First Course in the Major

Note: In most areas the major and Educ 114 must be started in the first semester for a student to obtain teaching licensure in 4 years.

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| **Major Area** | **First Course** | **Frequency of Offering** | **Can start major in sophomore year and finish in 4 years?/ Other Comments** | **Other Courses Open to Freshman** |
| Accounting | Acct 201 | Fall and Spring | Yes. | Econ 100, Magt 131 |
| Actuarial Science | Math 151, Math 152 or Math 251, whichever one the student is ready for | Fall and Spring for all three courses | Students should have at least Math 151 (Calc I, fall and spring) and Math 152 (Calc II, spring) finished by the end of the first year to avoid heavy loads later. Math 251 (Calc III, fall) is required for many courses in the major. If student is waiting to get into Calc II in the spring, they  should take Math 208 in fall. Students are encouraged to take Econ 100 in their first semester as well. | CmSc 150 Intro to Computing Econ 100 Intro to Economics  Math 205 Financial Math (Calc I prereq, Spring)  Math 208 Intro to Data Modeling  Math 251 (fall only)  Math 255 Linear Algebra (fall only) |
| Biochemistry | Chem 101  Biol 110 | Fall only | Students should strongly consider taking Math 151. \*\*\*If a student is Pre-Med, though Biol 110 is not required for BioChem major, they need to take it for preparation for grad school and the MCATS. | Chem 102 (Spring only)  Biol 110 if pre-med (Fall only) Phys 151/152 or 191/192 Math 151/152 (spring only) |
| Biology | Biol 110 and Chem 101  (Recommendation is to take both Bio and Chem if comprehensive ACT is 25 or higher. Know that students who have a 22 in Math and in Science generally do well in this course. If scores are  below this, please speak with department.) | Fall only | Yes, but the student would be faced with a very heavy load of science courses for 3 years. | Biol 111 (Spring only) Chem 102 (Spring only) Phys 151/152 or 191/192 Math 108 or 130/131 or 151/152 (spring only) |
| Chemistry | Chem 101  (Students with a 22 in Math and a 22 in Science on the ACT generally are ready for this course. If lower than 22, student may benefit from MATH 130 prior to taking Chem  101.) | Fall only | Yes, but the student would be faced with a very heavy load of science courses for 3 years. Math 151 is recommended strongly. | Chem 102 (Spring only) Math 151/152 (spring only)  Phys 191/192  (or Phys 151/152) Biol 110 (Fall only) |
| Computer Information Systems | CmSc 150, CIS 120,  Magt 131 | Every semester | Yes. | MIS 145 |
| Computer Science | CmSc 150 | Every fall; maybe spring | Yes. | CmSc 175  Math 151 |
| Criminal Justice | CJ 101 | Fall and Spring | Yes, Soc 101 or HSV 101 are not required for the major but are good introduction to the department | CJ 224 Police and Society |
| **Major Area** | **First Course** | **Frequency of Offering** | **Can start major in sophomore year and finish in 4 years?/ Other Comments** | **Other Courses Open to Freshman** |
| Data Science | Math 151, Math 152 or Math 251, whichever one the student is ready for | Fall and Spring for all three courses | Students should have at least Math 151 (Calc I, fall and spring) and Math 152 (Calc II, spring) finished by the end of the first year to avoid heavy loads later. Math 251 (Calc III, fall) is required for some courses in the major. If student is waiting to get into Calc II in the spring, they  should take Math 208 in fall. Students are encouraged to take CmSc 150 in their first semester as well. | CmSc 150 Intro to Computing  Math 251 (fall only)  Math 208 Intro to Data Modeling Math 255 Linear Algebra (fall only) |

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| Economics & Economics-Finance | Econ 100 | Fall and Spring | Yes | Math 108 or 130 or 151 or Math 152 (spring only) or Math 251 (fall only)  Magt 131 |
