requires applicants to take the Miller Analogies Test or the Graduate Record Exam. The Miller Analogies Test may be taken by appointment at the Lewis & Clark Student Counseling Center, 503-244-6161 x555, or at Smith Memorial Center, 1825 S.W. Broadway, Room M-342, 503-229-4428, Portland 97201. Information about Graduate Record Examination testing dates and sites may be obtained at the Career Planning & Placement Center in the Gatehouse, x580.

Admission of International Students
Lewis & Clark College is authorized under federal law to enroll nonimmigrant alien students. Graduates of American colleges and universities or of recognized degree granting institutions abroad are eligible to apply for a program of graduate study. It is frequently difficult to properly evaluate an international student's preparation in terms of American requirements for advanced degree programs. Most graduates of institutions abroad are routinely admitted with the understanding that they may be required to undertake certain work in order to make up deficiencies in preparation and that no commitment can be made regarding the time required to complete a course of study. Students should write directly to the appropriate program to obtain an admission package and to inquire about specific requirements and procedures.

The college does not offer financial aid or assistantships to graduate students, and international students are not eligible for loans. Thus, international students must prove their ability to support themselves financially while at Lewis & Clark College. They should request a Certificate of Financial Responsibility from the foreign student advisor. The completed form and documentation verifying resources (bank statement, scholarship letter) should be returned to the Foreign Student Office, Lewis & Clark College, Portland, Oregon 97219. Since there is no on-campus housing for graduate students, they should expect to have $5,500 for living expenses in addition to approximately $5,000 for tuition for the calendar year.

International students should have sufficient knowledge of the English language to follow their proposed program of study. All international students whose native language is other than English and who have not completed an undergraduate degree in the United States must submit the Test of English as a Foreign Language (TOEFL). For information and arrangements for taking the TOEFL, students should write to the Educational Testing Service, Princeton, New Jersey 08540.

A score of 550 is usually necessary to begin a graduate program, but there is flexibility in that score level. That is, other factors of achievement and aptitude will enter into an admission decision, especially regarding the graduate program in music performance.

Students who do not have sufficient skills in the English language may apply to the Institute for the Study of American Language and Culture, Lewis & Clark College, Portland,
Oregon 97219. When they have attained 550 on the TOEFL, they may apply for admission to graduate studies.

All students from abroad are required to have a medical examination before they come to the United States. They must also show proof of major medical coverage or enroll in the college insurance plan before registration.

**Admission Deadlines**

Applications must be completed by the following deadlines.

- **Fall 1983 admission:** Apply by July 1, 1983.
- **Winter 1984 admission:** Apply by November 1, 1983.
- **Spring 1984 admission:** Apply by February 15, 1984.
- **Summer 1984 admission:** Apply by May 10, 1984.
- **Fall 1984 admission:** Apply by July 1, 1984.

The Program in Special Education-Hearing Impaired has only one admissions cycle per year. Deadline for applications to the program is March 1.

**Admission Appeal Process**

Any applicant denied admission to a graduate program may reapply for admission according to published procedures, available in each program office.

Upon receipt of a letter denying admission, the applicant should contact the director of the program into which he or she sought admission. The director will convey to the applicant the reason(s) for the Graduate Admission Committee’s decision and explain the appeal process. If for any reason the applicant wishes to seek information about the reason(s) for denial or the process of reapplication from the chair of the committee—the associate dean of faculty for graduate studies—he or she may do so.

**Student Status**

**Special Student**

A Special Student is defined as:

1. A student who is not seeking a Lewis & Clark degree or certificate and does not intend to.

This student is taking courses solely for personal or professional enrichment.

2. A student who is interested in pursuing a Lewis & Clark degree or certificate but has not been formally admitted to graduate study. If a degree or certificate is desired, no more than two course credits may be taken under Special Student status, except in the Public Administration Program.

Special Student enrollment does not guarantee subsequent admission to any graduate program nor that the course work taken will be accepted for degree or certification requirements.

**Degree/Certificate Seeking Student**

A Degree/Certificate Seeking Student is defined as one who has been formally admitted to graduate study leading to a master’s degree; a teaching, administrative, or personnel services certificate; or both.

**Advisors**

The director of each graduate degree program is responsible for assigning advisors to students in that program. The Counseling Psychology Program has an open advising system and does not assign permanent advisors. In the other degree and certification programs, the assignment of a permanent advisor occurs immediately following admission to graduate study. Pre-admission advice is given by the appropriate program director.

