LSA Degree Requirements

This document is an unofficial representation of the information available on the LSA website.

For official and updated information, please view the LSA website.


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The College awards four degrees, the Bachelor of Arts (A.B.), the Bachelor of Science (B.S.), the Bachelor in General Studies (B.G.S.), and the Bachelor of Science in Chemistry (B.S. Chem.).

The Bachelor of Arts and Bachelor of Science degrees require a general understanding of the humanities, natural sciences, and social sciences as well as in-depth study of at least one subject area. Students are also required to achieve competency in the use of the English language and to acquire proficiency in a language other than English. They must elect one or two courses designed to develop skills in quantitative reasoning and one course addressing issues involving race and ethnicity. Beyond these general requirements, students may choose elective courses to complete a minimum of 120 credits. The Bachelor of Science degree requires 60 credits in physical and natural science and mathematics. Students pursuing a secondary teaching certificate are required to earn additional credits through the School of Education.

The Bachelor in General Studies degree encourages students to take responsibility for structuring their own multidisciplinary academic programs. This degree requires a minimum of 120 credits, and includes First-Year Writing, Upper-Level Writing, Race & Ethnicity, and Quantitative Reasoning requirements. At least 60 credits of courses numbered 300 or above must be completed with no more than 20 of these 60 credits from one SUBJECT. Residential College students doing a BGS must include in their academic plan the completion of the RC arts practicum, the live-in requirement, the RC language requirement and the four-RC-course requirement. RC students should consult advisors in the Residential College to plan their BGS degree.

The Bachelor of Science in Chemistry is described elsewhere.

Students are responsible for knowing and meeting degree requirements. A student may comply either with the degree requirements that are in effect during the first term of enrollment in the College or at the time of graduation. Requirements for majors are those applicable at the time the student declares the major.

Honors students must consult the Honors Program about special degree requirements, courses, policies, and procedures.

Selection of a Degree Program and Program Advising

Students should declare their choice of degree program sometime before the beginning of the junior year. This is done in consultation with a department or BGS academic advisor.

Students in Bachelor of Arts (A.B.) or Bachelor of Science (B.S.) programs are expected to meet with a department advisor and formally declare their major by the end of their sophomore year. Students must also have their department advisors submit a Major Release Form when they are planning to graduate. Department advisors are, most often, faculty or staff members from LSA departments who help students shape and focus their academic goals. They review students’ progress in the major, discuss how to apply to graduate or professional school, or explore the job skills acquired in the study of a particular discipline. Students meet with Department advisors in their departmental offices.

Students pursuing a Bachelor in General Studies (BGS) degree may consult with general advisors but are urged to make appointments with BGS advisors. BGS advisors are members of the Office of Academic Standards and Academic Opportunities and are housed in the Newman LSA Academic Advising Center. They are knowledgeable and experienced staff members familiar with College rules, regulations, policies, and curriculum. BGS students must see a BGS advisor when they declare their degree program. All BGS students are encouraged to see their advisors each term to discuss course elections and program planning. It is strongly recommended that BGS students see a BGS advisor in the term in which they apply for graduation.

Common Requirements for the A.B., B.S., and B.G.S. Degrees

Credits and Grade Point Average (GPA)

To qualify for a degree from the College, a student must complete a minimum of 120 credits with a cumulative grade point average (GPA) of 2.0 (C). The overall GPA of courses included in the field of the major (see Policies for the Major below) for an A.B. or B.S. degree or counted toward the 60 credits of upper-level courses required for a B.G.S. degree must be at least 2.0.

Writing Requirements

LSA requires all of its students to complete the First-Year Writing Requirement and the Upper-Level Writing Requirement with a minimum grade of C- in each course. The Gayle Morris Sweetland Center for Writing administers these writing requirements and approves all First-Year and Upper-Level Writing Requirement courses.

The Sweetland Center for Writing believes that students:

- need regular practice to learn to write well;
- learn best about a subject by writing about it; and
- should be able to recognize and employ the writing conventions of their chosen discipline.

Courses offered to fulfill these writing requirements aim to enhance students’ critical thinking and writing skills to prepare them for writing in both their undergraduate years and future educational and professional work.

All Writing Requirement courses offered for a particular term can be found by using the “Skills Req” drop-down menu and checking the appropriate box to locate “Upper Level” or “First Year” writing requirement courses offered.

First-Year Writing Requirement (FYWR)

The goal of the First-Year Writing Requirement is to prepare students to write in diverse academic contexts. As a broad preparation for the range of writing tasks students will encounter at the University of Michigan and beyond, FYWR courses emphasize evidenced, academic writing in a variety of genres and rhetorical situations. A FYWR course is foundational for students to master the kind of analysis and argumentation found in sophisticated academic writing.

The First-Year Writing Requirement should be completed in the first year with a minimum grade of C– and must be satisfied before electing a class to satisfy the Upper-Level Writing Requirement. Advanced Placement (AP) credit does not fulfill the FYWR.

FYWR courses assign writing tasks designed to help students:

- produce complex, analytic, well-supported arguments that matter in academic contexts;
- read, summarize, analyze, and synthesize complex texts purposefully in order to generate and support writing;
- demonstrate an awareness of the strategies that writers use in different rhetorical situations;
- develop flexible strategies for organizing, revising, editing, and proofreading writing of varying lengths to improve development of ideas and appropriate expression; and
- collaborate with peers and the instructor to define revision strategies for particular pieces of writing, to set goals for improving writing, and to devise effective plans for achieving those goals.
Students who seek a more individualized and gradual introduction to college writing may choose to take WRITING 100: Transition to College Writing and/or WRITING 120: College Writing for Multilingual Writers offered by the Sweetland Center for Writing before a First-Year Writing Requirement course.

WRITING 100 is a 3-credit ungraded course designed for students who:

- learn best with one-to-one instructor support;
- seek more experience drafting and revising academic essays;
- prefer a more gradual introduction to writing longer academic essays on a variety of topics; and/or
- would benefit from an additional term to gain confidence in their writing and reading skills at the college level.

WRITING 120 is a 3-credit graded course designed for students who:

- feel most comfortable with academic writing in a language other than English and/or
- want an opportunity to work closely with an instructor to become better prepared for writing in English.

Placement. Rather than placing students in a specific course, first-year students (except LSA Honors and RC) are asked to complete the Directed Self-Placement (DSP) to help them judge their own readiness for and comfort with college-level writing. Prior to attending Orientation, students complete an online reading and writing assignment and answer questions about that experience and their previous writing experiences. When meeting with their advisor during Orientation, students receive a course recommendation based upon their responses to the DSP essay and questions, evaluate themselves as writers, discuss their course recommendation, and choose a writing course that will enable them to become more proficient and confident in college-level academic writing. Students’ DSP essays are sent to the instructor of their first writing course as an introduction to their writing and to help instructors work with students to identify strengths and areas for improvement.

Transfer students who have completed writing courses at another college or university may be able to use those courses to satisfy the First-Year Writing Requirement. The list of currently approved and non-approved courses is available at:

www.lsa.umich.edu/sweetland/writingrequirements/

This webpage also provides information on what steps to take if the transfer course is not on either list.

