

School of Music

Director: E. Scott Harris, Corthell Hall, Gorham

Professors: Fithian, Kargul, Martin, Russell; *Associate Professors:* Boden, Chickering, Harris, Kaschub, Keef, Oberholtzer, Parchman; *Assistant Professors:* Christiansen, Lehmann, Owens, Sonenberg; *Professor Emeritus:* Cole; *Adjunct Faculty:* Gunn, Kaschub, Kissack, Packales, Vaillancourt

Artist Faculty Piano: Anastasia Antonacos, Thomas Buccì, Laura Kargul; *Organ:* Ray Cornils; *Voice:* Ellen Chickering, Bruce Fithian, Christina Astrachan, David Goulet, Judith James, Malcolm Smith, Margaret Yauger; *Violin:* Robert Lehmann, Ferdinand Liva; *Viola:* Robert Lehmann; *Cello:* William Rounds; *Bass:* Bronislaw Suchanek; *Flute:* Jean Rosenblum; *Oboe:* Neil Boyer; *Clarinet:* Thomas Parchman; *Saxophone:* Timothy O'Dell, Bill Street; *Bassoon:* Ardith Keef; *Trumpet:* Betty Rines, John Schnell; *French Horn:* John Boden; *Trombone:* Brian Diehl, Mark Manduca; *Euphonium:* Mike Milnarik; *Tuba:* Mike Milnarik; *Percussion:* Nancy Smith; *Harp:* Jara Goodrich; *Classical Guitar:* Keith Crook; *Jazz Guitar:* Gary Wittner; *Jazz Bass:* Bronislaw Suchanek; *Jazz Drums:* Les Harris, Jr.; *Jazz Piano:* Ryan Parker; *Jazz Trumpet:* Trent Austin; *Jazz Voice:* Michelle Snow; *Musical Theatre Coaching:* Edward Reichert

The University of Southern Maine School of Music trains and educates musicians who will pursue careers as performers, teachers, and scholars. The School also assumes a responsibility for educating tomorrow's audiences through its courses for general students and through its presentation each year of more than 100 performances by faculty, guest artists, and students.

The School of Music offers a number of music ensembles open to all students, a number of courses primarily for non-majors, and concentrated study in the areas of music history, music theory, performance, and music education. Students majoring in music may earn a baccalaureate degree in education (bachelor of music in music education), in arts and sciences (bachelor of arts in music), or in music (bachelor of music in performance). In addition, a minor in music is offered for students in the College of Arts and Sciences. Students who wish to pursue a self-designed major in music should consult the director of the School of Music.

Admission Requirements

Admission to degree programs in music will be based on the following criteria: a) the applicant's high school record, including recommendations, and SAT achievement scores; b) an audition, which includes performance on the applicant's major instrument, and tests in aural comprehension, rhythmic recitation, and sight singing which are administered to each applicant individually by a member of the staff; and c) a written musical achievement test. In addition, music theatre applicants must prepare a two-minute monologue and be prepared to execute a simple movement combination.

At the time of first registration in the School of Music, a determination will be made, based on the number of credits accepted in transfer, of how many semesters will be required as a full-time USM student. The student will then be responsible for that many semesters of the recital class and ensemble requirements, regardless of whether the student continues on a full-time or part-time basis.

Students who desire to apply for advanced standing in music curricula should apply to the director of the School for a special examination.

School Standards

Students enrolled in the music education program will perform a juried exam at the end of each academic year. Students enrolled in a performance degree program will perform a juried exam at the end of each semester. The jury panel will determine the level of performance, grade the performance pass/fail, and submit a written evaluation that will be included in the student's file. Students who fail the juried exam will be placed on probation. Students who fail two consecutive juries will be dismissed from the program. Students are required to perform at the appropriate level of competence as established by the music faculty, and may perform required recitals only after attaining appropriate jury levels.

Students must earn grades of C- or better in all courses that count toward fulfillment of major requirements. D and F grades do not fulfill prerequisite requirements. However, an exception will be made for Basic Conducting. In this course a grade of D will allow the student to progress to Instrumental or Choral Conducting. If a grade of C- or better is earned in this next semester, the preceding semester need not be repeated. If a grade of D or F is earned in this next semester, both semesters must be satisfactorily repeated in proper sequence. No course may be repeated more than once. Students who fail in the second attempt to pass a course with a grade of C- or better will be dismissed from the program.

Students must attain a 2.25 minimum grade point average before being admitted to junior- or senior-level music major courses. Students who do not meet academic or applied music standards will be placed on probation and may be dismissed if by the end of the following semester they do not meet these standards. Music education majors must have a grade point average (GPA) of at least 2.5 and have passed Praxis I and II exams to enroll in student teaching (EDU 324).

A student will be placed on probation or dismissed by the director of the School when they do not meet the standards of the School of Music. While on probation, a student should carry a maximum of a 14-hour credit load. Students who have been dismissed may not enroll in music major courses, but may re-audition after one semester.

Music Fees

An applied music fee of \$200.00 per semester for hour lessons, or \$100.00 per semester for half-hour lessons will be charged all undergraduate music majors in addition to the University tuition fee. Applied lessons for undergraduate music majors, beyond those required for the degree, will be subject to a fee of \$240.00 for half-hour lessons and \$480.00 for hour lessons in addition to the University tuition fee.

For a music minor the University will subsidize the applied music fee, to a maximum of eight credit hours, if the student demonstrates adequate proficiency. The student will pay \$200.00 per semester for hour lessons and \$100.00 per semester for half-hour lessons in addition to the University tuition fee.

Students other than music majors and minors will be accommodated for applied music lessons if a teacher's time is available, and will be subject to a fee of \$240.00 for half-hour lessons or \$480.00 for hour lessons in addition to the University tuition fee.

Students registering for applied music must report to the director of the School for assignment to an applied music teacher and scheduling of lessons. All fees must be paid before lessons commence.

A chamber music fee of \$50.00 per section of chamber music will be charged to each person participating in coached chamber music.

Programs and Requirements

Music Core Requirements

To be considered a music major in good standing, and to be eligible for applied music subsidies, a student must be making reasonable progress toward the completion of a music degree. Initially, this will be interpreted to mean consistent progress toward completion of the music core and compliance with all other Department requirements.

Each student enrolled as a major in a music degree program will take the following courses during the first two years:

MUS 120G, 121G, 220G, 225	History of Music/World Music
MUS 130F, 131, 230, 231	Music Theory
MUS 132, 133, 232, 233	Sight Singing and Ear Training
Musical Theatre majors take all history courses except MUS 121.	