| Elementary Education | Educ 114 and Educ 115 | Every semester | It would be very difficult to finish in four years. Elementary Education  students have almost no electives. Consult with the department chair or advising sheet for Simpson Core course to select. | Only Educ 114 and Educ 115.  Math 116 (if pre-reqs met/required for major) |
| Education Studies with Teaching and Learning Concentration , | Educ 114 and first course in major area | Educ 114 is offered every semester | Licensure in 4 years is possible when Educ 114 is taken the second year as long as the student begins the major area the first semester of school | Educ 115 (may be taken the same semester as Educ 114) |
| Education Studies with Culture, Context, and Policy Concentration, , | Educ 114 and first course in major area, | Educ 114 is offered every semester. | Yes. | Educ 115 (may be taken the same semester as Educ 114) |
| English | Eng 209, 212, or 222 | Fall only | Yes. | Eng 190 or 203 |
| Environmental Science | Biol 110  Biol 103 | Fall only Spring only | Yes, but the student would need to plan a schedule that ensures the required science courses and one designated Social, Ethical, Policy, or Historical elective course for major can be taken in remaining 3 years. | Biol 240, Chem 101, Hist 261 |
| Forensic Science | Chem 101 | Fall only | Yes, if they have taken Chem 101 and 102 in their first year. \*\*\*If a student plans on going to graduate school with this major they should  take Math 151 & 152 then take Phys 151 and 152. Students need to take Biol 111 in the spring of their first year. | Phys 151/152 and Math 151/152 (spring only) can be taken in the Sophomore year.  Biol 110/111 CJ-101 |
| Global Management | Econ 100 and Magt 131 | Fall and Spring | Yes/The student should start the foreign language requirement and try to get CLEP credit for language during the First Year. | Econ 100 |
| Graphic Design | GDSN 136, COMM 101,  GDSN 237, GDSN 248  GDSN 248, MATH 105 | Fall |  | Comm 101 or CMSC 150 |
| Health and Exercise Science | Any of following: Take EITHER SPSC 107 or  120; May also take SpSc 110, Biol 110 (pre-  health track) or Biol 104 (non-pre-health) | Fall only for Biol 104 and 110; All others offered fall & spring | Yes | SPSC 110 |
| Health Services Leadership | HSLD 110 | Fall and Spring | Yes, in consultation with HSLD program director. Best if started before sophomore year for pre-requisite purposes. | HSLD 111 (Spring), ECON 100 (Fall/Spring)  HSLD 310 (May term), Phil 235 |
| **Major Area** | **First Course** | **Frequency of Offering** | **Can start major in sophomore year and finish in 4 years?/ Other Comments** | **Other Courses Open to Freshman** |
| History | Strongly recommend Hist 121, 155, 170, 190. | HIST 121 every fall; others on rotation | Yes. | HIST 261 or 275 for strong potential history majors |
| Human Services | HSV 101 | In fall only. | Yes | Electives for the major: Soc 101, Soc 204 |
| Interactive Media | CIS 120, COMM 101,  GDSN 136 | CIS 120-Every fall; Comm 101, every sem. | Yes. | CMSC 150 |
| International Relations | PoSc 101 suggested but not required | Every semester | First course can be taken in Sophomore Year. The student should start the foreign language requirement or try to get CLEP credit for language during the First Year. | PoSc 240 |
| Marketing Communication | Magt 131 or Comm 223 | Every semester | Yes | Comm 211 |

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| Multimedia Journalism | Comm 101 | Every semester | Yes | Comm 102  (Comm 211 for students with high Engl. ACT scores.) |
| Management | Econ 100 and Magt 131 | Fall and Spring | Yes | Econ 100, CIS 145 |
| Management Information Systems | MIS 145 | Every semester. | Yes | CIS 120, Magt 131, CMSC 150 |
