

The School of Music

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The School of Music at Carnegie Mellon is a conservatory set within a great university, combining preparation for a lifetime in performance with the advantages of learning in an intense academic environment. The School of Music is an accredited institutional member of the National Association of Schools of Music.

Each student is challenged to develop as a performer through individual instruction with master teachers. The School's relationship with the renowned Pittsburgh Symphony is among the strongest conservatory – symphony orchestra relationships in the United States, and Pittsburgh's uniquely strong sense of musical community fosters close relationships with the Pittsburgh Opera, Opera Theater, Chamber Music Society, Ballet, Mendelssohn Choir, and a host of other professional musical organizations. The Cuarteto Latinoamericano, now in its third decade in residence, has toured throughout the world and enjoys universal acclaim for its advocacy of new music. All teaching is entrusted to professional faculty – there are no assistant studio teachers or doctoral teaching fellows – and specialists in Musicology, Theory, Counterpoint, Analysis, Composition, Computer Music, Eurhythmics, Solfege, Pedagogy, Music Education, Accompanying and Coaching, Diction, Acting and Movement, Literature and Repertoire, Chamber Music, Jazz, Conducting, and Recording Science provide a broad and rich platform for comprehensive performance preparation.

Regular performing ensembles include the Carnegie Mellon Philharmonic, Wind Ensemble, Jazz Ensemble, Concert Choir, Repertory Chorus, Contemporary Ensemble, Jazz Vocal Ensemble, Opera/Music Theater Production, Repertoire Orchestra, and special orchestras devoted to Baroque and Classical repertoire. Some of the School's most outstanding and popular ensembles are instrument specific: the Percussion Ensemble, Flute Ensemble, Horn Choir, Trombone Choir, and Brass Ensemble, among others.

Every student in the School of Music is a performance or composition major. Opportunities for performance are stressed – undergraduates perform junior and senior recitals, all chamber music is juried, frequent opportunities on and off campus are provided, and community outreach is vigorously supported. At the same time, the university provides the greatest possible support for students combining this performance study with minors in all disciplines, unique joint degree programs, and double major programs. These opportunities significantly increase a student's career options and marketability in the changing professional world of music.

The School of Music has an intense commitment to new music, led by its composition faculty, conductors who devote fully rehearsed cycles of the honors Philharmonic Orchestra to works by student composers, studio faculty whose own performing careers regularly feature new works, regular performances of student works in almost every Contemporary Ensemble program, readings by the Cuarteto Latinoamericano culminating in public performance of student work, frequent opportunities with the Wind Ensemble and Choirs, and inclusion on student recitals. The School's state of the art recording facilities are an especially important resource for composers beginning their public careers.

Facilities

The teaching facilities of the School of Music are located on the ground, main, and mezzanine floors of the College of Fine Arts, on the first floor of Margaret Morrison Hall, and in the basement of the Student Center. All teaching, rehearsal, and practice rooms are equipped with Steinway pianos. Music students also have access to a state-of-the-art recording studio and music technology cluster. Performances take place in Kresge Recital Hall, Carnegie Music Hall, and Alumni Concert Hall. The Hunt Library houses a fine collection of books, records, and scores. Listening and conference rooms are also available in the library.

School of Music Options

The School of Music offers a Bachelor of Fine Arts in the following areas:

Performance (Instrumental, Voice, Piano, Organ)
Composition

To earn a Bachelor's degree in either of these options, a candidate must satisfactorily fulfill all the requirements of the School of Music.

Within the options listed above students may elect specializations in the following areas:

Dalcroze Eurhythmics Certificate
Piano Pedagogy Certificate
Accompanying Minor
Conducting Minor
Jazz Performance Minor
Music Education Certification Minor
Music Technology Minor

Dalcroze Eurhythmics Certificate

This program is designed to prepare teachers in the Dalcroze approach to music learning. The course of study includes eurhythmics, piano improvisation, and Dalcroze pedagogy. Carnegie Mellon undergraduates may enter the Dalcroze Training Program during their junior year. However, the certificate will be granted only upon completion of their undergraduate degree. This program is recommended particularly to students who would like to incorporate Dalcroze principles into their teaching and to those who want to obtain more experience in this field.

Piano Pedagogy Certificate

A two-year program leading to certification in piano pedagogy is open to current Carnegie Mellon piano majors and to pianists with bachelor's degrees. Piano and organ majors learn to teach piano in a closely supervised environment of class piano instruction. This program has received national acclaim as a model of excellence, with Carnegie Mellon children consistently capturing prestigious awards in national piano competitions.

Accompanying Minor

The accompanying minor consists of a six-semester sequence of courses designed to give the students experience with vocalists and instrumentalists, and it can include chamber music. There are individual coaching sessions as well as practical experience in vocal studios, dance studios, and instrumental studios.

Conducting Minor

This program is designed for students who are interested in acquiring conducting skills, in anticipation of either graduate study in conducting or a music education career. It includes required courses in basic conducting techniques for both choral and instrumental ensembles, orchestration, score reading/keyboard harmony, and elective courses in instrumental and vocal methods, diction, and literature and repertoire.