**Sequential Responsibilities of Candidates in a Master’s Degree Program**

These steps apply for all degree programs.

1. **Apply for admission to graduate study.**

   Applicants should complete graduate study admission requirements before registering for any course work at the college, unless permission is granted by the appropriate program director. If, for valid reasons a student is unable to complete application prior to the opening of the term, the student will be granted Special Student status (see section on student status). All Public Administration Program students retain the Special Student status until the application for admission to candidacy is begun, upon completion of three courses in the program. See Public Administration section on admission.

2. **Design a formal study program with an advisor.**

   a. Students should design a formal program with a graduate advisor before registering for any course work but no later than the end of the first term of study, except in the Public Administration Program. The formal program in public administration is filed with the application for admission to candidacy.

   b. A copy of the formal program must be approved by the appropriate graduate program director.

3. **Complete the Approved Course of Study.**

4. **Apply for the degree.**

   Students must complete the degree application according to the scheduled outlined under "Degree Application and Conferral." Degree applications are available in the office of each graduate program.

**Advancement to Degree Candidacy**

After a student has been admitted to graduate study and has completed three courses, but not more than six, the individual’s performance is reviewed by the appropriate program director. At this point a final decision is made to allow the student to complete requirements for the degree.

The following steps are taken during the review:

1. Course grades are examined to determine whether a 3.0 grade point average is being maintained, whether more than two grades below B- have been earned and whether any grade lower than C- has been earned.

2. The courses taken are compared to those listed on the student’s formal program to ensure that the student is progressing as planned.
3. Information relevant to each degree/certification program is solicited from advisor(s), professors, and other sources.

If progress is unsatisfactory, the student is notified by mail and is required to meet with the program director to determine appropriate action. Unsatisfactory performance at any time may require extraordinary review with the possibility of dismissal.

Credit System
Lewis & Clark's academic year is composed of three terms, plus a Summer Session. Transcripts of a student's work reflect course credits, with one credit equivalent to five quarter hours. Courses are offered for one credit or for partial credit, as designated in each program's curriculum.

Transfer of Credit
Transfer of credit from other institutions is evaluated on an individual basis. Credit transfer is limited to the equivalent of 15 quarter hours under normal circumstances. Only courses with a grade of A or B are considered for transfer, and only those courses which carry letter grades may be transferred. Transfer credit is not granted for correspondence course work.

Transferable course work will be determined at the time a degree program is formally designed with a graduate advisor. The advisor evaluates and authorizes transfer credit.

Graduate Tuition & Fees for 1983-84
The cost of course work at Lewis & Clark is slightly more than at a state-supported institution. Costs for the 1983-84 academic year are listed below.

1 L&C credit: $404 (5 quarter hours)
2/3 L&C credit: $269 (3 1/3 quarter hours)
1/2 L&C credit: $202 (2 1/2 quarter hours)
1/3 L&C credit: $135 (2 1/3 quarter hours)

This tuition schedule applies to all graduate courses, except for applied music lessons and special programs as noted. Moreover, some courses charge additional fees for laboratory or off-campus work. Full tuition must be paid for any course which the student wishes to appear on a transcript.

Refund Policy
The general policy for graduate tuition refunds is as follows: If a student withdraws from a course during the first week of the term, no refund will be made. After the first week, the refund schedule is as follows:

- After the second week, 60 percent of the tuition will be refunded.
- After the third week, 50 percent of the tuition will be refunded.
- After the fourth week, 25 percent of the tuition will be refunded.
- After the fifth week, no refund will be made.

Special Fees
The following fees apply only to graduate students:
- Application to graduate study: $15
- Graduation fee: $25
- Registration with Teacher Placement Bureau (optional): $10
- Late registration: $5

The Teacher Certification Bureau of the Oregon Teacher Standards and Practices Commission charges a separate fee for teachers, administrators, counselors, and school psychologists applying for new certificates and endorsements and the renewal of current certificates.

Financial Assistance
The college participates in the National Direct Student Loan Program (NDSL) and Guaranteed Student Loan Program (GSL). Several other types of financial aid are also available.

A limited number of federally funded graduate stipends are available to students in the Special Education-Hearing Impaired Program. Full-time assistantships are available to second year students in the Counseling Psychology Program.

Full-Time Student Status
For financial aid purposes, full-time graduate student status requires continuous enrollment during fall, winter, and spring terms in coursework totaling at least one and one-half Lewis & Clark credits per term.