| Mathematics | Math 151, Math 152 or Math 251, whichever one the student is ready for | Fall and Spring for all three courses | Students should have at least Math 151 (Calc I, fall and spring) and Math 152 (Calc II, spring) finished by the end of the first year to avoid heavy loads later. Math 251 (Calc III, fall) is required for some courses in the major. Students waiting to get into Calc II in the spring should  consider Math 255, based on consultation with a math professor. CmSc 150 is another course required in the major. | CmSc 150 Intro to Computing  Math 251 (fall only)  Math 265 Intro to Advanced Math (Spring only)  Math 255 Linear Algebra (fall only) |
| Music (B.A.) | Mus 001 (0 cred)  Mus 101 (2 cred)  Mus 151 & 153 (4 cred) Mus 214[B,C or O] (1  cred)  Inst majors: Mus 270[xx]-AA (2 creds) Vocal majors: Mus 270VO-ZZ (2 creds)  All majors (except piano majors): Mus 270PN-Z (1 cred)  *Total: 12 credits* | Mus 101, 151, &  153 are fall only.  Student must be continuously enrolled in the other courses which are offered each semester. | Yes, major requirements can be completed in 3 years. Mus 270 courses are overload exempt.  The second semester is 2 credits lighter than the first. | See John Benoit |
| **Major Area** | **First Course** | **Frequency of Offering** | **Can start major in sophomore year and finish in 4 years?/ Other Comments** | **Other Courses Open to Freshman** |
| Music Education (B.M.) | Mus 001 (0 cred)  Mus 101 (2 cred)  Mus 151 & 153 (4 cred) Mus 214[B,C or O] (1  cred)  Inst majors: Mus 270[xx]-AA (2 creds) Vocal majors: Mus 270VO-ZZ (2 creds)  All majors (except piano majors): Mus 270PN-Z (1 cred)  Educ 114  *Total: 16 credits* | Mus 101, 151, &  153 are fall only.  Educ 114 is offered both fall and spring.  Student must be continuously enrolled in the other courses which are offered each semester. | No, full four years needed to complete major requirements. Mus 270 courses are overload exempt.  The second semester is 2 credits lighter than the first. | See John Benoit |
| Music Performance (B.M.) | Mus 001 (0 cred)  Mus 101 (2 cred)  Mus 151 & 153 (4 cred) Mus 214[B,C or O] (1  cred)  Inst majors: Mus 270[xx]-AA (2 creds) Vocal majors: Mus 270VO-ZZ (2 creds)  All majors (except piano majors): Mus 270PN-Z (1 cred)  *Total: 12 credits* | Mus 101, 151, &  153 are fall only.  Student must be continuously enrolled in the other courses which are offered each semester. | No, full four years needed to complete major requirements. Mus 270 courses are overload exempt.  The second semester is 2 credits lighter than the first. | See John Benoit |
| Neuroscience | Psyc 233, Biol 111 | Psyc 233 Every Fall Biol 111 Every Spring | Yes. | Chem 101 |
| Philosophy Applied Philosophy | Phil 102, 105, 109, 121  or Phil 122.  Either Phil 102 or 105,  109, 121, 122. |  | Yes |  |
| Physical Education Teacher Education | Educ 114 or Educ 115,  SpSc 115 (T2), Biol 104 | Educ 114 & 115 Every semester, Biol 104 fall only, SpSc 115 T2/T4 | Yes | Biol 104 Fall only  SpSc 110 Every Semester SpSc 116 – spring only SpSc 120 every semester |
| Physics | Math 151 or higher and Phys 191. Students not ready for calculus (Math 151) should take Math 130. | Fall only. | Yes, but students would have a heavy load of science courses. Physics students ready for Phys 191 should take it if at all possible freshman year. If course is full, seek an override which is normally granted to potential majors. Students taking Phys 191 should have a strong math  background in high school (4 years of math including precalculus) and should have completed or be taking Math 151 concurrently. | Phys 192 Chem 101/102 CmSc 150  Math 152 |

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| **Major Area** | **First Course** | **Frequency of Offering** | **Can start major in sophomore year and finish in 4 years?/ Other Comments** | **Other Courses Open to Freshman** |