Jazz Performance Minor

With an emphasis on developing the "complete musician," all performance majors are encouraged to study jazz along with their classical training. Course offerings include Jazz Studio, two Jazz Ensembles, Jazz Vocal Ensemble, Jazz Piano, Jazz Chamber Music, Jazz Ear Training, Jazz Improvisation, Jazz Arranging, Jazz Composition, Jazz History, and Jazz Transcription and Analysis.

Music Education Certification Minor

Music Education Certification is a five-year program, with courses starting in the sophomore year. Bachelor of Fine Arts candidates who complete this program and pass the Praxis tests will receive Pennsylvania state certification in music (K-12), which is recognized in almost all other states.

Music Technology Minor

The student will take a series of courses which may include electronic and computer music, recording technology, the physics of sound, and computer programming. A rich computer music research environment enables talented students to work as programmers with outstanding faculty researchers, whose current projects are gaining international recognition in the areas of computer music and artificial intelligence.

Performances and Activities of the School of Music

The School of Music sponsors performances, master classes, and lectures by outstanding national and international guest artists. Announcements of faculty, student, and guest performances are released every month to the students and the community.

General Requirements for BFA Candidates

Candidates for the Bachelor of Fine Arts degree in performance are required to give public performances in their junior and senior years. Candidates for the Bachelor of Fine Arts degree in composition are required to complete a composition for orchestra in their senior year. Candidates for the Bachelor of Fine Arts degree in applied areas other than piano are required to pass a piano proficiency test.

All candidates are required to participate in a major choral ensemble or major instrumental ensemble as assigned and to attend Convocation every semester of residence in the School of Music.

Music Curriculum

The music curriculum is based on the following five building blocks:

- Studio**
- Theory**
- History**
- Ensemble**
- Academics**

1. **Studio** - This is the heart of the school. Students receive individualized instruction with senior faculty in their major area of study: performance or composition.
2. **Theory** - These courses are designed to help students develop listening skills, to acquire theoretical knowledge, to recognize structural techniques and manipulate technological resources. It includes courses in sight-reading, ear-training, eurhythmics, contrapuntal techniques, harmony, analysis of musical forms, 20th century techniques, orchestration, score reading, and electronic and computer music for compositional and educational purposes. One music support course in the piano, organ, and instrumental curricula must be an analysis course.
3. **History** - These courses cover in depth the music of the western world and survey the styles and musical structures of non-western music.
4. **Ensemble** - This area includes student participation in some of the following ensembles: Carnegie Mellon Philharmonic, Wind Ensemble, Jazz Ensemble, Concert Choir, Repertory Chorus, Jazz Vocal Ensemble, Opera/Music Theater Production, Contemporary Ensemble, Repertoire Orchestra, Flute Ensemble, Horn Choir, Trombone Choir, Percussion Ensemble, and various chamber groups. One performance elective course in the piano, organ, and instrumental curricula must be a Literature, Repertoire, and Pedagogy course.
5. **Academics** - The School of Music requires one General Studies course (outside of the School) per semester and six semesters of Elective courses for graduation. These accumulated credits may be applied to minors or majors in other disciplines. Exceptional students in good academic and musical standing within the School are permitted to take additional courses beyond the number required for graduation. There is no charge for extra credits taken at Carnegie Mellon.

Credits - The total number of units required for graduation is 396. Three units equal one credit.

Piano

First Year

	Fall	Units
57-501	Studio	9
57-4xx	Major Ensemble	6
57-193	Skills of Accompanying I	3
57-152	Harmony I	6
57-161	Eurhythmics I	3
57-181	Solfege I	6
57-173	Survey of Western Music History	9
76-xxx	Designated Writing Course	9

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	Spring	Units
57-501	Studio	9
57-4xx	Major Ensemble	6
57-194	Skills of Accompanying II	3
57-153	Harmony II	6
57-162	Eurhythmics II	3
57-182	Solfege II	6
57-203	Medieval, Renaissance and Baroque Music History	9
57-101	Introduction to Music Technology	6
99-xxx	Computer Skills Workshop	3

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Second Year

	Fall	Units
57-501	Studio	9
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-151	Principles of Counterpoint	6
57-163	Eurhythmics III	3
57-183	Solfege III	6
57-204	18th and 19th Century Music History	9
xx-xxx	General Studies Course	6
xx-xxx	Elective	3

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	Spring	Units
57-501	Studio	9
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-154	18th Century Counterpoint	6
57-164	Eurhythmics IV	3
57-184	Solfege IV	6
57-205	20th Century Music History	9
xx-xxx	History Elective Course	9

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Third Year

	Fall	Units
57-501	Studio	12
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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	Spring	Units
57-501	Studio	12
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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Fourth Year

	Fall	Units
57-501	Studio	12
57-xxx	Performance Elective	9
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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	Spring	Units
57-501	Studio	12
57-xxx	Performance Elective	9
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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Organ**First Year**