Graduate students receiving financial aid progress towards a degree. Students must be full-time and must complete four and one-half credits per academic year, no one term to be less than one and one-half credits.

Students who withdraw from LC or drop below full-time enrollment will be subject to a refund/repayment of their financial aid funds.

Applications for loans will be processed through the college's Financial Aid Office, x378. Students qualifying for V.A. benefits should contact Susan Galyn in the Registrar's Office, x207.

Registration
General registration for graduate students is held from 6 to 8 p.m. in Pamplin Sports Center on the day assigned. For late registration, pick up a class card and registration materials in the Registrar's Office, secure permission to enroll in class from the appropriate graduate program or faculty member, pay fees at the Business Office, and check out at the Registrar's Office.

Course Numbering System
100-299
Lower division undergraduate courses (may not be taken for graduate credit).

300-499
Upper division undergraduate courses (may be taken for graduate credit with permission of instructor or if part of a planned graduate degree or certification program).

500-599
Graduate courses

600-649
Graduate Continuing Studies courses applicable to a Lewis & Clark College master's degree or certification program.

650-699
Continuing Studies courses not applicable to a Lewis & Clark master's degree or certification program.

Note: No more than two L&C course credits (10 quarter hours) of 600-649 course work may apply to a graduate degree or certificate. Students should check with their program advisors before enrolling in any continuing studies course to determine whether the course desired will apply to their planned program.
Calendar
1983-84 Academic Year
Registration
September 12
Classes begin
September 13
Late registration fee ($5) applies
September 23
Last day to register, 4 p.m.
Last day to select CR/NC or grade
September 23
Degree application deadline
September 15
Last day to make up incompletes
October 21
Last day to withdraw
October 21
Last day of classes
November 23
Commencement

1984 Summer Session
Classes begin
June 18
Term I
Classes end
July 13
Note: Consult the Summer Session Bulletin for schedule details.

Grading System
To enable the faculty to signify finer discriminations of student academic performance, letter
grades may be accompanied by a plus or minus to be calculated into a student GPA as follows:
A+ = 4.0
A = 3.3
A- = 3.0
B+ = 3.0
B = 3.0
B- = 2.7
C+ = 2.3
C = 2.0
C- = 1.7
D+ = 1.3
D = 1.0
D- = 0.7
F = 0.0

Grading Policy
Students must maintain a B average (3.0) to be eligible for graduation. No more than two
credits (10 quarter hours) of C work (C+, C, or C-) can be counted toward a degree. Students who
receive a grade lower than C- in any course must repeat the course or replace it with
another course.
Under special circumstances, courses can be taken on a Credit/No Credit basis, but no more
than three credits of course work taken Credit/No Credit may be applied toward a
graduate degree program.
Students in a graduate nondegree program in
teacher education must maintain a 2.75 GPA.
Students in administrative certification programs
must maintain a 3.0 GPA.
Veterans. Lewis & Clark is required by law to report to the Veteran’s Administration any
graduate student receiving V.A. benefits whose cumulative G.P.A. falls below 3.0 for two
consecutive terms.

Incomplete Grades
All work should be completed by the end of a
college term. An Incomplete grade means that a
final grade is postponed due to illness or other
providential cause. This designation may be
replaced by a letter grade if the work is
completed within 30 class days of the next term
in which the student enrolls. In no case may the
Incomplete designation be changed after three
years. Incompletes are not calculated in the
grade point average.

Course Waivers
A student pursuing teacher, administrator,
counselor, or school psychologist certification or
an endorsement may waive a course or course
requirement in one or more of these ways:
1. By a written or oral examination by a
professor in the area in which competence is to
be tested (with permission of instructor).

2. By demonstration of skill, behavior, or other
knowledge which clearly reveals mastery in the
area in which competence is to be tested.
3. By a written recommendation from an
outside authority recognized by the college, e.g.,
a certified principal or superintendent, followed
by a thorough review of the recommendation
by a professor in the area in which competence
is to be tested.
A course successfully waived will be noted on
the student’s transcript in these ways: by
“competence examination,” “demonstration,” or
“recommendation” (or any combination). Peti-
tion to Waiver forms and specific waiver
procedures are available in each graduate
program office.

Thesis
Lewis & Clark College requires a thesis only for
the Master of Science in Counseling Psychol-
ogy. Students in other master’s degree pro-
grams may elect to complete an Independent
Research Study in place of one course. This
option should be taken at the time the graduate
program is planned and approved.