Upper-Level Writing Requirement (ULWR)

The goal of the Upper-Level Writing Requirement is to teach students to recognize and employ the writing conventions of their chosen major or discipline.

Students must satisfy the First-Year Writing Requirement before electing one of the courses approved to satisfy the ULWR. A minimum course grade of C– is required in order to satisfy the ULWR.

Overall ULWR learning goals for students are as follows:

- logically organize their thoughts into writing;
- use clear and concise language;
- analyze information effectively;
- incorporate appropriate evidence into their analyses; and
- understand the central concepts, approaches, materials and written conventions in their chosen major or discipline.

Over the course of the term, students will complete several writing assignments that are related to course content and intended to help students practice the rhetoric of their specific discipline. Possible assignments may include journals, research papers, critical analyses, and/or lab reports. Students will receive feedback on their writing from their ULWR instructor and are expected to revise much of their work throughout the term.

A course approved to meet the requirement one term is not necessarily approved to meet the requirement in subsequent terms.

Quantitative Reasoning

The goal of the Quantitative Reasoning requirement is to ensure that every graduate of the College achieves a certain level of proficiency in using and analyzing quantitative information.

Quantitative Reasoning is the methodology used to analyze quantitative information to make decisions, judgments, and predictions. It involves defining a problem by means of numerical or geometrical representations of real-world phenomena, determining how to solve it, deducing consequences, formulating alternatives, and predicting outcomes. QR courses may come from a wide range of disciplines representing the natural and social sciences.

Students may fulfill this requirement by:

- passing one course of three or more credits designated for full QR credit (QR/1); or
- passing two courses (at least one of which must be of three or more credits) designated for half QR credit (QR/2).

Advanced Placement (AP) courses may not be used to meet the Quantitative Reasoning requirement.

Courses transferred from another college or university do not generally carry QR credit, except in the following circumstances:

1. QR is considered fulfilled for all science, math, and computer science majors who transfer in the required prerequisite courses.
2. Transfer credit of at least three credits for PHYSICS 125, 126, 140, 240, or a statistics course receive (QR/1) credit.

Courses used to satisfy the QR requirement also may satisfy other College requirements.

Race & Ethnicity

At some point before graduation, students must receive credit for one course of at least three credits from a list of Race & Ethnicity courses published each term on the LSA website:

www.lsa.umich.edu

These courses will address issues arising from racial or ethnic intolerance and will meet the following criteria:

1. Required content. All courses satisfying the requirement must provide discussion concerning:
   a. the meaning of race, ethnicity, and racism;
   b. racial and ethnic intolerance and resulting inequality as it occurs in the United States or elsewhere;
   c. comparisons of discrimination based on race, ethnicity, religion, social class, or gender.

2. Required focus. Every course satisfying the requirement must devote substantial, but not necessarily exclusive, attention to the required content. Although it is hoped that many of these courses will focus on the United States, it is not required that they do so. Courses that deal with these issues in other societies, or that study them comparatively, may also meet the requirement.

Credits transferred from another college or university do not meet the requirement except by successful petition to the Academic Standards Board.

Credits used to satisfy the R&E requirement also may be used to satisfy other college requirements.

Non-LSA Course Work

Students in the College of Literature, Science, and the Arts must complete a program of study consisting of courses primarily from LSA or equivalent transfer credit.

Undergraduate LSA courses are listed in the LSA Undergraduate Course Catalog. Courses offered by other academic units (e.g., Stephen M. Ross School of Business, Education, Engineering) of the University of Michigan (Ann Arbor) and not listed in the LSA Undergraduate Course Catalog are defined as non-LSA courses.
Non-LSA course work earns credit toward a degree and honor points according to the following policies:

1. Candidates for an A.B., B.S., or B.G.S. degree must complete a minimum 100 credits of LSA courses, allowing 20 credits of non-LSA course work in the minimum 120 required for the degree. Non-LSA credits in excess of 20 will be included in the calculation of a student’s GPA, but will not be counted toward the 120 credits needed for a Bachelor’s degree in LSA.

2. Courses cross-listed between LSA and another school or college of the University of Michigan (Ann Arbor) count toward the required number of LSA credits.

3. School of Kinesiology courses cross-listed with an LSA SUBJECT count for degree credit as LSA courses.
   - Kinesiology (KINESLGY) 505
   - Sport Management (SM) 421

   All other School of Kinesiology courses are recorded as "not for credit" for LSA students except for the following courses for which LSA students may receive non-LSA degree credits:
   - Athletic Training (AT) 220/221, 375
   - Kinesiology (KINESLGY) 302, 421, 422, 423, 424, 425, 427, 435, 437, 438, 441, 442, 443, 444, 446, 448, 450, 471, 474, 513, 533, 542, 545
   - Kinesiology Study (KINSTUDY): none
   - Physical Education (PHYSED) 255, 336, 444
   - Sport Management (SM) 101 (No credit for LSA students with junior or senior standing), 111, 203, 217, 249, 331, 332, 333, 341, 342, 346, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 444, 446
   - U-Move (UMOVE): none
   - other SUBJECTs in the School of Kinesiology: none

4. University of Michigan School of Music, Theatre & Dance ensemble courses yield non-LSA degree credit but no honor points (except for those cross-listed with LSA: ENS 405, 406, 407).

5. Transfer credit for Speech and Journalism courses are counted as non-LSA.

6. The College does not grant degree credit for any courses offered through the Military Officer Education Program except for those courses cross-listed in other academic units.

### Requirements Particular to the B.G.S. Degree

**Not open to Honors students**

The Bachelor in General Studies degree requires that at least 60 of the 120 credits be upper-level (numbered 300 or above). Below are specific policies regarding the 60 upper-level credits.

1. No more than 20 credits of upper-level courses may be counted from one department unless a department has multiple SUBJECTs.
2. If a department has several SUBJECTs, a B.G.S. student may elect up to 20 credits of upper-level credits from each SUBJECT.
3. No more than 60 credits may be elected in all SUBJECTs of a department.
4. At least 40 of the required 60 upper-level credits must be in LSA courses.
5. There is no expectation that 20 credits must be elected in any one SUBJECT.
6. More than 20 upper-level credits from one SUBJECT may be incorporated in the degree total of 120 credits as long as no more than 20 of these are counted in the 60 upper-level total.

7. A student must earn an overall GPA of at least 2.0 in the courses used to meet the requirement of 60 upper-level credits.

Students in the Residential College may pursue a BGS. RC students electing the BGS degree must include in their academic plan the completion of the RC arts practicum, the live-in requirement, the RC language requirement and the four-RC-course requirement. RC students should consult advisors in the Residential College to plan their BGS degree.

The BGS degree is not open to students enrolled in the Honors Program.

### Requirements Particular to the A.B., B.S., and B.S.Chem Degrees

By the end of the sophomore year, students should have met the language requirement, made substantial progress toward completing an area distribution plan, and completed prerequisites for a major.