	Units
Fall	
57-502 Studio	9
57-4xx Major Ensemble	6
57-191 Keyboard Studies I	3
57-152 Harmony I	6
57-161 Eurhythmics I	3
57-181 Solfege I	6
57-173 Survey of Western Music History	9
76-xxx Designated Writing Course	9

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	Units
Spring	
57-502 Studio	9
57-4xx Major Ensemble	6
57-192 Keyboard Studies II	3
57-153 Harmony II	6
57-162 Eurhythmics II	3
57-182 Solfege II	6
57-203 Medieval, Renaissance and Baroque Music History	9
57-101 Introduction to Music Technology	6
99-xxx Computer Skills Workshop	3

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Second Year

	Units
Fall	
57-502 Studio	9
57-4xx Major Ensemble	6
57-291 Keyboard Studies III	3
57-151 Principles of Counterpoint	6
57-163 Eurhythmics III	3
57-183 Solfege III	6
57-204 18th and 19th Century Music History	9
xx-xxx General Studies Course	6
xx-xxx Elective	3

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	Units
Spring	
57-502 Studio	9
57-4xx Major Ensemble	6
57-292 Keyboard Studies IV	3
57-154 18th Century Counterpoint	6
57-164 Eurhythmics IV	3
57-184 Solfege IV	6
57-205 20th Century Music History	9
xx-xxx History Elective Course	9

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Third Year

	Units
Fall	
57-502 Studio	12
57-4xx Major Ensemble	6
57-459 Score Reading/Keyboard Harmony	6
57-xxx Music Support Course (Theory/History)	12
xx-xxx General Studies Course	9
xx-xxx Elective	3

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	Units
Spring	
57-502 Studio	12
57-4xx Major Ensemble	6
57-xxx Music Support Course (Theory/History)	12
xx-xxx General Studies Course	9
xx-xxx Elective	9

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Fourth Year

	Units
Fall	
57-502 Studio	12
57-4xx Major Ensemble	6
57-xxx Performance Elective	9
57-xxx Music Support Course (Theory/History)	12
xx-xxx General Studies Course	9
xx-xxx Elective	6

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	Units
57-502 Studio	12
57-4xx Major Ensemble	6
57-xxx Performance Elective	9
57-xxx Music Support Course (Theory/History)	12
xx-xxx General Studies Course	9
xx-xxx Elective	6

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Voice**First Year**

	Units
Fall	
57-500 Studio	9
57-417 Major Ensemble	6
57-191 Keyboard Studies I	3
57-152 Harmony I	6
57-161 Eurhythmics I	3
57-181 Solfege I	6
57-173 Survey of Western Music History	9
57-111 Dance I	3
82-161 Elementary Italian I	9
57-220 English Diction	3

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	Units
Spring	
57-500 Studio	9
57-417 Major Ensemble	6
57-192 Keyboard Studies II	3
57-153 Harmony II	6
57-162 Eurhythmics II	3
57-182 Solfege II	6
57-202 Opera History	9
57-112 Dance II	3
57-221 Italian Diction	3
76-xxx Designated Writing Course	9

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Second Year

	Units
Fall	
57-500 Studio	9
57-417 Major Ensemble	6
57-291 Keyboard Studies III	3
57-163 Eurhythmics III	3
57-183 Solfege III	6
57-211 Dance III	3
57-240 Acting I	6
57-431 Italian Literature and Repertoire	3
82-121 Elementary German I	9
57-101 Introduction to Music Technology	6
99-xxx Computer Skills Workshop	3

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	Units
Spring	
57-500 Studio	9
57-417 Major Ensemble	6
57-292 Keyboard Studies IV	3
57-164 Eurhythmics IV	3
57-184 Solfege IV	6
57-212 Dance IV	3
57-241 Acting II	6
57-223 German Diction	3
xx-xxx History Elective Course	9

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Third Year

	Units
Fall	
57-500 Studio	12
57-417 Major Ensemble	6
57-xxx Production Course	6
57-315 Dance V	3
57-339 Acting III	6
57-433 Musical Theatre Literature and Repertoire	3
82-101 Elementary French I	9
xx-xxx Elective	6

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	Units
Spring	
57-500 Studio	12
57-417 Major Ensemble	6

57-xxx	Production Course	6
57-316	Dance VI	3
57-340	Acting IV	6
57-434	Musical Theatre Literature and Repertoire	3
57-222	French Diction	3
57-432	French Literature and Repertoire	3
xx-xxx	Elective	6

Fourth Year

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Fall		Units
57-500	Studio	12
57-417	Major Ensemble	6
57-xxx	Production Course	6
57-415	Dance VII	3
57-439	Acting V	6
57-435	German Literature and Repertoire	3
xx-xxx	Elective	6

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Spring		Units
57-500	Studio	12
57-417	Major Ensemble	6
57-xxx	Production Course	6
57-416	Dance VIII	3
57-440	Acting VI	6
57-436	English/Contemporary Literature and Repertoire	3
xx-xxx	Elective	6

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Instrumental

First Year

Fall		Units
57-xxx	Studio	9
57-4xx	Major Ensemble	6
57-191	Keyboard Studies I	3
57-152	Harmony I	6
57-161	Eurhythmics I	3
57-181	Solfege I	6
57-173	Survey of Western Music History	9
76-xxx	Designated Writing Course	9