Residence
To establish residence in the M.A.T., M.A.T.-
programs, all course work must be completed at
Lewis & Clark College, except for a maximum
of 15 quarter hours of transfer credit. Students
should note that three programs have special
residency requirements.
The Special Education – Hearing Impaired Pro-
gram requires full-time continuous enrollment
during the academic year and summer sessions.
The Counseling Psychology Program requires
course enrollment during the academic year
with optional enrollment in summer sessions.
See Master of Music - Performance section on
program for residence requirements unique to
that degree.

Degree Application and
Conferral
The degree application, together with the $25
graduation fee, should be filed with the
appropriate program director before the applica-
tion deadline.
Fall graduation: September 15.
Winter graduation: November 15.
Spring graduation: February 1.
Summer graduation: May 15.

Degrees are conferred at the end of each term. Commencement ceremonies are held once a year in June for August, November, March, and June graduates.

A student intending to complete a program in August may participate in June commencement exercises if the degree application is submitted by February 1.

Summer Session
Lewis & Clark offers a variety of courses and scheduling options during the summer so students can satisfy master's degree or certification requirements by attending successive summers or by attending summer courses in conjunction with courses taken during the academic year. Courses provide graduate students with a full range of the core requirements in each program. In addition, a number of special programs, institutes, and workshops are available during the summer. Summer Session schedule bulletins are available in early spring each year. For full information on course offerings, special programs, and registration procedures consult the Summer Session Office.

Continuing Studies
The college provides continuing education courses, workshops, and conferences throughout the year. Included are educational experiences on and off campus for educators, counselors, public administrators, business managers, musicians, and other professional groups. Optional graduate credit offered through selected offerings may be applied to graduate programs, not to exceed two Lewis & Clark course credits (10 quarter hours). Students admitted to graduate degree or certification programs should consult with their advisors before enrolling in any continuing studies course to determine whether course credit will apply to their programs. (See "Course Numbering System" for details.) For specific information about 1983-84 programs, phone or write the Continuing Studies Office.

Emergency Information
The best source of help in an emergency is the Security Office, x340. An officer will either respond directly or call for necessary assistance like the Police Department, Health Service, or an ambulance. Whenever possible it is best to allow the Security Office to coordinate response to emergencies.

Only when the Security Office is not available by phone should you call in the police or an ambulance directly, and then you should be prepared to meet them at the Security Office. Police and ambulance drivers do not know their way around campus.

In case of a fire, please call the Fire Department directly and then notify the Security Office. Again, firemen must be met at the Security Office.

Bad Weather Emergency Procedures
During bad weather, students and faculty are notified of graduate evening class closures through notices on local radio stations. Several radio stations routinely include class closure announcements in their morning broadcasts. Additional evening closures may be broadcast between 2 and 5 in the afternoon. At the first meeting of winter term classes, instructors may also establish a telephone network among class members.

Accreditation
Lewis & Clark College is accredited by the Northwest Association of Schools and Colleges. All graduate programs are fully approved and accredited by appropriate associations and agencies, including the Oregon Teacher Standards and Practices Commission (TSPC), the National Council for the Accreditation of Teacher Education (NCATE), the National Association of Schools of Music (NASM), and the Committee on Teacher Preparation and Certification of the National Council on the Education of the Deaf (CED).
Registrar
The Registrar's Office, located on the main floor of Oddell Manor, is open from 9 a.m. to noon and from 1 to 4 p.m. Monday through Friday. During the first two weeks of each term, the office remains open until 5 p.m. For information regarding official academic records, requests for transcripts, and course schedules, phone x207.

Cashier
The Cashier's Office, located in the basement of Oddell Manor, is open from 9 a.m. to noon and 1 p.m. to 4 p.m. Monday through Friday. During the first two weeks of each term, the office will remain open until 5 p.m. Contact the office for information on costs, to pay tuition and fees, to inquire about your account, to change an address to which billing should be sent, and to pick up your paycheck if you are working on campus. If payment of tuition and fees presents a problem, the Cashier's Office will work with you to develop a payment plan. You may cash checks at the office with presentation of a current, valid Lewis & Clark I.D. card. If you wish to cash a check of $100 or more, please give the office 24 hours notice. Phone x205.

Bookstore
The bookstore is located mid-campus in Templeton Center on the Trail Room. It is open from 8:30 a.m. to 4:30 p.m. Monday through Friday throughout the year and from 6 to 8:30 p.m. Monday through Thursday when class is in session. Students may return textbooks for a full refund upon presentation of a sales slip and a drop course slip during the first two weeks of each term. For information phone x496.