### The Language Requirement

LSA’s language requirement seeks to prepare students for a world that has been profoundly transformed by the forces of globalization. Language shapes both how we understand and how we negotiate our world; learning a second language provides both a deep awareness of differences (linguistic and cultural) and a means to bridge them. Informed respect for other cultures, tolerance, cosmopolitanism, self-awareness, and flexibility are the hallmarks of a liberal education, and the study of foreign languages fosters precisely these capacities.

A student whose first language is not English and who attended a high school where English was not the language of instruction is considered to have met the requirement.

Fourth-term proficiency in a language other than English is required and may be met by any one of:

1. Certified proficiency on a University of Michigan reading and/or listening test. Students with previous experience in the language they plan to use to meet the language requirement must take a language placement test. **A student may not elect for credit a language course below this placement level without departmental permission.**

2. Credit for a University of Michigan fourth-term language course listed below with a grade of C– or better.

   - African Languages (AAS 226)
     - Akan/Twi, Bambara/Bamana, Wolof, Zulu/IsiZulu
   - American Sign Language (LING 251 or RCCORE 204 or RCASL 202)
   - Arabic
     - Classical (AAPTIS 582)
     - Modern Standard (one of: AAPTIS 202, 204, 205, 216, 218, 419, 420)
   - Armenian
     - Eastern (AAPTIS 282 or ARMENIAN 282)
     - Western (AAPTIS 272 or 273, or ARMENIAN 272 or 273)
   - Bosnian, Croatian, and Serbian (BCS 232 or 225)
   - Central Asian Languages (AAPTIS 250 or ASIANLAN 250)
   - Uzbek, Kazakh, Uyghur, Pashto, or Tajik
   - Chinese (ASIANLAN 202, 203, or 204)
   - Czech (CZECH 242)
   - Dutch (DUTCH 232)
   - Filipino (ASIANLAN 212)
   - French (FRENCH 230 or 232, or RCLANG 290)
   - German (GERMAN 230 or 232 or 291, or RCLANG 291)
   - Greek
     - Classical (GREEK 301 and 302, or 405)
     - Biblical (GREEK 307 and 308, or ACABS 307 and 308)
     - Modern (MODGREEK 202)
   - Hebrew
     - Classical (ACABS 202)
     - Modern (HICS 202 or 210)
   - Hindi (ASIANLAN 216 or 217)

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Indonesian (ASIANLAN 222)  
Italian (ITALIAN 232 or 230)  
Japanese (ASIANLAN 226 or 227 or 229, or RCLANG 296)  
Korean (ASIANLAN 236 or 237 or 238)  
Latin (LATIN 232 or 233 or 295, or RCLANG 295)  
Ojibwe (AMCULT 323)  
Persian (AAPTIS 242 or 243)  
Polish (POLISH 222)  
Portuguese (PORTUG 232 or 230)  
Punjabi (ASIANLAN 246)  
Quechua (LACS 474)  
Russian (RUSSIAN 202 or 203 or 223 or 325, or RCLANG 293)  
Sanskrit (ASIANLAN 252)  
Spanish (SPANISH 230 or 232, or RCLANG 294)  
Swahili (AAS 216)  
Swedish (SCAND 234)  
Thai (ASIANLAN 262)  
Tibetan  
Classical (ASIANLAN 468)  
Modern (ASIANLAN 266)  
Turkish (AAPTIS 252 or 255)  
Ukrainian (UKR 252 or 203)  
Urdu (ASIANLAN 272)  
Uzbek (AAPTIS 253)  
Vietnamese (ASIANLAN 276)  
Yiddish (YIDDISH 202 or JUDAIC 202 or GERMAN 228)  

Students who wish to meet the requirement with proficiency in a language not listed in the table above should contact the Academic Standards Board.

3. Credit for a University of Michigan language course which presumes a fourth-term proficiency in a language (except for: 305 and/or 306 in FRENCH, GERMAN, ITALIAN, MODGREEK, and SCAND; 405 and/or 406 in GERMAN and SCAND; SPANISH 278/AMCULT 224, and SPANISH 308).

**Students must earn a grade of C- or better in the prerequisite language course to proceed to the subsequent course.** Any exception to this rule must be granted by a designated faculty representative in the department.

The final course in an elementary language sequence used to satisfy the Language Requirement must be elected on a graded basis.

The language requirement cannot be satisfied by out-of-residence credit which is elected after the student has begun degree enrollment in LSA unless the appropriate language department has approved that plan in advance.

No more than 60 credits in one language (other than English) may be counted in the 120 required for a degree. However, the 60 credit limit on courses elected in one major may be exceeded when the excess credits have been used to meet the language requirement.

### Area Distribution

Areas of learning are divided into five area categories:

- the natural sciences
- the social sciences
- the humanities
- mathematics and symbolic analysis
- creative expression

Each of these divisions represents a different perspective on human knowledge and learning; some departments and programs overlap these divisions while others may stand outside them.

### Definitions

#### Natural Science (NS)

Natural Science courses focus on the understanding of our natural world through application of the scientific method, which emphasizes observation, experimentation, formation of testable hypotheses about natural phenomena, and testing of those hypotheses.

#### Social Science (SS)

Social science courses focus on the study of the social behavior of individuals, groups, societies, nations, and states. Social scientists often use qualitative methods, such as ethnography, oral history, and descriptive analysis of archival materials and artifacts. They also use quantitative tools grounded in the scientific method to collect and analyze data, and form testable hypotheses about social phenomena.

#### Humanities (HU)

Humanities courses focus on the human condition as expressed, for example, in literature, religion, philosophy, and the visual and performing arts. Its methods are analytical, critical, and speculative, and can often be contrasted with the quantitative and qualitative methods employed in the social sciences.

#### Mathematical and Symbolic Analysis (MSA)

Mathematical and Symbolic Analysis courses focus primarily on the mathematical and statistical tools used to support the study of the natural and social sciences. Rather than mathematical manipulation or computation, these courses focus on the methodology used to analyze quantitative information to make decisions, judgments and predictions. This involves defining a problem by means of numerical or geometrical representations of real-world phenomena, determining how to solve it, deducing consequences, formulating alternatives, and predicting outcomes. In addition to mathematics and statistics, MSA courses are taught in a variety of subjects, including astronomy, biology, chemistry, economics, the environment, geological sciences, philosophy, physics, and sociology.

#### Creative Expression (CE)

Creative Expression courses entail hands-on activities that allow students to express their creativity through a wide range of arts. This differs from courses in the Humanities (HU) that are taught at a more theoretical or abstract level. For example, HU music courses focus on theory without making sounds or practicing music. CE courses teach students how to apply the theory not only on paper but through playing an instrument, creating sound, composing music, or arranging music. CE courses may address many different mediums, including the performing arts, fine arts, plastic and visual arts, architecture, ceramics, metalworking, paper and textiles, woodworking, and glass.

#### Interdisciplinary (ID)

Interdisciplinary courses combine in roughly equal measure the approaches within two or three of the primary distributions (HU, NS, and SS) in order to examine the differences and similarities between disciplines and explore alternative ways of discovering and organizing knowledge. Interdisciplinary work is primarily concerned with crossings and connections between areas of knowledge, inquiry, and method. ID courses emphasize critical thinking, team-based intellectual work, and the analytic skills characteristic of each discipline.