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Spring		Units
57-xxx	Studio	9
57-4xx	Major Ensemble	6
57-192	Keyboard Studies II	3
57-153	Harmony II	6
57-162	Eurhythmics II	3
57-182	Solfege II	6
57-203	Medieval, Renaissance and Baroque Music History	9
57-101	Introduction to Music Technology	6
99-xxx	Computer Skills Workshop	3

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Second Year

Fall		Units
57-xxx	Studio	9
57-4xx	Major Ensemble	6
57-291	Keyboard Studies III	3
57-151	Principles of Counterpoint	6
57-163	Eurhythmics III	3
57-183	Solfege III	6
57-204	18th and 19th Century Music History	9
xx-xxx	General Studies Course	6
xx-xxx	Elective	3

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Spring		Units
57-xxx	Studio	9
57-4xx	Major Ensemble	6
57-292	Keyboard Studies IV	3
57-154	18th Century Counterpoint	6
57-164	Eurhythmics IV	3
57-184	Solfege IV	6
57-205	20th Century Music History	9
xx-xxx	History Elective Course	9

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Third Year

Fall		Units
57-xxx	Studio	12
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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Spring		Units
57-xxx	Studio	12
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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Fourth Year

Fall		Units
57-xxx	Studio	12
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

48

Spring		Units
57-xxx	Studio	12
57-4xx	Major Ensemble	6
57-xxx	Performance Elective	3
57-xxx	Music Support Course (Theory/History)	12
xx-xxx	General Studies Course	9
xx-xxx	Elective	6

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Composition

First Year

Fall		Units
57-521	Studio	9
57-4xx	Major Ensemble	6
57-191	Keyboard Studies I	3
57-152	Harmony I	6
57-161	Eurhythmics I	3
57-181	Solfege I	6
57-173	Survey of Western Music History	9
76-xxx	Designated Writing Course	9

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Spring		Units
57-521	Studio	9
57-4xx	Major Ensemble	6
57-192	Keyboard Studies II	3
57-153	Harmony II	6
57-162	Eurhythmics II	3
57-182	Solfege II	6
57-xxx	Music History Course	9
57-101	Introduction to Music Technology	6
99-xxx	Computer Skills Workshop	3

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Second Year

Fall		Units
57-521	Studio	9
57-4xx	Major Ensemble	6
57-291	Keyboard Studies III	3
57-151	Principles of Counterpoint	6
57-163	Eurhythmics III	3
57-183	Solfege III	6
57-257	Orchestration I	6
xx-xxx	General Studies Course	9
xx-xxx	Elective	3

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	Spring	Units
57-521	Studio	9
57-4xx	Major Ensemble	6
57-292	Keyboard Studies IV	3
57-154	18th Century Counterpoint	6
57-164	Eurhythmics IV	3
57-184	Solfège IV	6
57-258	20th Century Techniques	6
xx-xxx	History Elective Course	9
xx-xxx	Elective	3

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	Fall	Units
57-521	Studio	12
57-4xx	Major Ensemble	6
57-332	Introduction to Conducting	6
57-xxx	Music Theory Course	6
57-271	Orchestration II	6
xx-xxx	General Studies Course	9
xx-xxx	Elective	3

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	Spring	Units
57-521	Studio	12
57-4xx	Major Ensemble	6
57-336	Instrumental/Choral Conducting	6
57-xxx	Music Theory Course	6
57-272	Orchestration III	6
xx-xxx	General Studies Course	9
xx-xxx	Elective	3

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Fourth Year

	Fall	Units
57-521	Studio	12
57-4xx	Major Ensemble	6
57-347	Electronic and Computer Music	6
57-459	Score Reading/Keyboard Harmony	6
57-xxx	Music Support Course (Theory/History)	6
xx-xxx	General Studies Course	9
xx-xxx	Elective	3

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	Spring	Units
57-521	Studio	12
57-4xx	Major Ensemble	6
57-349	Supervised Theory Teaching	6
57-xxx	Music Support Course (Theory/History)	6
xx-xxx	General Studies Course	9
xx-xxx	Elective	9

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Dalcroze Eurhythmics Certificate 24 Units

57-465	Eurhythmics V	3
57-466	Eurhythmics VI	3
57-691/692	Dalcroze Pedagogy/Practice Teaching	6
57-350	Dalcroze Piano Improvisation	6
xx-xxx	Creative Movement/Choreography	3
57-641	Dalcroze Research Paper	3

Piano Pedagogy Certificate 30 units

57-273	Piano Pedagogy I	6
57-274	Piano Pedagogy II	6
57-275	Piano Pedagogy III	6
57-276	Piano Pedagogy IV	6
57-429	Beginning Piano for Children	6

Minor in Accompanying for Piano Majors in the School of Music**Admission Requirements:**

The student must apply to enter the program in the office of the Director of Student Services (CFA108A).