Concert Attendance Policy

All music majors are required to attend a number of concerts and recitals each semester in order to maintain good standing in the School. Failure to meet the requirements of this policy can result in probation and suspension. The policy is administered through MUS 442 Recital Class.

Bachelor of Music in Music Education (MUE)

This degree program prepares students for careers in music teaching. Students completing this course of study are prepared to apply for Maine state teacher certification for kindergarten through grade 12. Certification applications must be

accompanied by scores from the Praxis I national teaching exam taken during the sophomore year, and the Praxis II exam taken before student teaching. Students are advised to meet with their advisor if they are seeking teaching certification in states other than Maine. Because a person must first be a good musician in order to be a good music educator, the program includes substantial work in music theory, ear training, music history, applied music, ensembles, and conducting, in addition to music education methods courses and field experiences. Students elect (1) instrumental concentration, (2) vocal concentration, or (3) a combined program which includes major portions of both the instrumental and vocal concentrations.

The minimum number of credits (exclusive of the University's Core curriculum) required for the major, instrumental concentration: 100; vocal concentration: 100.5; or combined concentration: 101.

All students are reminded that, in addition to meeting School requirements for a major leading to a baccalaureate degree, they must also meet the University's Core curriculum requirements.

All music education majors are required to take the following 22 hours of professional education courses: MUE 100 Introduction to Music Education; MUE 220 Historical Foundations and Learning Theories of Education; EDU 324 Student Teaching; HRD 200J Human Growth and Development; and EDU 335 Exceptional Students in the Classroom.

Additionally, all music education majors will meet the following requirements:

1. Fulfillment of minimum requirements in both voice and piano, regardless of major instrument. Music education keyboard majors must satisfy the requirements of MUS 251 (Piano Class IV), either by examination or enrollment, prior to student teaching. Music education voice majors who have passed MUE 226 (Vocal Pedagogy) and a senior recital will not be required to take MUS 350 and 351 (Voice Class I, II).
2. Successful completion of 3.5 credit hours in Chorale or Chamber Singers and 3.5 credit hours in the appropriate major instrumental ensemble (Concert Band for winds and percussion, or University Orchestra for strings). Students who do not meet the audition requirements of either Concert Band or University Orchestra will be assigned to Percussion Ensemble. Pianists will satisfy one credit of this requirement through MUS 452 Accompanying. Guitarists may take up to one credit of this requirement in chamber music. All transfer students must complete a minimum of one credit of the appropriate major ensemble at USM. All instrumental music education majors must enroll in either MUS 408 Wind Ensemble or MUS 406 Chamber Music for a minimum of one semester. Keyboard majors will fulfill this requirement through MUS 452 Accompanying.
3. Successful completion of seven semesters of major applied music lessons.
4. Successful completion of recital class in each semester when registered for major applied lessons. The requirement is fulfilled after seven successfully completed semesters, even if the student continues to study applied music.
5. Presentation of a solo recital in the senior year (or junior year with special permission). The recital contains 30 minutes of music including at least 25 minutes of solo performance; the remainder may be chamber music. Normally the program will be shared with another MUE senior or MUP junior recital. A longer (full-length) program requires the special approval of the faculty. A student may not perform the required recital during the semester of student teaching.

Student Teaching Student teaching is the culmination of a comprehensive, pre-professional, required sequence of activities that includes the following:

Freshman year: all first-year music education majors enroll in MUE 100 Introduction to Music Education.

Sophomore year: All second-year music education majors enroll in MUE 220 Historical Foundations and Learning Theories.

Junior year: music courses wherein students observe, plan, and teach in classrooms.

Senior year: student teaching that includes general classroom and ensemble teaching experiences.

Professional Education: Music Education Courses Courses marked with an asterisk (*) are offered on a rotating basis. Students should work closely with their advisors in planning their courses of study in the music education program.

All music education majors must complete the following courses:

MUE	221	Brass Class
MUE	222	Percussion Class
MUE	224	Woodwinds I
MUE	320	String Class—Violin and Viola
MUE	322	General Music Methods K-12
MUE	326	Jazz Methods

For instrumental concentration, these additional courses must be completed:

*MUE	225	Woodwinds II
*MUE	321	String Class—Cello and Bass
*MUE	324	Instrumental Methods
*MUE	420	Marching Band Techniques

For vocal concentration, these additional courses must be completed:

*MUE	226	Vocal Pedagogy
*MUE	323	Secondary Choral Methods
*MUE	325	Elementary and Middle Level Choral Methods

For combined concentration, these additional courses must be completed:

*MUE	225	Woodwinds II
*MUE	324	Instrumental Methods
*MUE	323	Secondary Choral Methods

Elective Concentration in Jazz Education (MUE) Students seeking an elective concentration in jazz education must fulfill all the requirements for either the instrumental concentration, the vocal concentration, or the combined concentration, along with the following additional courses:

MUS	407	Jazz Ensemble (1 credit)
*MUS	380	Jazz Improvisation I (3 credits)
and 3 credits in any of the following:		
*MUS	206	Jazz History (3 credits)
*MUS	381	Jazz Improvisation II (3 credits)
*MUS	337	Jazz Arranging (3 credits)
MUP	201	Applied Music—Jazz: Brass, Woodwinds, Voice, Guitar, Piano, Bass, Percussion (3 semesters)

Musicianship: Music Courses Courses marked with an asterisk(*) are offered on a rotating basis. Students should work closely with their advisors in planning their courses of study in the music education program.

All music education majors must take the following courses:

Music Core Requirements, 28 credits		
MUP	202F	Applied Music Major, 14 credits
MUP	491	Recital
MUS	150	Piano Class I
MUS	151	Piano Class II
MUS	244	Basic Conducting
MUS	250	Piano Class III
MUS	251	Piano Class IV
MUS	350	Voice Class I
MUS	351	Voice Class II
MUS	420	Orchestration
MUS	442	Recital Class (seven semesters)
MUS	401F	University Chorale (seven semesters)
or		
MUS	405F	Chamber Singers (seven semesters)
MUS	402F	Concert Band (seven semesters)
or		
MUS	400F	Orchestra (seven semesters)

The following courses apply to each specialized music education curriculum.

Instrumental concentration:

*MUS	344	Instrumental Conducting
*MUS	240, 340	Instrumental Conducting Lab

Vocal concentration:

*MUS	255	Guitar
*MUS	345	Choral Conducting

*MUS	241, 341	Choral Conducting Lab
MUS	404	Opera Workshop
THE	290	Oral Interpretation of Literature (not required, but strongly recommended)

Combined concentration:

*MUS	255	Guitar
*MUS	344, 340	Instrumental Conducting & Lab

or

*MUS	345, 341	Choral Conducting & Lab
MUS	404	Opera Workshop

The Teacher Education Council, comprised of deans, department chairs, faculty, and school representatives from all programs offering initial teacher preparation, is the governing body for program review and evaluation for all initial-level teacher education programs at USM.