Library
The Aubrey Watzek Library is open from 8 a.m. to 11:45 p.m., Monday through Thursday, when school is in session. It is also open Friday from 8 a.m. to 9:45 p.m., Saturday from 9 a.m. to 8 p.m., and Sunday from 10 a.m. to 11:45 p.m. During vacations the library provides full services from 8 a.m. to 5 p.m. weekdays.

Policies
Food and Drink: No food or drink is allowed in the Aubrey Watzek Library, to protect library materials and furnishings.
Smoking: Smoking is restricted to the northwest area of the top floor where the microfilm center and periodicals are located. This area accommodates approximately 50 people.
Stipulation: If the air system cannot provide the necessary ventilation and/or smokers abuse the privilege by smoking elsewhere in the library, a no smoking policy will be enacted.
Circulation Fines: Fine accrue beginning the day following the date due.
Circulation Services
You may borrow books, records, and government documents from the library. Present your student identification card at the circulation desk, and sign your name and box number on the circulation card. The date due will then be stamped on the material.

If materials fall overdue, you will receive a notice. Fines are $1 per book per week. The maximum fine accrued for one book is $5. If you return the book and pay the fine promptly, your fine will be reduced by half. If you lose a book, report it to the circulation desk immediately. We will then stop the fine and be alerted to look for the book. If you do not find the book you will be charged for its replacement.

Reserve Books
Books considered essential or required reading for a class are frequently put on reserve at the circulation desk. Books on reserve are listed in the notebook on the circulation counter. They circulate for limited periods of time (two hours, one day or three days) to allow students to have adequate access. To encourage timely return of reserve books, the fines are high. Two-hour reserve books are 25¢ for each hour overdue, one-day reserve books are 25¢ for the first hour overdue and 10¢ for each hour thereafter, and three-day books are 25¢ per day overdue. Maximum fine is $5 per book.

Copying Services
If you wish to make paper copies, two copying machines are available adjacent to the reference desk on the third floor. Each machine costs 5¢ per copy.
Paper copies may also be made from microfilm or microfiche. A microfilm reader-printer and microfiche reader-printer are located in the periodicals reading area. Each machine costs 10¢ per copy.

Interlibrary Loan Service
If you need a book or an article not in this library, fill out an interlibrary loan request form at the interlibrary loan desk on the third floor. After you return the completed form, we locate the requested material at the nearest possible library.
We locate large number of requests at Portland State University. Those materials are picked up by a student courier within 48 hours of your request. Most articles and books not at Portland State are available at other libraries in Oregon; delivery time for those is generally less than ten days. Out of state requests are sent on a computer and turn-around time averages less than two weeks. You pay nothing for this service at Lewis & Clark.

New Book Collection
Newly published books are shelved on the bridge between the reference desk and the periodical collection. You are welcome to browse the collection, which is fully cataloged by subject. Books published in the current year, as well as those published in the previous year, are shelved here. They circulate for the regular time period. You may locate the books by author, title, or subject in the card catalog.

Dialog
Students and faculty may request an on-line literature search through Dialog at the library. Dialog provides access to more than 100 data bases in all disciplines. Most data bases are on-line versions of paper indices, such as Psychological Abstracts, Chemical Abstracts and Biological Abstracts. An on-line search is particularly helpful when you are researching a complex
issue with several major topics or doing comprehensive research which involves a thorough search through years of indexes. A librarian will interview you to ascertain your needs and construct a search strategy, then perform the search on a terminal in the library. The results are a lengthy bibliography of articles pertinent to your topic. If you feel such a search would benefit you, complete the questionnaire available at the reference desk and a reference librarian will assist you. In some cases there will be adequate material available to you without a computer search. The reference librarian can help determine that. This service is provided free.

Audio-Visual Services
The Audio-Visual Center offers many services to students and faculty. Various types of equipment may be checked out, such as projectors, record players, tape recorders, and video recorders. Valid I.D. must be presented when equipment is checked out. You may reserve equipment in advance by calling x401.

The department also produces teaching materials including filmstrips, slides, overhead transparencies, and laminated and mounted materials.

If you wish to rent a film or search through film catalogs, the audio-visual assistant can help you. All rented and borrowed films may be arranged through the department, which also maintains a large collection of film catalogs.