Required Courses 36 units

57-381	Accompanying I	6
57-382	Accompanying II	6
57-383	Accompanying III	6
57-384	Accompanying IV	6
57-385	Accompanying V	6
57-386	Accompanying VI	6

Electives (choose from the following courses) 18 units

57-202	Opera History	9
57-220	English Diction	3
57-221	Italian Diction	3
57-222	French Diction	3
57-223	German Diction	3
57-332	Introduction to Conducting	6
57-336	Instrumental/Choral Conducting	6
57-431	Italian Literature and Repertoire	3
57-432	French Literature and Repertoire	3
57-433	Musical Theatre Literature and Repertoire	3
57-434	Musical Theatre Literature and Repertoire	3
57-435	German Literature and Repertoire	3
57-436	English/Contemporary Literature and Repertoire	3
57-459	Score Reading/Keyboard Harmony	6
57-607	Vocal Methods	3

Minimum required for Accompanying Minor: 54 units

Minor in Conducting for Students in the School of Music**Admission Requirements:**

1. The student must apply to enter the program in the office of the Director of Student Services (CFA108A) and have an interview with a member of the conducting faculty.
2. A 3.0 cumulative overall QPA and good academic standing are required for acceptance into the minor in conducting. Note that only a limited number of students can be accepted into the program.
3. In addition to the prerequisite courses listed below, the student must display superior solfège skills, by completing Advanced Solfège I and II with "A" or "B" grades or by demonstrating the equivalent level of skills.
4. Introduction to Conducting and Instrumental/Choral Conducting must be completed during the sophomore year with "A" grades before the student can register for the advanced conducting courses.
5. Conducting Practicum must be taken during the same semester as Independent Study in Conducting.
6. A 3.0 cumulative overall QPA is required for graduation with the minor in conducting

Prerequisite Courses 42 units

57-152	Harmony I	6
57-153	Harmony II	6
57-161	Eurhythmics I	3
57-162	Eurhythmics II	3
57-173	Survey of Western Music History	9
57-xxx	Music History Course	9
57-191	Keyboard Studies I	3
57-192	Keyboard Studies II	3

Corequisite Courses for Voice Majors	12 units
57-151 Introduction to Counterpoint	6
57-154 18th Century Counterpoint	6

Required Courses	45 units
57-332 Introduction to Conducting	6
57-336 Instrumental/Choral Conducting	6
57-408 Form and Analysis	6
57-257 Orchestration I	6
57-271 Orchestration II	6
57-459 Score Reading/Keyboard Harmony	6
57-364 Conducting Practicum	3
57-618 Independent Study in Conducting	6

Electives (choose from the following courses)	12 units
57-220 English Diction	3
57-221 Italian Diction	3
57-222 French Diction	3
57-223 German Diction	3
57-258 20th Century Techniques	6
57-272 Orchestration III	6
57-335 Analysis Seminar	6
57-337 Sound Recording	6
57-338 Sound Editing and Production	6
57-360 Brass Methods	3
57-363 String Methods	3
57-431 Italian Literature and Repertoire	3
57-432 French Literature and Repertoire	3
57-435 German Literature and Repertoire	3
57-450 Jazz Ear Training	3
57-607 Vocal Methods	3
57-225 Contemporary Ensemble	3
57-227 Jazz Ensemble	3
57-228 Chamber Music	3
57-328 Jazz Chamber Music	3

Minimum required for Conducting minor: 57 units

Minor in Jazz Performance for Students in the School of Music

Admission Requirements:

- The student must apply to enter the program in the office of the Director of Student Services (CFA 108A).
- The student must perform an acceptable audition. For the audition, the student should perform two contrasting pieces and demonstrate the potential for the development of improvisatory skills.

Prerequisite Courses	12 units
57-152 Harmony I	6
57-181 Solfege I	6

Required Jazz Courses	24 units
57-xxx Jazz Ensemble or Jazz Vocal Ensemble	3
57-xxx Jazz Ensemble or Jazz Vocal Ensemble	3
57-319 Jazz Piano	3
57-320 Jazz Piano	3
57-328 Jazz Chamber Music	3
57-328 Jazz Chamber Music	3
57-450 Jazz Ear Training	3
57-453 Jazz Improvisation	3

Required Studio Courses	24 units
57-496 Minor Studio	6
57-497 Minor Studio	6
57-498 Minor Studio	6
57-499 Minor Studio	6

Elective Courses (choose 1)	6 units
57-451 Jazz Arranging	6
57-452 Jazz Composition	6
57-454 Jazz Transcription and Analysis	6
57-457 Jazz History I	6
57-458 Jazz History II	6

Minimum units required for Jazz Performance Minor: 54

Minor in Music Education for Students in the School of Music

Admission Requirements:

- The student should apply to the music education faculty no earlier than spring of the freshman year

Corequisite General Courses	45 units
21-xxx Mathematics Course #1	9
21-xxx Mathematics Course #2	9
76-xxx English Literature Course	9
85-xxx Developmental Psychology Course	9
85-xxx Educational Psychology Course	9