### Area Distribution Requirement

All candidates for the Bachelor of Arts and Bachelor of Science degrees from the College must fulfill the 30-credit Distribution Requirement.

This broad intellectual experience, which forms an essential part of a liberal arts education, is to be achieved in the following way:

1. Students must complete 7 credits in each of the following three areas:  
   - Natural Science (NS), Social Science (SS), and Humanities (HU), for a total of 21 credits.
2. Students must also complete 3 additional credits in three of the following five areas: (NS), (SS), (HU), Mathematical and Symbolic Analysis (MSA), and Creative Expression (CE), for a total of 9 credits. Credits in courses designated Interdisciplinary (ID) may be used to satisfy up to 9 credits of this part of the requirement.

**General Policies for Area Distribution Plans**

An area distribution plan may include:

1. Prerequisites to a major elected outside the department of the major
2. Courses elected pass/fail, credit/no credit, or by any other non-graded pattern
3. Courses elected to satisfy one of two majors by students who elect a double major (see "Double Major" below in this chapter).
4. Transfer credit from other schools and colleges of the University of Michigan and from other academic institutions
5. A course elected outside the department of the major or requirements for the major used to meet the Upper-Level Writing Requirement, the Race & Ethnicity Requirement, or the Quantitative Reasoning Requirement
6. Courses in non-LSA units offering courses with Creative Expression designation (Credits are counted as non-LSA):

**Pennsylvania W. Stamps School of Art & Design**

Art & Design (ARTDES)

110. Digital Studio I
170. Drawing for Non-Majors
171. Printmaking for Non-Majors
172. Painting for Non-Majors
173. Digital Photography for Non-Majors
174. Watercolor for Non-Majors
175. Life Drawing for Non-Majors
176. Graphic Imaging for Non-Majors
177. Metals for Non-Majors
178. Animation for Non-Majors
179. Sculpture for Non-Majors
181. Clay for Non-Majors
182. Wood for Non-Majors
220. Tools, Materials & Processes Studio III: Time
230. Concept Form and Context Studio II
231. Concept Form and Context Studio III

**University Arts (UARTS)**

150. Introduction to Creative Process (effective Winter 2015)

**Alfred A. Taubman College of Architecture + Urban Planning**

Architecture (ARCH)

201. Basic Drawing
202. Graphic Communication
218. Visual Studies

**School of Music, Theatre & Dance**

Performance – Piano (PIANO)

110. Performance
111. Performance

**Dance (DANCE)**

100. Introduction to Dance
261. Congolese Dance 1
262. Congolese Dance 1

**Ensemble (ENS):** All Courses 100-399

Courses (100-399) in Music Performance SUBJECTs other than Piano Performance, may also be used for Creative Expression, but enrollment is restricted to students of advanced ability.

**An area distribution plan may not include:**

1. Any course from the department of the major
2. Required cognates in a major
3. Courses at the 400-level and above.
4. Experiential courses, Independent Study, and University (UC) mini-courses
5. Advanced Placement credits.

**Major**

The requirement for a major provides the opportunity to acquire in-depth knowledge in one academic discipline while developing and refining skills that will serve students in a wide array of academic and non-academic endeavors.

All majors and minors are listed on the official transcript once the student graduates and the degree is posted. However, majors and minors are not listed on the diploma unless a student receives Honors in a major through the Honors Program.

1. Students normally declare a major during the second term of the sophomore year.
2. To declare a major, a student should contact the appropriate department and make an appointment with a department advisor.
3. After developing a plan for the major with the student, the department advisor has the major entered on the student’s record.
4. Requirements for majors are those applicable at the time the student declares the major.
5. A student may change the plan for the major with the approval of the department advisor.
6. Students may change majors after meeting with a department advisor in a different department.

**Policies for Majors**

1. Each A.B. or B.S. student must develop a plan for the major in consultation with a department advisor, who must also approve it.
2. Course requirements for the various majors range from 24 to 48 credits at the 200-level and above.
3. No more than 60 credits in a major (including courses in one department and the required cognates) may be counted toward the 120 for the degree. When an academic department has two or more SUBJECTs (e.g., Anthropology, Romance Languages and Literatures), a student may count a total of 60 credits from that department, not from each SUBJECT.
4. No more than 60 credits in one language (other than English) may be counted in the 120 required for a degree. However, the 60 credit limit on courses elected in one major may be exceeded when the excess credits have been used to meet the language requirement.
5. Students electing an area, interdepartmental, or special major may count no more than 60 credits in any one department.
6. Students may not elect courses in a major, including required cognates, using the Pass/Fail grading option.
7. A department or program may include Experiential or Directed Reading / Independent Study courses that are graded on a Credit / No Credit basis in its major, but all other courses in the major must be taken for a grade.
8. No course from the department of the major or a required course in a major may be part of a distribution plan (see, however, "Double major" below).
9. A student must earn an overall GPA of at least 2.0 in courses taken in the field of the major. This includes all courses taken in the department of the major (prerequisites, required courses, and electives) and any required cognates. Exceptions for specific majors are listed on the Academics and Requirements website.
10. Courses that are part of the student’s major may also meet the Upper-Level Writing Requirement, the Race & Ethnicity Requirement, or the Quantitative Reasoning Requirement.
11. Effective in Fall 2004, students graduating with an Honors plan are required to earn an overall GPA of 3.4. Individual departments may have higher GPA requirements for courses in the major. Check Honors plan guidelines in individual departments.

**Majors**

Afroamerican and African Studies (AAS)
American Culture
Anthropology
Arts and Ideas in the Humanities
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**Individual Major Program**

Students with academic interests outside existing majors may propose their own field of major and, on approval, elect the Individual Major Program.

**Honors Plan**

All departments and interdisciplinary programs offer Honors versions of their majors, which are coded as Honors Plans. At the beginning of the third year, or when it is appropriate in the department’s process, students may apply to a departmental Honors major. Students who meet departmental criteria are eligible to apply whether or not they have previously been in the Honors Program. Admission of upperclass students is determined by LSA departments and programs. Students will be required to have a cumulative GPA of 3.4 to graduate with Honors; they may embark on an Honors major before they have reached that threshold, but the minimum should be attainable by the time they graduate. Students who are accepted into an Honors major program automatically become LSA Honors students.

Honors majors are described under the relevant departmental listings. Candidates for graduation with Honors must perform very well in courses and also demonstrate ability in original thesis work, and, in some majors, pass a comprehensive examination. Effective in Fall 2004, students graduating with an Honors plan are required to earn an overall GPA of 3.4. Individual departments may have higher GPA requirements for courses in the major. Check Honors plan guidelines in individual departments.

Many departments require their Honors majors to register for special seminars and independent study research courses. During the senior year, Honors majors carry out research and write a thesis under the direction of a faculty mentor. With only a few exceptions, graduation with Honors requires the completion of a Senior Honors thesis.

After an evaluation of the thesis and the overall academic record, Honors department advisors recommend that students graduate with an Honors degree.