Bachelor of Arts in Music (MUS)

This degree program is designed to provide the opportunity for a scholarly study of music to meet the needs of those who wish to obtain a liberal education with an emphasis on music and those who plan to do graduate work in music. The program aims to instill a thorough understanding of music and its relationship to contemporary society. The study of music history and theory is central in this curriculum. Sufficient flexibility is built into the program to allow the individual student to establish areas of emphasis both in music and in the arts and sciences.

The minimum number of credits (exclusive of the University's Core curriculum) required for the major: 96.

Courses marked with an asterisk (*) are offered on a rotating basis. Students should work closely with their advisors in planning their courses of study in this degree program.

Music Core Requirements, 28 credits

*MUS	320	Seminar in Music History
*MUS	330	Form and Analysis
*MUS	332	Counterpoint

Either

*MUS	333	Advanced Analysis of Tonal Music
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or

*MUS	335	Advanced Aural Skills
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Applied Music (4 credits)

Recital Class (8 semesters, no credit)

Performance Ensembles (4 credits) All transfer students must complete a minimum of 1 credit of ensemble at USM.

Music Electives (8 credits)

Electives from outside the School of Music (40 credits; these electives include, as appropriate, language proficiency)

Language proficiency means completion of a second year of a language. This may be bypassed by examination for no academic credit.

The University will subsidize up to a total of 16 credit hours of applied music lessons for B.A. music students.

Bachelor of Music in Performance (MUP)

This degree program is designed for those who wish to prepare for a career in music performance and/or applied music teaching, and those who plan to do graduate work in applied music. The program aims to instill a thorough understanding of music and its relationship to contemporary society. Private lessons; solo, chamber and large ensemble performance; and the study of literature and pedagogy of the major instrument are emphasized. Basic understanding of the standards and opportunities for professional performance leads the student to realistic expectations for a career as a performer or teacher.

The minimum number of credits (exclusive of the University's Core curriculum) required for the major: 96.

Courses marked with an asterisk (*) are offered on a rotating basis. Students should work closely with their advisors in planning their course of study in this degree program.

Music Core Requirements, 28 credits		
MUS	244	Basic Conducting
MUS	321	Literature of the Major Instrument
*MUS	330	Form and Analysis
*MUS	332	Counterpoint
Either		
*MUS	333	Advanced Analysis of Tonal Music
or		
*MUS	335	Advanced Aural Skills
MUS	442	Recital Class (eight semesters)
MUP	203	Applied Music, Major Instrument (eight semesters)
MUP	390	Junior Recital
MUP	490	Senior Recital
MUS	150, 151, 250, 251	Piano Class I, II, III, IV (non-keyboard majors only)
MUS	360,361	Advanced Keyboard Skills I, II (keyboard majors only)
MUS	372	Pedagogy of the Major Instrument
THE	120	Acting I: Stage Movement (voice majors only)
THE	103F	Contemporary Dance (voice majors only)
THE	220	Acting III: Scene Study (voice majors only)
Music Electives (4 credits)		
Performance Ensembles (6 credits)		

Electives in any college (voice majors, 9 credits; all others, 15 credits)

Diction for Singers (MUS 356) is required of voice majors only and may be taken in lieu of three credits of music electives. Voice majors must meet a minimum proficiency in Italian and either French or German either by exam or through completion of the second semester of the basic course in the Department of Modern and Classical Languages and Literatures.

Performance majors must have a minimum of 4 credit hours in the appropriate major ensemble and 2 credit hours in chamber music. Piano majors must complete 2 credit hours in chamber music and the remaining 4 credit hours in chamber music, accompanying, or playing keyboard in a conducted ensemble. Organ majors must complete 2 credit hours in University Chorale, 1 credit hour in accompanying or playing keyboard in a conducted ensemble, 1 credit hour in chamber music (one-half of which must be fulfilled by playing continuo), and 2 credit hours in organ improvisation. Guitar majors must complete 6 credit hours in chamber music or playing guitar in a conducted ensemble. Voice performance majors may fulfill one credit of chamber music by taking MUS 405 Chamber Singers and may also fulfill one credit of chamber music by taking MUS 404 Opera Workshop. All transfer students must complete a minimum of one credit of the appropriate major ensemble at USM.

Performance majors must complete satisfactorily a short recital in the junior year and a full recital in the senior year. The junior recital must meet the same standards as the MUE senior recital. The senior recital, 50 minutes of music, must include at least 40 minutes of solo performance. All recitals must show a range of performance pieces demonstrating a variety of historical styles.

Bachelor of Music in Performance–Jazz Studies Concentration (MUP)

This degree concentration is designed as foundation studies for those who wish to prepare for careers in jazz or commercial music performance and/or jazz instruction and those who plan to pursue graduate work in jazz studies. This program aims to instill a thorough understanding of this unique American art form and its relationship to contemporary society. Applied music, jazz improvisation, jazz arranging, jazz history, and jazz ensembles are emphasized. A basic understanding of the standards and performance opportunities for professional performance leads the student to realistic expectations for a career as a performer or teacher.

The minimum number of credits (exclusive of the University's Core curriculum) required for the major: 97.

Courses marked with an asterisk (*) are offered on a rotating basis. Students should work closely with their advisors in planning their courses of study in this concentration.

Music Core Requirements, 28 credits		
*MUS	206	Jazz History
*MUS	380, 381	Jazz Improvisation I, II

*MUS	337	Jazz Arranging
MUP	201, 202, 203	Applied Music, Major Instrument (eight semesters)
MUP	390	Junior Recital
MUP	490	Senior Recital
*MUS	150,151,	Piano Class I, II
*MUS	252, 253	Jazz Piano Class I, II
*MUS	374	Jazz Pedagogy
MUS	406	Chamber Music—Jazz Combo (2 credits)
MUS	407	Jazz Ensemble (4 credits)
		Major Ensemble (2 credits) (other than Jazz Ensemble)
		Music Electives (6 credits)
		Electives in any college (15 credits)

Students should take a minimum of .5 credit of the appropriate section of MUS 406 Chamber Music—Jazz Combo during each of their first two academic years. Students who are not selected for Jazz Ensemble (MUS 407) may substitute additional credits of MUS 406 Chamber Music—Jazz Combo, with permission of the director of jazz studies. Guitarists and pianists may fulfill the major ensemble requirement by taking Accompanying (MUS 452) or any small ensemble outside the jazz idiom.