Corequisite Music Courses	18 units
57-391 Keyboard Studies V	3
57-392 Keyboard Studies VI	3
57-393 Keyboard Studies Test (education)	0
57-332 Introduction to Conducting	6
57-336 Instrumental/Choral Conducting	6

General Education Courses	18 units
57-331 Principles of Education	9
xx-xxx Professional Education Course	9

Music Education Methods Courses	45 units
General Methods Courses	
57-375 Music in the Elementary School	6
57-356 Elementary Guided Teaching	3
57-376 Music in the Secondary School	6
57-355 Secondary Guided Teaching	3

Applied Area Methods Courses	
57-607 Vocal Methods	3
57-360 Brass Methods	3
57-361 Percussion Methods	3
57-362 Woodwind Methods	3
57-363 String Methods	3
57-207 Secondary Studio (fretted instrument)	3

Band Methods Courses	
57-334 Fundamentals of Marching Band	3
57-331 Band and Choral Arranging	6

Music Education Teaching Courses	15 units
57-608 Observation	3
57-603 Practice Teaching (elementary)	6
57-604 Practice Teaching (secondary)	6

Minimum units required for Music Education Minor: 78

Minor in Music Technology for Students in the School of Music

Admission Requirements:

1. The student must apply to enter the program in the office of the Director of Student Services (CFA108A).

Prerequisite Course 3 units

Computer Skills Workshop must be passed before taking any of the required technology courses.

99-xxx Computer Skills Workshop

Introductory Theory Course 6 units

57-152 Harmony I 6

Required Music Technology Courses 33 units

57-101	Introduction to Music Technology	6
57-337	Sound Recording	6
57-338	Sound Editing and Production	6
57-347	Electronic and Computer Music	6
57-438	Multi-track Recording	9

Elective Courses 24-28 units

Other courses may also be approved as electives with the approval of the advisor for music minors.

Music History Course (Choose 1)

57-173	Survey of Western Music History	9
57-202	Opera History	9
57-205	20th Century Music History	9

Technical Courses (Choose 2)

xx-xxx	H&SS Multimedia Course	9
15-100	Introductory/Intermediate Programming	10
33-114	Physics of Musical Sound	9
54-165	Introduction to Sound Design for Theater I	6
57-610	Internship	9

Minimum units required for Music Technology Minor: 63

Faculty

DENNIS ABELSON, Artist Lecturer in French Horn — B.M., Duquesne University; Carnegie Mellon, 1987—.

TIMOTHY ADAMS, Associate Professor of Percussion — Carnegie Mellon, 1995—.

DOUGLAS AHLSTEDT, Associate Professor of Voice — M.M., Eastman School of Music; Carnegie Mellon, 1998—.

ALBERTO ALMARZA, Associate Teaching Professor of Flute — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1991—.

EDUARDO ALONSO CRESPO, Artist Lecturer in Music History and Conducting — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1989—.

DONNA AMATO, Accompanist — Carnegie Mellon, 1998—.

EFRAIN AMAYA, Artist Lecturer in Music Theory and Resident Conductor — Carnegie Mellon, 1993—.

TOBY APPEL, Artist Lecturer in Viola — Curtis Institute of Music; Carnegie Mellon, 2002—.

KEITH BAJURA, Music/Information Technology — Carnegie Mellon, 1999—.

LEONARDO BALADA, Professor of Composition; University Professor — Diploma, The Juilliard School of Music; Carnegie Mellon, 1970—.

JEANNE BAXTRESSER, Vira I. Heinz Professor of Flute — B.M., The Juilliard School of Music; Carnegie Mellon, 1997—.

SCOTT BELL, Artist Lecturer in Oboe — Carnegie Mellon, 1994—.

NEAL BERTNSEN, Artist Lecturer in Trumpet — Carnegie Mellon, 2003—.

ANTHONY BIANCO, Artist Lecturer in String Bass — Carnegie Mellon, 1945—.

ALVARO BITRAN, Artist-in-Residence in Cello, Cuarteto Latinoamericano — Diploma, National Conservatory of Mexico; Carnegie Mellon, 1987—.

ARON BITRAN, Artist-in-Residence in Violin, Cuarteto Latinoamericano — Diploma, National Conservatory of Mexico; Carnegie Mellon, 1987—.

SAUL BITRAN, Artist-in-Residence in Violin, Cuarteto Latinoamericano — B.M., Rubin Academy of Tel Aviv; Carnegie Mellon, 1987—.

RAY BLACKWELL, Staff Accompanist / Vocal Coach — Carnegie Mellon, 2003—.

ANDRES CARDENES, Dorothy Richard Starling and Alexander Speyer, Jr. Professor of Violin; University Professor — Carnegie Mellon, 1989—.

DAVID CARROLL, Associate Teaching Professor — M.M., New England Conservatory; Carnegie Mellon, 2000—.

MARIA CARUSO, Artist Lecturer in Alexander Technique — Carnegie Mellon, 2003—.

L. MARK CARVER, Associate Teaching Professor of Coaching and Accompanying — M.M., Carnegie Mellon University; Carnegie Mellon, 1995—.

REBECCA CHERIAN, Artist Lecturer in Trombone — Carnegie Mellon, 1993—.