The department will then send one of four possible recommendations to the Honors Office: "No Honors," "Honors," "High Honors," or "Highest Honors." No Honors is given for work that does not meet departmental standards, and for students with GPAs under 3.4 ("No Honors" is not noted on the transcript or diploma). The other three will be posted on the final transcript and diploma. Honors majors are described under the relevant departmental listings under Majors & Minors.

Students may also petition the Honors Program for approval of an Honors Individual Major Program (HIMP). Information about the Honors Individual Major Program is available in 1330 Mason Hall.

In some rare circumstances, departments may ask the Honors Academic Board to graduate with Honors a student whose cumulative GPA is below the required threshold at the time of graduation. The request should be made by the faculty advisors who knows the student’s work and history best, but must be endorsed by the Director of Undergraduate Studies and the Chair of the Department. The letter(s) for this request should explain the student’s circumstances, describe the Honors work, and provide a justification for making an exception to the GPA requirement.

**Double Major**

A student electing a double major must meet all requirements for both majors. Courses, including cognates, elected as part of one major may be used, when appropriate, to satisfy the requirements of the second major. Courses from one of the majors may be used toward distribution. Each major must be developed in consultation with and approved by a department advisor.
Requirements Particular to the B.S. Chem. Degree

May be elected as a special degree program

Exclusions: Students who elect B.S. Chem may not elect the following major: Interdisciplinary Chemical Sciences or Chemical Science. They may also not elect any of the Chemistry minors.

The B.S. in Chemistry is the most rigorous degree in pure chemistry offered by the Chemistry department, and should be the degree of choice for students who plan to pursue Ph.D. studies in one of the traditional sub-areas of the field (Organic Chemistry, Inorganic Chemistry, Physical Chemistry, and Analytical Chemistry) or students who plan to seek careers in the Chemical Industry. Students are required to take several lecture and lab courses in all of these core areas, and are also required to complete 4 credits (two semesters) of undergraduate research.

Chemistry Degree Credit and GPA Requirements

124 Credits. A grade point average of at least 2.0 is required; this includes chemistry courses, mathematics and physics prerequisites and advanced electives which are part of the B.S.Chem. degree.

Special Policies

Prospective majors are advised that further study in chemistry requires adequate performance in early chemistry courses (preferably B- or better) as well as in the mathematics and physics prerequisites.

The Chemistry department requires that a student earn a grade of at least C- in all CHEM courses and mathematics and physics courses which are prerequisite for subsequent elections.

The Mathematics department requires that all prerequisite courses must be satisfied with a grade of C- or above. Students with lower grades in prerequisite courses must receive special permission of the instructor to enroll in subsequent courses.

Prerequisites to the Program

CHEM courses through 215, 216, 241/242, and 260 or 370; PHYSICS [135/136 or 140/141] and [235/236 or 240/241]; and MATH 115, 116, 215, 216, or an equivalent sequence are required. Prerequisites must be taken for a grade.

PHYSICS 240 or 235 and MATH 215 are prerequisites for CHEM 461 and students should, wherever possible, complete both of these before the junior year.

Course Requirements for the B.S. Chem. Degree

CHEM 302 or 303, 402, 447, 461, 462, 463, 480, 482, 483 and four credits of CHEM 399 taken over at least two terms, as well as one advanced lecture course in chemistry.

Honors Plan in Chemistry

The B.S. Chem. degree is the basis of the Honors degree in Chemistry. Maintenance of a satisfactory GPA (3.4) in the required courses for the degree program, including prerequisites, and satisfactory completion of an Honors thesis (CHEM 499) based on the research done in CHEM 399 are required for Honors.

Concurrent Undergraduate Degrees (B.S.Chem./BSE in Chemical Engineering)

There is a five-year joint degree program with the College of Engineering which leads to a B.S. Chem. and a Bachelor of Science in Engineering (Chemical Engineering).

Minors

Students in the College may elect one or more of the minors offered by units within the College. Electing to earn a minor is optional, and there is no limit on the number of minors a student may elect. Students who declare and complete an approved minor will receive a notation on their student transcript but not on their diploma.

- A minor must require no less than 15 credits of course work, show structure and coherence, and contain some upper-level courses.
- At least 10 out of the 15 credits must be taken in-residence.

Policies for Minors

1. Each A.B. or B.S. student who wishes to complete an approved minor must develop a plan for the minor in consultation with a department or program advisor, who must also approve it.
2. After developing a plan for its minor with the student, the program or department advisor has the minor entered on the student’s record.
3. The minor is not an option available to students earning the B.G.S. degree.
4. An individually designed minor is not allowed.
5. Students may not elect courses included in a minor by the Pass/Fail grading option.
6. A department or program may include Experiential or Directed Reading/Independent Study courses that are graded on a Credit/No Credit basis in a minor, but all other courses in the minor must be taken for a grade.
7. No course may be used to satisfy the requirements of more than one minor.
8. No course may be shared between the requirements of two minors, or between a minor and an undergraduate certificate.
9. A maximum of one course may be shared between the requirements of a minor and a major.
10. If the minor has prerequisites, courses used as prerequisites to a major may also count as prerequisites to the minor.
11. Advanced Placement credits may not be used to meet the requirements of a minor, but may be used to meet prerequisites.
12. Courses elected to meet the requirements of a minor also may be part of the student’s area distribution plan.
13. A student must earn an overall GPA of at least 2.0 in the minor, including any departmental prerequisites necessary for the completion of the minor.
14. Courses that are part of a student’s minor may also meet the Language Requirement, the Upper-Level Writing Requirement, the Race & Ethnicity Requirement, or the Quantitative Reasoning Requirement.
15. Students may not add, complete, or declare a minor after graduation.

Minors

Minors, along with their requirements and other pertinent information, are described in detail on the LSA website. Consult the individual department listing (as shown in parentheses) for a description of the minor.