Students in the jazz concentration will divide their 24 credit hours of applied music equally between classical applied studies and jazz applied studies in brass, woodwinds, voice, guitar, piano, bass, or percussion, by taking either a 2-credit or a 1-credit lesson in each area every semester. Jazz students must take a jazz jury each semester and a classical jury during the spring semester, and are expected to pass a level III jury in each area prior to giving their senior recital. Students in the jazz concentration must satisfactorily complete a short recital in the junior year and a full recital in the senior year. The junior recital should consist of 25 minutes of jazz repertoire and the senior recital should consist of 25 minutes of jazz repertoire and 25 minutes of classical repertoire. The jazz repertoire shall demonstrate the student's skills at improvisation, composition, and arranging, and should be chosen under the guidance of their applied jazz instructor.

Jazz concentration majors whose primary instrument is electric guitar or electric bass may elect to take 16 credit hours in jazz guitar or jazz bass and 8 credit hours in classical guitar or classical bass. These students must take a jazz jury each semester and a classical jury during the spring semester of their first two years. They are expected to pass a level III jazz jury and a level II classical jury prior to giving their senior recital. The junior recital should consist of 25 minutes of jazz repertoire and the senior recital should consist of 50 minutes of jazz repertoire. The jazz repertoire shall demonstrate the student's skills at improvisation, composition, and arranging, and should be chosen under the guidance of their applied jazz instructor.

Bachelor of Music in Performance—Piano Pedagogy Concentration (MUP)

This degree concentration is for students who wish to prepare for a career in private piano teaching and those who wish to do graduate work in piano pedagogy. The program focuses upon the development of teaching techniques and performance skills. Specific areas of pedagogy study include: methods and materials, child development, learning theory as it pertains to music education, group and individual lesson formats, and business aspects of running a private studio. The program also includes a supervised piano teaching internship during the junior or senior year. A basic understanding of the standards and opportunities for teaching, as well as performance, leads the student to realistic expectations for a career in private piano teaching.

The minimum number of credits (exclusive of the University's Core curriculum) required for the concentration: 97.

Courses marked with an asterisk are offered on a rotating basis. Students should work closely with their advisors in planning their course of study in this concentration.

Music Core Requirements, 28 credits

* MUS	244	Basic Conducting
* MUS	321	Literature of the Major Instrument
* MUS	330	Form and Analysis
* MUS	332	Counterpoint
MUS	442	Recital Class (eight semesters)

MUP	203	Applied Music, Piano (eight semesters)
MUP	490	Senior Recital
* MUS	252, 253	Jazz Piano Class I, II
* MUS	360, 361	Advanced Keyboard Skills I, II
* MUS	372, 373	Piano Pedagogy I, II
MUS	376, 377	Class Piano Teaching I, II
MUS	378, 379	Practicum in Piano Pedagogy I, II
		Performance ensembles (4 credits)
		Electives in any college (6 credits)

Two credits of Applied Jazz Piano (MUP 201 or 202) may be substituted for MUS 252 and 253, with permission of the instructor. An additional two credits of Applied Jazz Piano are optional and may be taken in lieu of two credits of electives.

Students must complete one credit hour of ensemble by singing in either University Chorale or Chamber Singers. Another one credit must be completed by playing any instrument in any conducted ensemble. One credit must be taken in piano chamber music, and the remaining one credit may be taken in either chamber music or accompanying.

Students in the piano pedagogy concentration must also complete the following professional education courses:

MUE	220	Historical Foundations and Learning Theories
HRD	200J	Human Growth and Development

Students in the piano pedagogy concentration must play a full 50-minute recital in the senior year, including at least 40 minutes of solo repertoire. The recital should illustrate a range of historical styles.

Bachelor of Music in Performance—Musical Theatre (MUP)

This degree program, offered in collaboration with the Theatre Department, is designed for those who wish to pursue a career in musical theatre performance. The program aims to instill a thorough understanding of music and theatre and their relationship to contemporary society. Private lessons, solo and ensemble performance, and the theatrical training necessary for this discipline are emphasized. A basic understanding of the standards and opportunities for professional performance leads the student to realistic expectations for a career as a performer or teacher.

The minimum number of credits (exclusive of the University's Core curriculum) required for the major: 96.

The courses marked with an asterisk (*) is offered in alternate years. Students should work closely with their advisor in planning their course of study in this degree program.

Music Core Requirements, 25 credits

MUP	201F, 202F	Applied Voice (24 credits)
MUS	244	Basic Conducting
* MUE	372	Pedagogy of the Major Instrument
MUS	404	Opera Workshop (3 semesters)
MUS	442	Recital Class (4 semesters)
MUS	401F	University Chorale

or

MUS	405F	Chamber Singers (3 semesters)
MUS	150, 151, 250, 251	Piano Class I, II, III, IV

Music Electives (3 credits)

THE	101G	Introduction to Drama
THE	103F	Contemporary Dance
THE	120	Acting I: Stage Movement
THE	121	Acting II: Stage Voice
THE	130, 131, 132, 133	Theatre Workshop
THE	139	Make-up
THE	203F	Musical Theater Dance
THE	220	Acting III: Scene Study
* THE	303	Music Theatre Performance (4 credits)
		Theatre Elective (3 credits)
		General Electives (3 credits)

Students in the musical theatre concentration will be expected to achieve an approved jury level at the end of each semester in order to stay in the program. They must successfully perform two significant roles and one chorus role in an approved music theatre production. Students must successfully complete a crew or backstage assignment; presence is required at all strikes for all productions in which students participate, whether as a crew or cast member.

Minor in Music (Bachelor of Arts)

This minor program is designed to provide an opportunity for candidates working toward the bachelor of arts degree who demonstrate interest and ability to continue music studies at the undergraduate level.

The minor consists of MUS 130 (Music Theory I), MUS 120 (Music until 1900), and 14 credits of music electives, excluding MUS 100 and MUS 110. At least six of these credits must be taken at USM.

Applied music fees, to a maximum of eight credit hours, will be subsidized by the University provided that the student demonstrates adequate proficiency.

Courses Primarily for Non-Majors

MUP 101F Applied Music

An opportunity to continue at the college level the private study of piano, voice, organ, guitar, or any orchestra or band instrument to fulfill one credit of Core requirements in a performance-centered art. One half-hour lesson per week for twelve weeks. Restricted to non-majors and certain music students. May be repeated for credit. Special fee assessed. Cr 1.

MUP 102F Applied Music

An opportunity to continue at the college level the private study of piano, voice, organ, guitar, or any orchestra or band instrument to fulfill two credits of Core requirements in a performance-centered art. One hour lesson per week for twelve weeks. Restricted to non-majors and certain music students. May be repeated for credit. Special fee assessed. Cr 2.