DENIS COLWELL, Associate Professor, Conductor of Wind Ensemble — Carnegie Mellon, 1980—.

MURRAY CREWE, Artist Lecturer in Bass Trombone — Carnegie Mellon, 2001—.

JOHN D'AMICO, Artist Lecturer in Jazz Piano — Carnegie Mellon, 1995—.

CYNTHIA DE ALMEIDA, Artist Lecturer in Oboe — M.M., Temple University; Carnegie Mellon, 1991—.

ERIC DEFADE, Artist Lecturer in Jazz Saxophone — Carnegie Mellon, 2002—.

THOMAS DOUGLAS, Lecturer in Conducting/Jazz Vocal Ensemble — M.M., Duquesne University; Carnegie Mellon, 1991—.

PAUL EVANS, Artist Lecturer in Percussion — Carnegie Mellon, 1995—.

JAMES FERLA, Artist Lecturer in Guitar — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1977—.

ALAN FLETCHER, Head, School of Music, Professor of Music — D.M.A., The Juilliard School of Music; Carnegie Mellon, 2001—.

CYRUS FEROUGH, Professor of Violin — Carnegie Mellon, 2001—.

NANCY GALBRAITH, Professor of Composition — M.M., West Virginia University; Carnegie Mellon, 1984—.

PAUL GERLACH, Artist Lecturer in Music Education — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1982—.

ALASDAIR GILLIES, Artist Lecturer in Bagpipes, Director of Bagpipe Band — Pipe Majors Certificate, Army School of Bagpipe Music; Carnegie Mellon, 1997—.

MARY BETH GLASGOW SCHOTTING, Artist Lecturer in Violin — Carnegie Mellon, 1998—.

NANCY GOERES, Artist Lecturer in Bassoon — B.M., Boston University; Carnegie Mellon, 1988—.