| Political Science | PoSc 101 | Every semester | Yes | PoSc 225 Campaigns and Elections |
| Pre-Engineering | Math 151 or higher and Phys 191. If Chemical Engineering then take Math 151 and Chem 101. Students not ready for calculus (Math 151) should take Math 130. | Fall only except for Math 151 | Pre-Engineering is not a major at Simpson but is part of 3-2 or 4-2 programs w/other schools. A strong student will start with 2 of the courses listed. Math 151 and a second course (usually Phys 191) depending on the intended Simpson major. Physics (physics-  engineering for 3-2 students), Math, Computer Science or Chemistry are the most likely majors although any major is possible. | Phys 192 Chem 101/102 CmSc 150  Math 152 (spring only)  Math 251 (fall only) |
| Psychology | Psyc 101 | Every semester | Yes. | Psyc 110, 201, 202 (SP) 222 (SP), 224, 233, 237 (SP), 250 |
| Religion | Rel 102, or 120 | Every semester for 120 (102 fall only) | Yes | Rel 102, or 120 |
| Secondary Education Licensure | Educ 114 and first course in major area | Educ 114 is offered every semester | Licensure in 4 years is possible when Educ 114 is taken the second year as long as the student begins the major area the first semester of school | Educ 118 (may be taken the same semester as Educ 114) |
| Social Justice Studies | SJS 101 or Eng 236 | SJS 101 spring  Soc 250 every other spring | Yes | Depending on concentration area:  Span 105, Wmst 101, Biol 103, Nasc 102, Econ  100, Rel 120 |
| Sociology | Soc 101 | Every semester | Yes, SOC 204 is a good introduction to the department if Soc 101 is full | Soc 204 |

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| Spanish | Span 110 for students with no background in Spanish.  \*\* Spanish 111, 220,  221, 222, and 223 are options for students with prior experience in Spanish.  See comment column. | SPAN 111 is  offered every semester. One to two 200-level courses are offered every semester. | Yes, if beginning at the 220/221/222/223 level.  Students with background in Spanish should consult placement information sheet available during orientation for self-placement.  We recommend you take a look at Spanish major requirements to plan accordingly: [https://simpson.edu/sites/default/files/2020-](https://simpson.edu/sites/default/files/2020-04/Spanish%20major%202020%2021.pdf) [04/Spanish%20major%202020%2021.pdf](https://simpson.edu/sites/default/files/2020-04/Spanish%20major%202020%2021.pdf)  Note: Students with advanced skills, dual credit or AP credit should register for a 200-level.  All elective courses at the 300 level require 220, 221, 222, or 223 as a pre-requisite.  Students interested in taking the CLEP test to receive credit for their language skills must do so before the end of their first semester of language study at Simpson. | \*\* Portuguese (PORT 105): No pre-requisites or prior language instruction needed. 2-credit course, taught every 2 years.  Start with appropriate language skills course: SPAN 110, 111, or 200-level in the fall semesters.  SPAN 110, 111, or 200-level in the spring semester. |
| Sports Administration | SpSc 216 and Acct 201  or Comm 223 | Spsc 216 – Fall | Yes, Take SpSc 253 in Spring Semester | SpSc 253 (in spring), SpSc 273 (in spring), Acct 201 or Comm 223 |
| Sports Communication | Comm 101 | Every semester | Yes. | SPSC 253 Spring |
| Theatre Arts | Thtr 101  Thtr 001 | Fall and Spring | Yes, but best if taken before Sophomore Year for prerequisite purposes. Thtr 001 is the zero credit participation requirement for majors. | Thtr 121, 123\*, 130\*\*  \* 123 is offered in the spring  \*\*130 is offered in the fall and spring this year |
| UNDECIDED | Simpson Core courses |  | Students have until they have completed 50 credits before they have to declare a major. Remember- 4 courses is a full semester load. | Suggested courses:  Math 108 or 130, any 100 level HIST course, REL 102. |