Literature Searching Assistance
Literature searching is the systematic examination of published material on a specific subject, aimed at locating or identifying specific information or sources of information. It is generally part of a research project. It involves a variety of bibliographic "tools," and forms part of the reference service offered at our library.

Any librarian at the reference desk has the background to help you with general questions, but most of our librarians also have advanced knowledge and experience in particular subject areas, such as history, education, sciences, etc. If you are doing detailed or advanced work, such as writing a research paper, you may ask for an appointment with the subject specialist in your area. Just fill out a Worksheet For Literature Searching (available at the reference desk), stating your topic clearly.

Your scheduled session will take about an hour. You and the subject specialist will discuss your topic and which subject headings, reference books, and indexes will be most helpful to you. You are responsible for doing the research yourself, but this service will help you find your way. For some topics involving a complex combination of concepts, the librarian may also suggest that a computer be used to help locate information. You and the librarian will do this together. The result will usually be a list of references to the periodical literature, much as you find in the periodical indexes, but limited to the last few years.

Allow plenty of time for the research process. You will need time for your scheduled appointment, time to obtain the identified material, and time to digest the information you find.

If you have any questions about the literature searching assistance, ask at the reference desk.

Computing Services
Computer services at Lewis & Clark are designed to meet a range of needs and to provide a multitude of services for students and faculty. There is no charge to students for course-related computer activities. Programs include a text editor, often used to prepare papers; other packages such as a Statistical Package for the Social Sciences (SPSS); and assorted programs contributed by members of the community. In addition, the VAX system accepts programs in the languages of Basic, Fortran, Pascal, and Cobol.

Most of the terminals for academic use are located in two terminal rooms, Olin 304 and Bio-Psych 6. Each houses about 10 terminals, a printer, and several other devices, including graphic terminals, a graphics hardcopy unit, and a music tone box. A special seminar room in Sacajawea is also available for instruction and special computer demonstrations. In general, both terminal rooms are open from 7 a.m. to 11 p.m. weekdays, 9 a.m. to 5 p.m. Saturdays, and 1 to 11 p.m. Sundays.

An additional terminal in the business-economics office building is reserved for those who are involved in faculty research projects. Consult your program director for details.

Several forms of assistance are available to computer users. Terminal room assistants (TRAs) are students who volunteer some of their time to maintain terminal rooms and help you run programs in exchange for special computing privileges. Programming lab assistants (PLAs) help debug programs, explain topics in manuals, and suggest programming alternatives to you. All hours for TRAs and PLAs are posted in the terminal rooms.

For further information about computers on campus visit one of the terminal rooms or phone x230.

Writing Skills Center
The Writing Skills Center provides individual writing instruction in the form of one-to-one conferences with a tutor. The staff encourages students to seek help on papers and assignments for regular courses. Available to any Lewis & Clark student, the service is staffed by two professional writing instructors and carefully selected student tutors. The center is located in Albany 103 and is open from 9 a.m. to 5 p.m. weekdays. To make an appointment, phone x252.

Math Skills Center
The Math Skills Center, adjacent to the Writing Skills Center in Albany Quadrangle, has drop-in hours which vary from term to term depending on staff availability. Hours are posted on the door of the center. To make an appointment for individual help, phone x498.

Duplicating Services
The Duplicating Center (print shop) offers a
variety of services and has the capacity to handle most printing or duplicating requirements. The center is open 8 a.m. to noon and 1 to 5 p.m. weekdays.

A plain paper copier and a ditto or spirit duplicator are available on a self serve basis for simple or quick jobs. Coin operated photocopy machines are located on the main floor of the library, in the Biology/Psychology Building, and at the Information Desk in Templeton College Center.

For additional information, phone x380.

Food Services
College food services are operated by Saga, Inc. Fields Dining Room, located in Templeton College Center, is the main dining room for resident students. Breakfast, lunch, or dinner meal tickets may be obtained from the Saga Office, x540. In addition, full-time students can take advantage of three meal plans. Details may be obtained from the Business Office, Residence Halls Office, or Saga. Weekday meal hours are: Breakfast, 7-8 a.m. Continental breakfast, 8-8:30 a.m. Lunch, 11:30 a.m.-1:15 p.m. Dinner, 4:30-6:15 p.m. Saturdays: Breakfast, 8-8:30 a.m. Continental breakfast, 8:30-9 a.m. Lunch, noon-1 p.m. Dinner, 5-6 p.m. Sundays: Brunch, 11 a.m.-1 p.m. Dinner, 5-6 p.m.