- Afroamerican and African Studies (Afroamerican and African Studies)
- American Culture (American Culture)
- Anthropology (Anthropology)
- Applied Statistics (Statistics)
- Arab and Muslim American Studies (American Culture)
- Asian Languages and Cultures (Asian Languages and Cultures)
- Asian Studies (Asian Languages and Cultures)
- Asian/Pacific Islander American Studies (American Culture)
- Astronomy and Astrophysics (Astronomy)
- Astronomy, Interdisciplinary American Studies (American Culture)
- Biochemistry (Chemistry)
- Biological Anthropology (Anthropology)
- Biology (Program in Biology)
- Biophysics (Program in Biophysics)
- Bosnian/Croatian/Serbian Literature and Culture (Slavic Languages and Literatures)
- Central Eurasian Studies (Center for Russian, East European, and Eurasian Studies)
- Chemical Measurement Science (Chemistry)
- Chemical Physics (Chemistry)
- Chemistry (Chemistry)
- Classical Archaeology (Classical Studies)
- Classical Civilization (Classical Studies)
- Complex Systems (Center for the Study of Complex Systems)
- Creative Writing (English Language and Literature)
Crime and Justice (Residential College)
Czech Language, Literature, and Culture (Slavic Languages and Literatures)
Digital Studies (American Culture)
Drama: Text-to-Performance (Residential College)
Early Christian Studies (Near Eastern Studies and Classical Studies)
Earth Sciences (Earth and Environmental Sciences)
East European Studies (Center for Russian, East European, and Eurasian Studies)
Eastern Europe, Cultures & Literatures of (Slavic Languages and Literatures)
Ecology and Evolutionary Biology (Ecology and Evolutionary Biology)
Economics (Economics)
Environment (Program in the Environment)
Environmental Geology (Earth and Environmental Sciences)
Epistemology and Philosophy of Science (Philosophy)
Food and the Environment (Program in the Environment)
French and Francophone Studies (Romance Languages and Literatures)
Gender and Health (Women’s Studies Program)
Gender, Race, and Nation (Women’s Studies Program)
General Philosophy (Philosophy)
Geology (Earth and Environmental Sciences)
German Studies (Germanic Languages and Literatures)
Global History (History)
Global Media Studies (Screen Arts and Cultures)
Greek (Ancient) Language and Literature (Classical Studies)
Greek (Modern) Language and Culture (Classical Studies)
History (History)
History of Art (History of Art)
History of Law and Policy (History)
History of Medicine and Health (History)
History of Philosophy (Philosophy)
Intergroup Relations Education (Program on Intergroup Relations)
International Studies (Program in International and Comparative Studies)
Islamic Studies (Center for Middle Eastern and North African Studies)
Italian (Romance Languages and Literatures)
Judaic Studies (Frankel Center for Judaic Studies)
Latin American and Caribbean Studies (Center for Latin American and Caribbean Studies)
Latin Language and Literature (Classical Studies)
Latina/o Studies (American Culture)
Law, Justice, and Social Change (Sociology)
Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ) and Sexuality Studies (Women’s Studies Program)
Linguistics (Linguistics)
Mathematics (Mathematics)
Medical Anthropology (Anthropology)
Medieval and Early Modern Studies (Medieval and Early Modern Studies)
Mind and Meaning (Philosophy)
Modern European Studies (Center for European Studies)
Modern Middle Eastern and North African Studies (Center for Middle Eastern and North African Studies)
Moral and Political Philosophy (Philosophy)
Museum Studies (Museum Studies)
Native American Studies (American Culture)
Near Eastern Languages and Cultures (Near Eastern Studies)
Oceanography (Earth and Environmental Sciences)
Paleontology (Earth and Environmental Sciences)
Peace and Social Justice (Residential College)
Physics (Physics)
Plant Biology (Program in Biology)
Polish Language, Literature, and Culture (Slavic Languages and Literatures)
Political Science (Political Science)
Polymer Chemistry (Chemistry)
Portuguese (Romance Languages and Literatures)
Religion (History)

Russian Language, Literature, and Culture (Slavic Languages and Literatures)
Russian Studies (Center for Russian, East European, and Eurasian Studies)
Scandinavian Studies (Germanic Languages and Literatures)
Science, Technology, and Society (Residential College)
Spanish Language, Literature, and Culture (Romance Languages and Literatures)
Statistics (Statistics)
Sustainability (Program in the Environment)
Translation Studies (Comparative Literature)
Ukrainian Language, Literature, and Culture (Slavic Languages and Literatures)
Urban Studies (Residential College)
Writing (Sweetland Center for Writing)
Yiddish Studies (Frankel Center for Judaic Studies)

Minors offered by other Schools and Colleges open to LSA students
Art and Design (Stamps School of Art & Design)
Business (Ross School of Business)
Community Action and Social Change (School of Social Work)
Computer Science (Electrical Engineering and Computer Science)
Design and Production (Theatre and Drama)
Electrical Engineering (Electrical Engineering and Computer Science)
Entrepreneurship (Innovate Blue)
Global Theatre and Ethnic Studies (Theatre and Drama)
Multidisciplinary Design (Multidisciplinary Design Program)
Music (University of Michigan School of Music, Theatre & Dance)
Performing Arts Management (Theatre and Drama)

Supplemental Studies
The College does not sanction supplemental studies offered by LSA departments. On the other hand, the College will consider supplemental studies offered by non-LSA departments or programs. Undergraduate supplemental studies can provide opportunities for LSA students to develop additional experience and skills to complement their major(s) or minor(s).

A supplemental studies must require no less than 9 credits of course work, show structure and coherence, and contain some upper-level courses.

Each A.B., B.S., or B.G.S. student may complete one or more supplemental studies programs approved by the College. Electing to earn a supplemental studies is optional, and there is no limit on the number of supplemental studies a student may elect. Students who declare and complete an approved supplemental studies will receive a notation on their student transcript but not on their diploma.

Policies for Supplemental Studies
1. Each A.B., B.S., or B.G.S. student may complete one or more supplemental studies program.
2. Each student who wishes to complete an supplemental studies program must develop a plan in consultation with a program advisor.
3. After developing a plan with the student, the program or department advisor has the supplemental studies program entered on the student’s record.
4. An individually designed supplemental studies program is not allowed.
5. Students may not elect courses included in a supplemental studies program using the Pass/Fail grading option.
6. A department or program may include Experiential or Directed Reading/Independent Study courses that are graded on a Credit / No Credit (C/NC) basis in a supplemental studies program, but all other courses in the supplemental studies program must be taken for a grade.
7. No course may be shared between the requirements of two supplemental studies program, between a major and a supplemental studies program, or between a minor and a supplemental studies program.

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8. One course may be shared between the B.G.S. upper level credits requirement and a supplemental studies program.
9. Advanced Placement credits may not be used to meet the requirements of a supplemental studies program.
10. A student must earn an overall GPA of at least 2.0 in the required courses in the supplemental studies program.
11. Courses elected to meet the requirements of a supplemental studies program also may be part of the student's area distribution plan.
12. Courses that are part of a supplemental studies program may also meet the Language Requirement, the Upper-Level Writing Requirement, the Race & Ethnicity Requirement, or the Quantitative Reasoning Requirement.
13. Students may not complete a supplemental studies program after graduation, and a supplemental studies program may not be converted to a minor after graduation.

**List of Supplemental Studies**
Supplemental studies, along with their requirements and other pertinent information, are described in detail on the LSA website. Consult the individual department listing (as shown in parentheses) for a description of the Supplemental Studies Program.
- Entrepreneurship (Innovate Blue)
- Sustainability (Graham Environmental Sustainability Institute)
Special Degrees

Several special degree programs are offered by the joint cooperation of LSA and other colleges or schools within the University. Admission to some of these programs is highly competitive. Because many of these programs require specific courses for admission, it is important for students to identify program interests early in their undergraduate careers. Although the basic requirements are summarized in this chapter, students should consult academic advisors associated with the various programs.

Joint Undergraduate Degree Programs

Architecture (Joint Program in Liberal Arts and B.S. in Architecture)

Students enrolled in the College of Literature, Science, and the Arts wishing to consider joint degree programs, in which the B.S. degree is awarded by the Taubman College of Architecture + Urban Planning and a second degree is awarded by the College of Literature, Science, and the Arts, are advised to contact the pre-architecture advisor in the Taubman College and the department advisor in LSA. (This program is distinct from the Pre-Professional Program in Architecture described later in this chapter.)