MUS 100G Music Appreciation and History

A survey of music from the Gregorian chant to the modern times, covering musical practices of the renaissance, baroque, classical, romantic, and contemporary periods. Representative works by the outstanding composers of each period. Open to all students. Cr 3.

MUS 102G Music of the Portland Symphony

A course designed to increase the student's understanding and appreciation of the music scheduled for the Portland Symphony Orchestra's regular concerts of the semester. Attendance is required at the concerts in addition to regularly scheduled classes. Historical background, biography of composer, musical analysis, rehearsal and performance techniques, and music criticism. Open to all students. Cr 3.

MUS 103G Introduction to Jazz

A survey of jazz from its inception to the present day. Involves a study of the origins and stylistic development of jazz. Open to all students. Cr 3.

MUS 104 Masterpieces of Opera

An introduction to the forms and conventions of

music drama from early opera to contemporary works presented in historical order. Other aspects of this genre to be explored will include the role of the composer, librettist, conductor, singer/actor, stage director, set designer, costumer, and lighting designer in opera. Open to all students. Cr 3.

MUS 109 Dynamic Posture and Alignment

Provides students with a practical understanding of anatomy, kinesiology, and biomechanics in order to improve ease and freedom of motion while in a stationary position. This course is designed for musicians, as well as other performers and creative artists, athletes, and computer users. Cr 2.

MUS 110F Fundamentals of Music

A background study of concepts and skills essential to an intelligent reading of music. The development of natural music abilities through participating in singing, rhythmic activities, and instrumental work. An appreciation of music through awareness of basic structures. Open to all students. Cr 3.

MUS 202G Music in America

A survey of the important trends in music from colonial days to the present. Emphasis will be placed on the role of the Native American composer in the development of sacred music, concert music, jazz, musical comedy, and pop music. Open to all students. Cr 3.

MUS 203G Music in the Twentieth Century

A study of trends in European and American music from the beginning of the century to the present with emphasis on the literature of the major composers. Open to all students. Cr 3.

MUS 334F Electronic Music I

Lectures, discussions, and exercises in sound generation and processing, with emphasis on voltage-controlled systems. The student's time will be divided between class sessions and actual work in the electronic studio. Open to all students. Cr 3.

Music Performance Groups

Major Ensembles

MUS 400F Southern Maine Symphony Orchestra

A string, wind, and percussion ensemble open to all University students and community members through audition. The ensemble focuses on the fundamentals of ensemble performance, dealing with a variety of literature, and performs at least one major concert per semester. Prerequisite: audition. Cr 0.5.

MUS 401F University Chorale

A choral ensemble for mixed voices open to all University students through audition. The Chorale sings repertoire from all historical periods and performs locally and on a spring tour. The purposes of the ensemble are to develop musical expression and precision of intonation and rhythm and to promote the musical development necessary for excellence in ensemble singing. Prerequisite: audition. Cr 0.5.

MUS 402F University Concert Band

A wind and percussion ensemble open to all University students through audition. The ensemble focuses on the fundamentals of ensemble performance dealing with a variety of literature. The University Concert Band performs at least one major

concert per semester and is active in presenting school assembly programs. Prerequisite: audition. Cr 0.5.

MUS 405F Chamber Singers

An ensemble of mixed voices selected by audition. The ensemble specializes in a cappella repertoire, notably of the Renaissance era and the 20th century. Prerequisite: audition. Cr 0.5.

MUS 407 Jazz Ensemble

An instrumental ensemble specializing in the study and performance of jazz for large and small groups from Dixieland to present. Open to all students by audition. Prerequisite: audition. Cr 0.5.

MUS 408F Wind Ensemble

The Wind Ensemble offers a unique musical experience to its members. The versatility of the Wind Ensemble, based upon the solo performer premise, has established a tradition of performing chamber and large instrumentations, traditional or experimental combinations, and early through contemporary literature. The membership of the Wind Ensemble is selected from Concert Band personnel. Prerequisite: audition. Corequisite: MUS 402F. Cr 0.5.

Small Ensemble

MUS 403 Percussion Ensemble

A percussion ensemble open to all University students through audition. Prerequisite: audition. Cr 0.5.

MUS 404 Opera Workshop

This ensemble will focus on the union of musical ideas with dramatic situations and will explore the ways in which singers must convey the essence of a dramatic situation. Performances of scenes from operas, operettas, and musical theater. Prerequisite: audition. Cr 0.5.

MUS 406 Chamber Music

A performance course open to all qualified students interested in forming chamber groups: duets, trios, quartets, quintets, etc., under faculty supervision. Cr 0.5.

MUS 409 Harp Ensemble

A harp ensemble open to all University students by

audition. The ensemble focuses on the fundamentals of ensemble performance and plays literature of contrasting musical periods and styles. Prerequisite: audition. Cr 0.5.

MUS 410 Collegium Musicum

An early music ensemble dedicated to the performance of music from the Medieval through the Baroque period. This ensemble is open to singers and instrumentalists of the University and the general community. Prerequisite: audition. Cr 0.5.

MUS 452 Accompanying

A workshop course in applied accompanying under faculty supervision. One-half credit is awarded for each twenty hours of University-supervised accompanying, with a maximum of two credits in any academic year. Cr 0.5-2.

Courses for Majors

Music History and Theory

MUS 120G Music Until 1900

This course covers the history of Western music from antiquity to 1900 with special emphasis on early music. The elements of musical language and style are traced through representative composers' works. Listening, analysis, independent research, and writing are required. Music majors only or permission of the instructor. Cr 3.

MUS 121G Classical and Romantic Music

This course covers the history of Western music from 1750 to 1900. The elements of musical language and style are traced through representative

composers' works. Listening, analysis, independent research, and writing are required. Music majors only or permission of the instructor. Cr 3.

MUS 130F Music Theory I

This course covers scales (major and minor), keys, intervals, and triads; identification of triads and seventh chords in inversion; principles of notation; part-writing with root position and first inversion triads; cadences; harmonization of soprano and bass lines; and phrase forms. Prerequisite: Music majors and minors only or permission of the School. Cr 3.

MUS 130 Music Theory Lab I

A laboratory course in music theory required of those students needing additional assistance in first semester theory, as determined by the student's score on the entrance testing. To be taken concurrently with MUS 130 Music Theory I LEC. Does not count for music elective credit. Cr 2.

MUS 131 Music Theory II

A continuation of the study of harmony, including the use of triads in second inversion; modulation; non-harmonic tones; the dominant seventh chord; other diatonic seventh chords; and simple binary and ternary forms. Prerequisite: MUS 130. Cr 3.