The Trail Room, adjacent to the Bookstore in Templeton, offers a variety of foods throughout the day and evening. During the school year hours are: Monday-Thursday, 7 a.m.-10 p.m. Friday, 7 a.m.-9 p.m. Vacation schedules vary; for information phone x539.

Athletic Facilities
All college athletic facilities are available to graduate students at no charge. Pamplin Sports Center has three Tartan-surfaced basketball courts, a carpeted weight training room, three squash courts, saunas, and locker rooms. Adjacent to the gym is the 25-yard swimming pool with one-meter and three-meter diving boards.

Griswold Stadium has an eight lane, quarter mile, all weather track. Completing the sports facilities are six tennis courts, a practice field and the Huston Sports Complex, with additional space for baseball, softball, soccer, and intramural sports.

For information about availability of the gym, phone x450. Pool hours during the academic year are: Monday-Friday, noon-1 p.m. Monday-Thursday, 7-9 p.m. Saturday and Sunday, 1-4:30 p.m.

Health Services
Located on the lower level of Templeton College Center, the infirmary provides a variety of health services. Comprehensive services are available for all full-time students who live on or off campus. For information regarding eligibility for a variety of services, phone the Dean of Students Office, x270.

Emergency Procedures
In any emergency involving the health of a Lewis & Clark student, phone x280. Whenever possible it is best to allow the Security Office, x340, to coordinate responses to an emergency.

An officer will respond directly and call in necessary assistance from the infirmary or an ambulance.

Counseling Center
The student counseling center, located on the third floor of Odell Manor, is a broad based service designed for facilitating student learning and growth. The staff consists of two full-time counseling psychologists and two intern counselors. Consultation and referral services are provided in conjunction with several local psychiatrists. The center is open from 8 a.m. to 4 p.m. daily. The staff is on call at all times for emergency assistance.

The Counseling Center also provides vocational, personal, and intellectual testing services. Test results are considered confidential information and may be released only with the client's written permission. Counseling summary notes are considered the private property of the counselor and will be released only to professional counselors with the written permission of the client.

A small fee is charged for some tests; all other services are free to Lewis & Clark students. A referral is not necessary. To schedule an appointment, phone x555.

Career Planning & Placement
The Career Planning & Placement Center is located in the Gatehouse at the main entrance to campus. The center maintains an excellent circulating library containing information about work, information on hundreds of companies, many graduate school catalogs, and registration materials for graduate and professional school testing.

Professional career counselors are available to talk with you about career interests. You need not have a specific agenda in mind to make good use of time with a counselor. The office is open 8:30-noon and 1-5 p.m. The center will also be open one evening a week, from 5 to 7 p.m. Drop in anytime during the work day or phone x580 for an evening appointment.

Templeton College Center
Templeton College Center houses a number of offices, dining rooms, meeting rooms, the Council Chamber, several lounge areas, the infirmary, bookstore, and bakery. The building opens at 8 a.m. each day and remains open until 11 p.m., or midnight on Fridays and Saturdays.

Student assistants are available at the Information Desk, x576, to help with questions on upcoming campus events, phone numbers, directions, bus schedules, etc.

Campus Events
A campus events office is located in Templeton College Center. The college encourages graduate students to participate in all campus events—concerts, lectures, plays, cultural arts series, and the like.

Tickets for cultural arts on campus and for selected shows downtown sponsored by Celebrity Attractions are available from the campus events office. For additional information, phone x576 between 8 a.m. and 5 p.m. weekdays.
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DEPARTMENT - EDUCATIONAL ADMINISTRATION
CHAIRMAN - DANIEL DUKE, ED.D.
OFFICE - BODINE