Art & Design (Joint Degree Program in Liberal Arts and Art & Design)

The Penny W. Stamps School of Art & Design offers dual admission to entering students who wish to pursue two degree programs. Dual admission allows students the freedom and ease to explore the educational opportunities of more than one discipline beginning in their first year of enrollment.

Program

The Stamps School of Art & Design offers a Bachelor of Arts in Art & Design, a Bachelor of Fine Arts in Art & Design, and a Bachelor of Fine Arts in Interarts Performance.

The LSA/Stamps joint degree programs are intended for students whose educational goals include earning undergraduate degrees from both the Stamps School of Art & Design and LSA. Students must meet all the requirements of both degree programs. Of the minimum 150 credits elected to satisfy the dual degree program, at least 100 credits must be LSA courses.

Students interested in these degree programs may seek concurrent admission, as freshmen, to both units or they may apply to the Multiple Dependent Degree Program (MDDP) after enrolling.

Bachelor of Arts in Art & Design

The B.A. in Art & Design is the appropriate degree for students who want a rigorous education in art and design with the flexibility of a liberal arts education. Students who are interested in pursuing a substantive portion of their education through academic studies, athletes, pre-health, and pre-law students are excellent candidates for a B.A.

Bachelor of Fine Arts in Art & Design

The BFA in Art & Design prepares graduates for a broad range of eventualities, integrates art and design methodologies, interweaves traditional techniques with contemporary technologies, bridges the personal to the social, and engages the rich resources of the University and the community.

Bachelor of Arts in Interarts Performance

The interdisciplinary BFA in Interarts Performance will be attractive to students who have interests in both the visual arts and theater as well as a desire to create original performance pieces.

For more information about the LSA/Stamps joint degree programs, contact the Stamps School of Art & Design, (734) 936-0671 or email: a&d@umich.edu.

Engineering (Joint Program in Liberal Arts and B.S. in Engineering)

This program is designed to enable students to develop a course of study that offers broader academic opportunities than those offered by either college. The program is intended for students who wish to develop a depth of understanding in the technical studies associated with the College of Engineering and in the physical and natural sciences, humanities, and social sciences in the College of Literature, Science, and the Arts. This integration of technical studies with the liberal arts is the primary strength of the program. It is open to students enrolled in Engineering or LSA and leads to concurrent bachelor’s degrees from both colleges. It is intended primarily for students who enroll as first-year students in one of the two colleges.

The variety of courses that students may elect in the joint program makes it impractical to list specific requirements. Instead, each student should consult faculty members and academic advisors in each college to develop the best plan of study. Primary responsibility for planning the academic program and continuing contact with academic advisors in the two fields is assumed by the student, who also is responsible for becoming familiar with the academic policies and procedures of both colleges and the academic requirements and courses in both fields of the major as described in the Bulletins of the two colleges.

It is usually possible for students carrying 16 credits a term to meet all requirements in 10 or 11 terms.

Administrative Regulations

1. Students may initially enroll either in the College of Engineering or the College of Literature, Science, and the Arts.
2. To be qualified for admission to the joint degree program, students are usually expected to have completed 30 credits of courses with an overall grade point average of at least 2.7. Entry of LSA students to some programs in Engineering may require a substantially higher grade point average.
3. Students considering this program should discuss their plans with the program advisor associated with the college in which they are enrolled. Usually this contact should be made early in the sophomore year.
4. Students must complete an application form indicating their program in each college. Applications are available from:
   • Newnan LSA Academic Advising Center, 1255 Angell Hall, (734) 764-0332, or
   • CoE Registrar’s Office, College of Engineering, 145A Chrysler Center, (734) 647-7117.
5. Once admitted to the program, each student continues to register in the college of initial enrollment. That college maintains the primary academic record.
6. Students must consult the academic advisor for each major and secure approval for their class schedule according to the academic policies and procedures of each college.
7. Students must maintain good academic standing in both colleges to continue in the joint degree program.
8. Students in good academic standing who wish to withdraw from the program may complete a degree in the college in which they originally enrolled. Students not in good academic standing are subject to the academic discipline policies of that college.
9. Upon completion of the requirements of both colleges, students are granted concurrent degrees. By the beginning of the term in which graduation is anticipated, a Diploma Application must be filed with each college, and the department advisor for each major
Joint Degree Program Structure
Candidates for the combined Bachelor of Science in Engineering (B.S.E.) and liberal arts degree (A.B., B.S., or B.G.S.) must:
1. complete one of the degree programs in the College of Engineering,
2. complete a minimum of 90 credits of LSA courses,
3. have a cumulative grade point average of at least 2.0.

In addition, candidates for the joint Bachelor of Science in Engineering (B.S.E.) and Bachelor of Arts (A.B.) degree must complete the LSA degree requirements as follows:
- LSA First-Year Writing requirement, the Upper-Level Writing requirement, the Race & Ethnicity requirement, the Quantitative Reasoning requirement, the language requirement, an approved area distribution plan, and an approved LSA major.
- Candidates for the joint Bachelor of Science in Engineering (B.S.E.) and Bachelor in General Studies (B.G.S.) degree must complete the LSA First-Year Writing requirement, the Upper-Level Writing requirement, the Race & Ethnicity requirement, the Quantitative Reasoning requirement, and a minimum 40 credits of LSA courses 300-level or above with a GPA of at least 2.0. No more than 15 of these credits may be elected from any one subject.

Music (Joint Degree Program in Liberal Arts & Music)
The LSA/Music joint degree programs are intended for students who seek the academic studies associated with the College of LSA in combination with the professional training in performance-based or academic music studies associated with the School of Music, Theatre & Dance (MT&D). Students interested in these degree programs typically seek concurrent admission, as freshmen, to both units, and, if successful, their programs of study will lead to bachelor’s degrees from both. At least 150 credits are required to earn these joint degrees, and 100 of these must count as LSA credits. It is impractical to list specific requirements because of the variety of courses that may be elected by students, but it is usually possible for students electing 16-18 credits per term to meet all requirements in 11 to 12 terms.

For more information about the LSA/Music joint degree programs, contact the School of Music, Theatre & Dance Admissions Office at (734) 764-0593 or www.music.umich.edu/departments/dual_degrees.htm

Individualized Joint Degree Programs
A student may be interested in a joint degree program with another school or college even if a joint degree program has not been officially established by the College. Such joint degree programs are planned through the Academic Standards Board. At least 150 credits are required for an individualized joint degree, including at least 100 credits of LSA courses.

A minimum of 30 credits must have been completed on the Ann Arbor campus before a student may apply for an individualized joint degree program, and the cumulative grade point average for work completed on the Ann Arbor campus must be 3.0 or better. Any exception to these requirements must be approved by the Academic Standards Board.

Students who have been admitted to the BBA program in the Stephen M. Ross School of Business may discuss an individualized joint degree program with the Stephen M. Ross School of Business.