MUS 132 Sight Singing and Ear Training I

A course in sight singing and ear training. Music majors and minors only, or permission of the School. Cr 1.

MUS 133 Sight Singing and Ear Training II

A continuation of MUS 132. Prerequisite: MUS 132. Cr 1.

MUS 206 Jazz History

This course provides an in-depth examination of the historical evolution of jazz, as well as a familiarity with the major and secondary figures in the idiom. Emphasis is placed on detailed listening assignments and class discussions. Prerequisite: MUS 103G, music major status, or permission of instructor. Cr 3.

MUS 220G Twentieth-Century Music

This course covers the history of Western music from 1900 to the present. The elements of musical language and style are traced through representative composers' works. Listening, analysis, independent research, and writing are required. Music majors only or permission of the instructor. Cr 3.

MUS 225 World Music

This course is designed to investigate music of various cultures. The course will explore the music of particular regions, for example, the Pacific Rim, India, and the Americas, with the intent of understanding the relationship of music to the culture in which it was created. Listening, analysis, independent research, and writing are required. Music majors only or permission of the instructor. Cr 3.

MUS 230 Music Theory III

A continuation of the study of tonal music, including the further examination of modulation; melodic chromaticism; chromatic chords, including altered chords, chords with secondary functions, and linear chords; and composition in the simple forms of the 18th and 19th centuries. Prerequisite: MUS 131. Cr 3.

MUS 231 Music Theory IV

Techniques of 20th-century composition, including the study of harmony, melody, and texture. Related studies include music theory in the twentieth century, new sound resources, and new technologies. Prerequisite: MUS 131. Cr 3.

MUS 232 Sight Singing and Ear Training III

An advanced course in sight singing and ear training. Prerequisite: MUS 133. Cr 1.

MUS 233 Sight Singing and Ear Training IV

A continuation of MUS 232. Prerequisite: MUS 232. Cr 1.

MUS 320 Seminar in Music History

A concentrated study of selected topics in music history based on individual research. Prerequisite: MUS 120, 121, 220, 225. For music majors or minors. Others only with permission of instructor. Cr 3.

MUS 321 Literature of the Major Instrument

A survey of the literature for voice or a specific instrument. Except for piano or voice, which are offered in class sessions when the number of registrants warrants it, this will be scheduled as private study. Normally the piano and voice sessions will be offered in alternate years. For performance majors. Other music majors only with permission of the School. Cr 2.

MUS 330 Form and Analysis

Study and analysis of music of the classical, romantic, and contemporary periods with emphasis on homophonic forms and styles. Prerequisite: MUS 230. Cr 3.

MUS 332 Counterpoint

Analysis and writing of tonal counterpoint. Emphasis is given to the study of canon, invention, fugue, chorale prelude, and continuous variations, using eighteenth-century works as models for composition. Prerequisite: MUS 230. Cr 3.

MUS 370 Topics in Music Technology

An intensive study of one or more areas of music technology in the context of producing music compositions, creating pedagogical multimedia applications, performing music with interactive applications, or recording and editing digital audio/video. The area of study will be chosen by the instructor in accordance with his or her expertise and interests. The course may be repeated once for credit as topics vary (limit of six credits). Prerequisite: MUS 231 or permission of the instructor. Cr 3.

MUS 420 Orchestration

A study of the nature of the various instruments. Practice in scoring for instrumental combinations, orchestra, and band. Prerequisite: MUS 231. Cr 3.

MUS 497 Directed Study in Composition

To provide juniors and seniors who have demonstrated creative capability an opportunity to compose utilizing twentieth-century techniques. Prerequisite: MUS 231 and permission of instructor. Cr 1-3.

MUS 498 Independent Study in Music

To provide juniors and seniors who have demonstrated critical and analytical capability an opportunity to pursue a project independently, charting a course and exploring an area of interest within their major field. Music majors only. School permission required. Cr 1-3.

Music Performance

MUP 201F Applied Music

May be taken in piano, voice, organ, guitar, or any orchestra or band instrument. One half-hour lesson per week for twelve weeks in the minor performance area in fulfillment of applied music requirements. Restricted to music majors and minors. May be repeated for credit. Special fee assessed. Cr 1.

MUP 202F Applied Music

May be taken in piano, voice, organ, guitar, or any orchestra or band instrument. One hour lesson per week for twelve weeks in the major performance area in fulfillment of applied music requirements. Restricted to music majors and minors. May be repeated for credit. Special fee assessed. Cr 2.

MUP 203 Applied Music

May be taken in piano, voice, organ, guitar, or any orchestra or band instrument. One hour lesson per week for twelve weeks in the major performance area in fulfillment of applied music requirements. Restricted to B.M. performance majors. May be repeated for credit. Special fee assessed. Cr 3.

MUP 390 Recital

Public performance in the area of applied study for junior performance majors. Graded pass/fail. Cr 0.

MUP 490 Recital

Public performance in the area of applied study for senior performance majors. Graded pass/fail. Cr 0.

MUP 491 Recital

Public performance in the area of applied study for music education majors. Graded pass/fail. Cr 0.

MUS 150 Piano Class I

This is a piano class for MUE and MUP students not majoring in a keyboard instrument. Topics covered include sight-reading, basic technique, scales, chord progressions, harmonization, transposition and performance of elementary to intermediate piano literature. Prerequisite: music major status or permission of School director. Cr 1.

MUS 151 Piano Class II

This is a continuation of MUS 150. Prerequisite: MUS 150 or permission of School director. Cr 1.

MUS 240 Instrumental Conducting Lab

Performance techniques on instruments of primary and/or secondary interest to each student. Principles of ensemble training are exemplified. Cr 0.5.

MUS 241 Choral Conducting Lab

Performance techniques in a choral ensemble. Principles of ensemble singing and training of choral ensembles are exemplified. Cr 0.5.

MUS 244 Basic Conducting

Practical conducting experiences; score reading, basic beat patterns, gestures, and interpretation. Prerequisite: MUS 230. Cr 2.

MUS 250 Piano Class III

This is a continuation of MUS 151. Prerequisite: MUS 151 or permission of School director. Cr 1.

MUS 251 Piano Class IV

This is a continuation of MUS 250. Prerequisite: MUS 250 or permission of School director. Cr 1.

MUS 252 Jazz Piano Class I

This is a jazz piano class for MUP Jazz Studies Concentration students not majoring in a keyboard instrument, as well as non-jazz keyboard majors and other instrumentalists who meet the prerequisite. Topics covered include chord voicings for the ii-v-i progression, arrangements of standard tunes, jazz scales and modes and accompanimental styles. Prerequisite: MUS 151 or permission of School director. Cr 1.