501 INTRO TO EDUC ADM                            | 2/3     | 64000  | 64010   | 64020   |          | SCHMUCK         | M5-800    | EDM 10 |
| 502 SUPERVISE EDUC STAFF EDAD501                | 2/3     | 64030  | 64040   | 64060   |          | SCHMUCK         | T5-800    | EDM 10 |
| 504 MGMT FINANCIAL RESOURCE                     | 2/3     | 64070  | 64080   | 64090   |          | DUKE           | M5-800    | EDM 8  |
| 505 FORMAL ORGANIZATIONS                        | 2/3     | 64100  | 64110   | 64120   | 64130    | KATTERLE        | T5-730    | EDM 202|
| 506 NEGOTIATION/COLL BARG                       | 2/3     | 64140  | 64150   | 64160   | 64170    | KATTERLE        | H5-930    | EDM 11 |
| 507 PERSONNEL MANAGEMENT                        | 1/2     | 64180  |         |         |          | EGAN           | H6-900    | EDM 10 |
| 509 PRACTICUM-PRINCIPAL/VP                      | 1/2     | 64110  | 64120   | 64130   | 64140    | H6-900          | EDM 11   |
| 510 PRACTICUM-SUPERINTEND'T                      | 1/2     | 64120  | 64140   | 64150   | 64170    | SCHMUCK         | T5-730    | EDM 201|
| 512 POLICY DEVELOPMENT                          | 2/3     | 64190  | 64200   | 64210   |          | ERIKSON         | H5-730    | B 302 |
| 513 LEADERSHIP SEMINAR                          | 2/3     | 64250  | 64260   | 64280   |          | SIMINGTON       | M530-     | B 302 |
| 521 ELEMENTARY SCH ORGANIZ                      | 2/3     | 64220  | 64230   | 64250   |          | GATHERCOAL      | TBA       | ARR   |
| 522 SECONDARY SCH ORGANIZ                       | 2/3     | 64240  | 64280   | 64260   |          | NEILL-CARLTON   | M5-800    | EDM 3  |
| 530 MANAGING STUDENT BEHAV                      | 2/3     | 64300  | 64310   | 64320   |          |                | T5-800    | EDM 8  |
| 531 TEACHING-LEARNING PROC                      | 2/3     | 64400  | 64410   | 64420   |          |                | T5-800    | EDM 8  |
| 543 LAW AND PUBLIC EDUC                         | 2/3     | 64430  | 64440   | 64450   |          |                | T5-800    | EDM 8  |

DEPARTMENT - MASTER OF ARTS IN TEACHING
CHAIRMAN - MARY KAY TETREAUT, ED.D.
OFFICE - BODINE

EDUCATION

500 RESEARCHING TEACHING GOALS AND STRATEGIES    | 2/3     | 54010  | 54020   | 54030   |          | STAFF          | T 5-8     | BTH 3 |
| 501 EVALUATING THE OUTCOMES ED 500              | 1/3     | 54040  | 54050   | 54060   | 54070    | STIGGS          | T 5-8     | BTH 1 |
| OF TEACHING                                     |         |        |         |         |          | STAFF          | M 6-9     | BTH 1 |
| 502 PERSONAL AND SOCIAL DIMENSIONS OF TEACHING  | 2/3     | 54080  | 54090   | 54100   |          | WALLACE         | W 630-    | ALB 120 |
| 503 STUDENT DEVELOPMENT AND ED 501             | 2/3     | 54010  | 54020   | 54030   |          | W 630-         | ALB 120   |
| LEARNING                                       |         |        |         |         |          |                | H 730     | BTH 1 |
| 504 INDIVIDUALS IN THE CLASSROOM (GR 4-12)     | 2/3     | 54110  | 54120   | 54130   |          | MOORE           | H 730     | BTH 1 |

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502 THE NATURE OF SCIENCE & TECHNOLOGY EDUCATION | SCI 500 | 2/3 | 41020 | McCONNELL | M 5-8 |
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NOTE: IN ADDITION TO THE COURSES LISTED ABOVE, SEVERAL LAW COURSES IN THE LAW CURRICULUM ARE AVAILABLE TO PA STUDENTS. SEE COURSE DESCRIPTION AT BACK OF CATALOGUE.
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President: James Gardner, x500.
Dean of Faculty: Andrew Rembert, x350.
Associate Dean of Faculty for Graduate
Studies: Paul Magnusson, x350.
Director of Aubrey Watzek Library: Leonoor
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Luenders, x295.
Director of the Special Education-Hearing
Impaired Program: William Brelje, x476.
Director of Summer Session/Continuing Stu-
dies: Sid Eder, x217.

Key to Buildings
Alb: Albany Quadangle
Art: Art Building
B: BoDine
BPB: Biology-Psychology Building
BTh: Thaxter Classrooms
E: Evans Music Building
Edm: Edmonds Classrooms
OPC: Olin Physics-Chemistry
Laboratory Building
PSC or PC: Pamplin Sports Center
Sac: Sacajawea
Thr: Throckmorton Classrooms
TTD: Special Education-Hearing Impaired

Further Information
For additional information on graduate pro-
grams, contact the appropriate program direc-
tor or Paul Magnusson, associate dean of
faculty for graduate studies.
Lewis & Clark College
Portland, Oregon 97219 Phone 503-244-6161

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