Joint Undergraduate-Graduate Degree Programs

Architecture (Joint Program in Liberal Arts and M.Arch. in Architecture)
Students enrolled in the College of Literature, Science, and the Arts wishing to consider joint degree programs, in which the M.Arch. degree is awarded by the Taubman College of Architecture + Urban Planning and a second degree is awarded by the College of Literature, Science, and the Arts, are advised to contact the pre-architecture advisor in the Taubman College and the department advisor in LSA.

The Concurrent Undergraduate-Graduate Studies (CUGS) Program
The Concurrent Undergraduate-Graduate Studies (CUGS) Program enables a few students each year to enroll simultaneously in LSA and the Rackham Graduate School and to apply a maximum of 15 credits toward both an undergraduate degree and a graduate degree. To be considered, a student must have earned at least 90 credits toward an undergraduate degree, have satisfied the distribution requirements, and must have an overall grade point average of at least 3.7. Admission to CUGS is limited and depends heavily on the student having exhausted the undergraduate resources of his or her department so that graduate study is the appropriate and logical next step in the student’s program. The admissions process begins with encouragement from the graduate admissions committee of the department in which the student wishes to do graduate work. The student must then receive the recommendation of the chair of the undergraduate department / program, as well as the Assistant Dean for Undergraduate Education (Office of Student Academic Affairs) for regular LSA students, or one of the Directors of the Honors Program for Honors students, or the Director (Director’s representative) in the Residential College for RC students. An admission application is completed and submitted to the Graduate School for approval of both the graduate admission committee and Rackham Associate Dean of Admissions.

Engineering (Bachelor of Science in Cell and Molecular Biology and Master of Science in Biomedical Engineering)
The Department of Molecular, Cellular, and Developmental Biology in the College of LSA and the Department of Biomedical Engineering in the College of Engineering administer a five-year program awarding a concurrent BS degree in Cell and Molecular Biology from the College of LSA and an MS in Biomedical Engineering from the Rackham Graduate School upon completion of all program requirements. A student will apply to both the Molecular, Cellular, and Developmental Biology and Biomedical Engineering Departments for entrance. A student will be admitted into the program only after completing the first year of the prerequisites for the major (BIOLOGY 172, CHEM 210/211, PHYSICS 135/136 or 140/141, MATH 115 and 116) with a GPA of 3.2 or higher.

Upon acceptance into the program, each student will be assigned two advisors, one in MCB and one in Biomedical Engineering. Student course selections must be approved by both advisors each term.

A student is typically admitted into the MS phase at the end of the third year when the student achieves senior standing. The student must have completed all prerequisites for the major and be judged by both academic advisors as making adequate progress toward the B.S. At this time, the student must formally apply to the Rackham Graduate School for the MS program in Biomedical Engineering. All students with a 3.2 GPA or higher in the BS major phase will automatically be admitted into the MS phase. Other CMB students who have reached senior standing with a 3.2 GPA or higher and have fulfilled all prerequisites for the major, but did not previously apply or were not admitted in the BS phase, can also apply for admittance into the MS phase. Students with senior standing will have two years to mix undergraduate and graduate courses, simultaneously fulfilling requirements for both the BS and MS degrees. Students will be charged graduate tuition for only one academic year.

Information (Bachelor of Arts / Bachelor of Science in Linguistics and Master of Science in Information)
The School of Information offers an accelerated program for exceptional undergraduates at the University of Michigan. The program enables students in the Department of Linguistics to complete both a bachelor’s degree and the two-year Master of Science in Information (MSI) degree in five years of study. The School of Information will select candidates for this program during their junior year. The A.B./B.S. degree is normally awarded at the end of the senior year (the first year of study in the School of Information) and the MSI degree after completion of its requirements (normally after a second year of graduate study).

In addition, applicants for the joint degree program must show an academic record that is consistent with the demands of completing six years of course work in five years. This means that accelerated degree
applicants must be at or above the norm for the regular entering class at the School of Information, in terms of maturity, GPA, and GRE scores.

Further information can be found under the departmental program statement of Linguistics, or by visiting the School of Information or SI's website: www.si.umich.edu. Interested undergraduates should begin consultation in the sophomore year at the time they declare their Linguistics major. A separate application to the School of Information is made in the fall academic term of the junior year and is reviewed as part of the regular admission process by the School of Information. Applicants will be notified of the School of Information's decision before the registration deadline in the winter academic term.

Students must satisfy the normal requirements for both the Bachelors and the MSI programs; but any course they take that satisfies a requirement for the Bachelors and also satisfies a requirement for the MSI can be used to satisfy both requirements simultaneously. By taking 24 credits of courses that are "double-counted" in this fashion, it is possible to eliminate a year from the normal course of study. In particular, several designated courses taught in the School of Information and the Department of Linguistics satisfy requirements for both degrees. See the official list of courses for details.

To qualify for admission to the School of Information under the Accelerated Program, students need to show that, given the double counting provision, they will be able to complete the LSA and Linguistics requirements for the Bachelors by the end of the fourth year, while also completing the usual first-year coursework for the MSI.

Public Health (Bachelor’s Degree and Master of Public Health)

Eligibility: Students should be advanced enough to complete their major as well as all general college requirements by the end of their junior year. Minimum eligibility requirements are:

- Must have completed a minimum of 100 credits by the end of their junior year, thus enabling them to graduate in the fall term of their senior year.
- Must have a 3.5 GPA at the time of application.

Admission Process

Students who show enough progress toward completing their undergraduate degree are eligible to apply to the graduate program in the second term of their junior year. Students must first get a recommendation letter of support to the program from:

- LSA students – from the Assistant Dean for Undergraduate Education (Office of Student Academic Affairs)
  - Dean’s Recommendation/Certification Form from their advisor
- LSA Honors students – from the Director of the Honors Program
- RC students – from the Director of the Residential College

This recommendation should be sent directly to the Admissions Officer at the School of Public Health. The student will complete all required admissions materials for the School of Public Health (application, statement of purpose, letters of recommendation, GRE or MCAT scores) and will apply through the normal school-wide mechanism. He/she should also submit an Election Form and plan for completing the undergraduate requirements and enrolling in the initial set of required graduate courses in the first term of his/her senior year.

Admitted 4+1 students will matriculate into the School of Public Health at the beginning of the Winter term of their senior year.

Academic Advising

Once admitted to the SPH graduate program, the student will be assigned a faculty advisor from that department. LSA Academic Advising, however, will retain primary responsibility for academic advising until the student has completed the undergraduate degree.

Credits

Undergraduates who have been admitted to the SUGS program will be given permission by the graduate program to enroll in the required graduate coursework. Students, however, must be registered a minimum of two terms of the masters program in the graduate career only, with no other U-M registration. No dual enrollment is required. Approved graduate credits taken in the final undergraduate term – typically the Fall of their senior year – will be double counted in the graduate program upon matriculation.

Note: Students can double-count up to 15 credits from their undergraduate coursework towards their graduate coursework if the credits are 400 or higher level.

Participating departments and degree programs

Health Behavior and Health Education MPH, Epidemiology MPH, and Environmental Health Sciences MPH

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