MUS 253 Jazz Piano Class II

This is a continuation of MUS 252. Prerequisite: MUS 252 or permission of School director. Cr 1.

MUS 255 Guitar

An introduction to basic guitar skills. Emphasis is placed upon those skills that lead to playing effective accompaniments. Cr 1.

MUS 256 Diction for Singers I: Italian and French

A study in the principles of Italian and French diction through the use of the International Phonetic Alphabet (IPA). An application of these basic principles to vocal literature through written, singing, and aural transcription exercises. Prerequisite: music major or instructor permission. Cr 3.

MUS 257 Diction for Singers II: French and German

A continuation of study in the principles of French diction and the principles of German diction through the use of the International Phonetic Alphabet (IPA). An application of these basic principles to vocal literature through written, singing, and aural transcription exercises. Prerequisite: MUS 256. Cr 3.

MUS 310 Organ Improvisation I

This course will cover the basics of improvisation at the organ. The goal is to equip the student with the skills needed in church situations. Hymns, chorales, and plainsong melodies will form the basis for learning to improvise preludes, postludes, and interludes in a variety of styles. This course will be scheduled as an additional applied music time with an organ specialist. Prerequisite: MUS 131 or permission of instructor. Cr 1.

MUS 311 Organ Improvisation II

This course is the continuation of MUS 310. It will be scheduled as an additional applied music time with an organ specialist. Prerequisites: MUS 131 and MUS 310, or permission of instructor. Cr 1.

MUS 333 Advanced Analysis of Tonal Music

This course will cover several analytical approaches to tonal music, including parametric analysis, the analysis of phrase rhythm and hypermeter, and Schenkerian analysis. Prerequisite: MUS 330. Cr 3.

MUS 335 Advanced Aural Skills

This course will be an in-depth continuation of MUS 233 Sight Singing and Ear Training IV. It will emphasize the development of aural skills through the use of contextual listening examples and performance drills. Both tonal and non-tonal music will be used as study material. Prerequisite: MUS 233. Cr 3.

MUS 337 Jazz Arranging

Study and analysis of music written for small and large jazz ensembles. Practice in writing for a variety of instrumental combinations in the jazz idiom. Prerequisite: MUS 230 or permission of instructor. Cr 3.

MUS 340 Instrumental Conducting Lab

Performance techniques on instruments of primary and/or secondary interest to each student. Principles of ensemble training are exemplified. The repertoire consists of selections from various periods and styles and is varied from year to year in order to cover a considerable range during the student's attendance. Cr 0.5.

MUS 341 Choral Conducting Lab

Emphasizing singing technique and interpretation and an exploration of choral literature of various periods and styles. Principles of choral training are exemplified. The repertoire is varied from year to year so that the course covers a considerable range during a given student's attendance. Cr 0.5.

MUS 344 Instrumental Conducting

Advanced development of non-verbal gestures through the art of instrumental conducting. Score reading analysis, rehearsal techniques and performance preparation. Prerequisite: MUS 244. Cr 2.

MUS 345 Choral Conducting

Advanced development of non-verbal gestures through the art of choral conducting. The course includes score study analysis, rehearsal techniques, and performance preparation. Prerequisite: MUS 244. Cr 2.

MUS 350 Voice Class I

This course covers the fundamentals of vocal production for the beginning singer, including breath management and tone development, studied through the use of vocalises and songs. Prerequisite: music major status or permission of School director. Cr 1.

MUS 351 Voice Class II

This is a continuation of MUS 350. Prerequisite: MUS 350. Cr 1.

MUS 360 Advanced Keyboard Skills I

This course provides practical instruction in the

advanced keyboard skills of score reading, transposition, harmonization of melodies, and realization of continuo. These performance skills will be taught with emphasis on the preparation of examples outside the class as well as the active participation by students in class. Prerequisite: keyboard performance major and MUS 131, or permission of instructor. Cr 2.

MUS 361 Advanced Keyboard Skills II

The second semester continuation of Advanced Keyboard Skills I. Prerequisite: MUS 360. Cr 2.

MUS 372 Pedagogy of the Major Instrument

A study of the teaching methods and materials for voice or instruments. Except for piano and voice, which are offered in class sessions when the number of registrants warrants it, this will be scheduled as additional applied music time with an instrumental specialist. Normally the piano and voice sessions will be offered in alternate years. For performance majors. Other music majors only with permission of the School. Cr 2.

MUS 373 Piano Pedagogy II

This course is the second-semester continuation of MUS 372 in piano. The course focuses on the teaching of child beginners. Students observe a weekly group lesson, research and prepare repertoire and lesson plans, and evaluate their peers' teaching. Each student teaches at least one group lesson. Prerequisite: MUS 372 in piano, piano major or permission of instructor. Cr 2.

MUS 374 Jazz Pedagogy

A study of the teaching methods and materials in the jazz performance area. Emphasis will be placed on large and small jazz ensemble literature and conducting techniques, jazz improvisation pedagogical techniques, and writing techniques. This course will also address the topic of securing and maintaining employment within the jazz field. Prerequisite: open to music majors of junior standing. Cr 2.

MUS 376 Class Piano Teaching I

This course provides an overview of teaching group piano to adult beginners. Students spend the semester observing the teaching of Piano Class I (MUS 150) and meet weekly with the teacher for discussion and additional instruction. Prerequisite: Two semesters of MUP 202 or 203; piano major or permission of instructor. Cr 2.

MUS 377 Class Piano Teaching II

This course is the second-semester continuation of Class Piano Teaching I. Students observe the teaching of Piano Class II (MUS 151) and meet with the teacher weekly for discussion and additional instruction. Students have the opportunity to teach the class under the instructor's supervision. Prerequisite: MUS 376. Restricted to piano majors. Cr 2.

MUS 378 Practicum in Piano Pedagogy I

This course provides practical teaching experience in

individual piano instruction. Under the supervision of piano pedagogy faculty, students teach private lessons to three or four child beginners. Students also observe piano lessons given by master teachers and do outside readings and research. Prerequisite: MUS 373, four semesters of MUP 202 or 203; piano major or permission of instructor. Cr 3.

MUS 379 Practicum in Piano Pedagogy II

This course is the second-semester continuation of MUS 378. Prerequisite: MUS 378. Cr 3.

MUS 380 Jazz Improvisation I

A course designed to teach the student to improvise in the jazz idiom. Studies include jazz theory and

standard jazz literature. Recommended for instrumental music majors. Prerequisite: MUS 131 or permission of the instructor. Cr 3.