- ENRIQUE GRAF, Artist Lecturer in Piano — Carnegie Mellon, 1996—.
- ANDREA HANSON, Assistant Professor of Voice — M.M. in Voice and M.P.A. in Opera, Oklahoma City University; Carnegie Mellon, 2000— .
- SIDNEY HARTH, Artist Lecturer in Violin — Carnegie Mellon, 2000— .
- ROSEANNA IRWIN, Associate Teaching Professor of Coaching and Accompanying — M.M., Duquesne University; Carnegie Mellon, 1990—.
- JUAN PABLO IZQUIERDO, Professor/Director of Orchestral Studies — Composition, University of Chile; Carnegie Mellon, 1990—.
- CARL JACKSON, Artist Lecturer in Jazz Trombone — Carnegie Mellon, 1992—.
- ANNABELLE JOSEPH, Professor of Music — D.A., Carnegie Mellon University; Carnegie Mellon, 1986—.
- KENNETH KEELING, Professor of Music — D.M.A., Catholic University of America; Carnegie Mellon, 1996—.
- SEAN KELLY, Opera Coach and Staff Accompanist — Carnegie Mellon, 2001— .
- LANCE LADUKE, Artist Lecturer in Euphonium — Carnegie Mellon, 2003—.
- CARLA LAROCCA, Lecturer in Keyboard Studies — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1991—.
- ELIZABETH LAWRENCE, Artist Lecturer in Jazz Voice — Carnegie Mellon, 1996— .
- GREGORY LEHANE, Professor of Drama and Music — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1991—.
- MIMI LERNER, Associate Professor of Voice — M.F.A., Carnegie Mellon University; Carnegie Mellon, 1993—.
- HANNA WU LI, Associate Professor of Piano Pedagogy — M.M., Northwestern University; Carnegie Mellon, 1969—.
- MARIE LIBAL-SMITH, Accompanist — M.M., Indiana University; Carnegie Mellon, 2002—.
- ANTHONY LORING McKAY, Professor of Drama — B.F.A., Carnegie Mellon University; Carnegie Mellon, 1985—.
- LUZ MANRIQUEZ, Associate Teaching Professor of Coaching and Accompanying — Carnegie Mellon, 1992—.
- JOHN MARCINIZYN, Artist Lecturer in Guitar — Ph.D., University of Pittsburgh; Carnegie Mellon, 1991—.
- SUSANNE MARSEE, Artist Lecturer in Voice — Carnegie Mellon, 2000—.
- ANNE MARGUERITE MICHAUD, Artist Lecturer in Harp — B.M., The Juilliard School of Music; Carnegie Mellon, 1988—.
- FRANCISCO JAVIER MONTIEL, Artist-in-Residence in Viola, Cuarteto Latinoamericano — Carnegie Mellon, 1987—.
- WALTER MORALES, Assistant Director of Orchestral Studies — Carnegie Mellon, 2002—.
- ROBERT MOYER, Artist Lecturer in Music Education — M.M, Indiana University of Pennsylvania; Carnegie Mellon, 1987—.
- MAHO NABESHIMA, Artist Lecturer in Solfege — Carnegie Mellon, 2002 — .
- STEPHEN NEELY, Artist Lecturer in Eurhythmics, Director of School of Music Pre-College Programs — M.M., Carnegie Mellon University; Carnegie Mellon, 1998—.
- JOSEPH NEGRI, Artist Lecturer in Jazz Guitar — B.F.A., Carnegie Mellon University; Carnegie Mellon, 1988—.
- DAVID OKERLUND, Artist Lecturer in Voice — Carnegie Mellon, 2003—.
- NATALIE OZEAS, Associate Professor, Director of Music Education, and Associate Head, School of Music — Ed. D., University of Pittsburgh; Carnegie Mellon, 1989—.
- ROBERT PAGE, Paul Mellon Professor of Music and Director of Choral Studies — M.M., Indiana University; Carnegie Mellon, 1976—.
- PHILIP PANDOLFI, Artist Lecturer in Bassoon — Carnegie Mellon, 1995—.
- ANTHONY PASQUARELLI, Artist Lecturer Emeritus in Trumpet — Carnegie Mellon, 1957—.
- DAVID PELLOW, Director of Jazz Studies, Artist Lecturer in Double Bass and Bass Guitar — M.M., Duquesne University; Carnegie Mellon, 1991—.
- DILSHAD POSNOCK, Director, Artist Diploma Program, Artist Lecturer in Flute — Carnegie Mellon, 1999 —.
- MILDRED MILLER POSVAR, Artist Lecturer in Voice — Carnegie Mellon, 1981— .
- DAVID PREMO, Artist Lecturer in Cello — Carnegie Mellon, 1994—.
- SANDRA RAGUSA, Director of Recruitment, Artist Lecturer in Music Education — B.M. University of Southern California; Carnegie Mellon, 2003—.
- MICHAEL RUSINEK, Artist Lecturer in Clarinet — Carnegie Mellon, 1998— .
- SERGEY SCHEPKIN, Visiting Associate Professor of Piano — Carnegie Mellon, 2003 —.
- IRENE SCHREIER, Artist Lecturer in Piano — Diploma, Konservatorium Luzern; Carnegie Mellon, 1985—.
- RICCARDO SCHULZ, Associate Teaching Professor and Director of Recording Activities — M.A., University of Pittsburgh; Carnegie Mellon, 1988—.
- STEPHEN SCHULTZ, Artist Lecturer in Music History, CMU Baroque — Carnegie Mellon, 2002 —.
- FRANCO SCIANNAMEO, College Distinguished Scholar in Multidisciplinary Studies — D.M., Accademia Nazionale di Santa Cecilia; Carnegie Mellon, 1990—.
- LEWIS STROUSE, Associate Teaching Professor of Music Education— D.A., Ball State University; Carnegie Mellon, 1992—.
- PETER SULLIVAN, Artist Lecturer in Trombone — Carnegie Mellon, 2000—.
- MARILYN TAFT THOMAS, Professor of Theory and Composition — Ph.D., University of Pittsburgh; Carnegie Mellon, 1981—.
- GEORGE THOMPSON, Artist Lecturer in Dance — Carnegie Mellon, 1989—.
- THOMAS THOMPSON, Artist Lecturer in Clarinet and Saxophone — M.M., Northwestern University; Carnegie Mellon, 1986—.
- STEPHEN TOTTER, Artist Lecturer in Voice — Carnegie Mellon, 1994—.
- JEFFREY TURNER, Artist Lecturer in String Bass — Carnegie Mellon, 1989—.
- REZA VALI, Associate Professor of Composition — Ph.D., University of Pittsburgh; Carnegie Mellon, 1988—.
- GRETCHEN VAN HOESEN, Artist Lecturer in Harp — M.M., The Juilliard School; Carnegie Mellon, 1985—.
- GEORGE VOSBURGH, Artist Lecturer in Trumpet — Carnegie Mellon, 2003 —.
- HAROLD WALLS, Recording Engineer — Carnegie Mellon, 1999 —.
- BILLIE JO MILLER WARD, Staff Accompanist — Carnegie Mellon, 1996— .
- GLENN WAYLAND, Artist Lecturer in Jazz Trombone — Carnegie Mellon, 1989 — .
- JAMES WHIPPLE, Artist Lecturer in Theory — Carnegie Mellon, 1995—.
- EARL WILD, Distinguished Artist-in-Residence — Carnegie Mellon, 1993—.
- COLETTE JOUSSE WILKINS, Assistant Lecturer in Solfege — First Prize, Conservatoire National de Versailles, France; Carnegie Mellon, 1974—.
- DONALD WILKINS, Professor Emeritus of Organ — First Prize Paris Conservatory, Fellow American Guild of Organists, M.A., Harvard University; Carnegie Mellon, 1966—.
- ANNE MARTINDALE WILLIAMS, Artist Lecturer in Cello — Diploma, Curtis Institute of Music; Carnegie Mellon, 1987—.
- JOHN WILSON, Artist Lecturer in Jazz History/Jazz Trumpet — Carnegie Mellon, 2001—.
- ISAIAS ZELKOWICZ, Artist Lecturer in Viola — M.M., The Juilliard School; Carnegie Mellon, 1981—.