MUS 381 Jazz Improvisation II

A performance course designed to expand upon the improvisation principles presented in Jazz Improvisation I. Students will learn advanced jazz theory and use that knowledge to perform in the jazz language both in class and in lab situations. Prerequisite: MUS 380 or the equivalent. Cr 3.

MUS 442 Recital Class

Performance in major field, stage department, and evaluation of performances. May be repeated. Cr 0.

Music Education

MUE 100 Introduction to Music Education

This course will provide students with an understanding of the philosophical foundation of the profession and will introduce students to the National Standards for Arts Education which constitute a key component of the educational goals of their intended profession. Students will be guided in observing teachers in classroom and rehearsal settings to develop their understanding of philosophy and standards as they are implemented through teaching. Restricted to music majors and minors. Cr 1.

MUE 220 Historical Foundations and Learning Theories

This course will provide an overview of the historical role of schools in American society and an introduction to contemporary learning theory upon which music instruction in kindergarten through grade 12 is predicated. Restricted to majors and minors. Prerequisite: MUE 100. Cr 3.

MUE 221 Brass Class

Methods of teaching brass instruments including practical experience on the various instruments; elements of transposition. Prerequisites: MUS 131 and 133. Cr 1.

MUE 222 Percussion Class

Practical experience on and methods of teaching percussion instruments. Prerequisites: MUS 131 and 133. Cr 1.

MUE 224 Woodwinds I

Methods of teaching flute and clarinet. Practical experience on these instruments; elements of transposition. Prerequisites: MUS 131 and 133. Cr 1.

MUE 225 Woodwinds II

Methods of teaching saxophone, oboe, and bassoon. Practical experience on these instruments; elements of transposition. Prerequisite: MUE 224. Cr 1.

MUE 226 Vocal Pedagogy

A study of basic principles of vocal production—breathing, phonation, registration, and resonance—and a discussion of the techniques used to teach voice. Cr 1.

MUE 320 String Class I: Violin and Viola

Practical experience playing and methods of teaching violin and viola, with additional information on string programs in the public schools. Prerequisites: MUS 131 and 133. Cr 1.

MUE 321 String Class II: Cello and Bass

Practical experience playing and methods of teaching cello and bass. Prerequisite: MUE 320. Cr 1.

MUE 322 General Music Methods K-12

This course presents teaching methods used in non-performance based music courses at the elementary, middle, and high school levels. Students will examine the methodologies of Kodaly, Orff, Dalcroze, and others and will learn to design middle school and high school general music courses. Restricted to senior music majors or by permission of instructor. Prerequisite: MUE 220. Cr 3.

MUE 323 Secondary Choral Methods

Techniques and procedures for teaching choral music in high schools. Restricted to junior and senior music majors. Cr 2.

MUE 324 Instrumental Methods

The course will acquaint the instrumental music major with methods and procedures of teaching instrumental music in the public schools. Administering and organizing the program, recruiting, budgets, public relations, ensemble literature, scheduling and performance are issues addressed in the course. Discussions will focus on developing an effective instrumental music program in the public schools. Restricted to junior and senior music majors. Cr 2.

MUE 325 Elementary and Middle Level Choral Methods

This course will cover childhood vocal development, vocal production, choral literature, rehearsal techniques, and other topics as appropriate to working with singers in elementary and middle school. Prerequisite: MUE 220. Cr 2.

MUE 326 Jazz Methods

A study of methods and materials used in teaching a jazz curriculum. Topics will include and focus on rehearsal techniques, score study, performance practice, improvisation, and literature/pedagogical resources. Open to majors of junior standing. Cr 2.

MUE 420 Marching Band Techniques

The course is designed to prepare the music educator to organize and effectively teach Marching Band in the public school. A statement of philosophy is stressed. Marching styles, execution, music developing, marching percussion, role of the drum major

and effective instrument placement are emphasized in the course. Restricted to junior and senior music majors. Cr 2.

EDU 324 Student Teaching

Full-time student teaching during the senior year is provided for one semester under direct supervision in off-campus situations for all who meet requirements. Normally, two separate half-semester experiences designed to match the student's selected program concentration are provided which encompass both general classroom and ensemble teaching experiences. Cr 12.

Philosophy

Chair of the Department: Robert Louden, 47 Exeter St., Portland
Professors: Caffentzis, Gavin, Grange, Louden, Murphy, Schwanauer; *Associate Professors:* Conway, Winger; *Assistant Professor:* Read

"Philosophy unties knots in our thinking; hence its results must be simple, but philosophizing has to be as complicated as the knots it unties."

Ludwig Wittgenstein, *Zettel* #452

The place of philosophy at the center of any educational endeavor is as true today as it ever was. The perennial questions that philosophy addresses, such as "Who am I as a human being?, How should I act?, What can I know?, What are my obligations to others?, How should society be organized?" are fundamental issues with which education must wrestle and into which it must provide insight. Philosophy is a reasoned pursuit of fundamental truths. It is a systematic investigation of the key assumptions that underlie our thinking and which ordinarily are taken for granted. Much of what is learned in philosophy can be applied in virtually any endeavor. This is both because philosophy touches upon so many subjects and, especially, because many of its methods and analyses are usable in any field. The study of philosophy is beneficial in terms of achieving the following:

General Problem-Solving Ability The study of philosophy enhances one's problem-solving capacities in a way no other activity does. It helps one to analyze concepts, definitions, arguments, and problems. It contributes to one's capacity to organize ideas and issues, to deal with questions of value, and to extract what is essential from masses of information.

Communication Skills Philosophy provides some of the basic tools of self-expression, namely, skills in presenting ideas through well-constructed, systematic arguments. One learns to build and defend one's own views, to appreciate competing positions.

Writing Skills Writing is an important part of most philosophy courses. Philosophy teaches interpretive writing through its examination of challenging texts, comparative writing through emphasis on fairness to alternative positions, argumentative writing through developing students' abilities to establish their own views, and descriptive writing through detailed portrayal of concrete examples, the anchors to which generalizations must be tied.

The Understanding of Other Disciplines Many important questions about a discipline, such as the nature of its concepts and its relation to other disciplines, do not belong to that discipline, are not usually pursued within a discipline, and are philosophical in nature. Philosophy of science, for instance, is needed to supplement the understanding of the natural and social sciences which one derives from scientific work itself. Philosophy of art, social and political philosophy, the philosophy of religion are of similar value in understanding the respective fields of art, sociology, politics, and religion.

Career Applications

Philosophers know, of course, that the important question is not what you can do with a field of study but rather what a field of study does with you. Nevertheless, it