

SAMPLE PRE-MED LIBERAL STUDIES PLAN OF STUDY

In addition to completing the GEP, Liberal Studies Core, and basic courses that constitute the focus, students must complete a minor in biology, chemistry, or psychology, or complete a double minor in biology and chemistry to be competitive for the MCAT exam. Individual Medical Schools may have additional entrance requirements. Please research these graduate school expectations when designing your focus.

1. Required GEP Courses and Tech Fluency Course (44 credits)

2. LBST Liberal Core (21 credits)

3. Required Courses for Pre-Med (19-31 credits)

CHEM 201/202 Gen Chem I & 2 (LBST Liberal Core)

CHEM 301/302 Organic Chem

BIOL 149 Gen Biol I (GEP Natural Sciences)

BIOL 321/322 Anatomy & Physiology I

BIOL 304 Microbiology

PHYS 215/216 Gen Physics I & II (GEP Natural Sciences)

MATH 119/120 College Algebra/Pre-Calculus (GEP Basic Requirements)

4. Biology Minor (Refer to your Undergraduate Catalog) (recommended courses)

BIOL 149/150 Gen Biol I & II

BIOL 321/322 Anatomy & Physiology I & II

BIOL 304 Microbiology

BIOL 350/401 Genetics w/lab

5. Chemistry Minor (Refer to your Undergraduate Catalog) (recommended courses)

CHEM 456 Biochemistry Lab

CHEM 457 Biochemistry II

6. Psychology Minor (refer to your Undergraduate Catalog)

7. Capstone CHEM 455 Biochemistry I

Note: For this program, BIOL 149, CHEM 201 and Physics 215 are required GEP courses. If a student's Math Level is 3 or higher, the appropriate math course should be taken. If a student's Math Level is below a 2, additional DVMT courses will be required. CHEM 455, BIOL 321 and 304 are required as part of the Liberal Study Program so credits are not duplicated in the minor category. Student must also complete 39 hour of 300/400 level courses. It is the student's responsibility to select elective courses that will meet this requirement.

Pre-Med Liberal Studies Program

Course Sequence over 4 Years

First Year

| | | |
|---------------------------|-----------------------|----|
| Foundation/General Chem I | CHEM 201 and CHEM 202 | 8 |
| General Biology | BIOL 149/150 | 8 |
| College Algebra | MATH 119 | 3 |
| Freshman Composition | ENGL 101 | 3 |
| Intro to Higher Ed. | ORIE 101 | 1 |
| Communication Skill | CMST | 3 |
| Intro to Computer Science | COSC 100 | 3 |
| Total Hrs. | | 29 |

Second Year

| | | |
|------------------------|------------------|----|
| Organic Chemistry | CHEM 301 and 302 | 8 |
| Anatomy and Physiology | BIOL 321 and 322 | 8 |
| GEP and Liberal Core | | 15 |
| Total Hrs. | | 31 |

Third Year

| | | |
|----------------------|------------------|----|
| Biochemistry | CHEM 445 and 447 | 6 |
| Biochemistry Lab (S) | CHEM 446 | 3 |
| Genetics w lab(S) | BIOL 350/401 | 4 |
| General Physics | PHYS 215 and 216 | 8 |
| Advanced Writing | ENGL 338 or 339 | 3 |
| GEP and Liberal Core | | 6 |
| Total Hrs. | | 30 |

Senior Year

| | | |
|----------------------|--------------|----|
| Genetics w/lab | BIOL 350/401 | 4 |
| Microbiology | BIOL 304 | 4 |
| GEP and Liberal Core | | 22 |
| Total Hrs. | | 30 |

Total Number of Credits 120

Pre-Pharmacy Liberal Studies Program

In addition to completing the GEP, Liberal Studies Core, and basic courses that constitute the focus, students must complete a minor in biology, chemistry, or psychology, or complete a double minor in biology and chemistry to be competitive for Pharmacy School. Individual Pharmacy Schools may have additional entrance requirements. Please research these graduate school expectations when designing your focus.

1. Required GEP Courses and Tech Fluency Course (44 credits)

2. LBST Liberal Core (21 credits)

3. Required Courses for Pre-Pharmacy (20 - 44 credits)

CHEM 201/202 Gen Chem I & 2 (LBST Liberal Core)

CHEM 301/302 Organic Chem

BIOL 149 Gen Biol I (GEP Natural Sciences)

BIOL 321/322 Anatomy & Physiology I&II

BIOL 304 Microbiology

PHYS 215/216 Gen Physics I & II (GEP Natural Sciences)

ECON 201 Principles of Economics (GEP Social Sciences)

MATH 109 Statistics (GEP Basic requirements)

MATH 119/120/236 College Alg/Pre-Cal/Cal

4. Biology Minor (Refer to your Undergraduate Catalog)

(recommended courses)

BIOL 149/150 Gen Biol I & II

BIOL 321/322 Anatomy & Physiology I & II

BIOL 304 Microbiology

BIOL 350/401 Genetics w/lab

5. Chemistry Minor (Refer to your Undergraduate Catalog)

(recommended courses)

CHEM 456 Biochemistry Lab

CHEM 457 Biochemistry II

6. Psychology Minor (refer to your Undergraduate Catalog)

7. Capstone: CHEM 455 Biochemistry I

Note: For this program, BIOL 149, CHEM 201, Phys 215 and ECON 201 are required GEP courses. If a student's Math Level is above a 3, the appropriate math course should be taken. If student's Math Level is below a 2, additional DVMT courses will be required. CHEM 455, BIOL 321/322 and 304 are required as part of the Liberal Study Program so credits are not duplicated in the minor category. Student must also complete 39 hour of 300/400 level courses. It is the student's responsibility to select elective courses that will meet this requirement.

Pre-Pharmacy Liberal Studies Program with CHEM and BIOL Minors
Course Sequence over 4 Years

First Year

| | | |
|---------------------------|--------------|----|
| Foundation/Gen. Chem I | CHEM 201/202 | 8 |
| Gen. Biology | BIOL 149/150 | 8 |
| College Algebra | MATH 119 | 3 |
| Pre-Cal | MATH 120 | 3 |
| Freshman Composition | ENGL 101 | 3 |
| Intro to Higher Ed. | ORIE 101 | 1 |
| Intro. to Public Speaking | CMST 122 | 3 |
| | Total Hrs. | 29 |

Second Year

| | | |
|---------------------------|------------------|----|
| Organic Chemistry | CHEM 301 and 302 | 8 |
| Anatomy and Physiology | BIOL 321 and 322 | 8 |
| Calculus I | MATH 236 | 4 |
| Statistics | MATH 109 | 3 |
| Principles of Economics | ECON 201 | 3 |
| Intro to Computer Science | COSC 100 | 3 |
| | Total Hrs. | 29 |

Third Year

| | | |
|----------------------|------------------|----|
| Biochemistry | CHEM 445 and 447 | 6 |
| Biochemistry Lab (S) | CHEM 446 | 3 |
| General Physics | PHYS 215 and 216 | 8 |
| Advanced Writing | ENGL 338 or 339 | 3 |
| GEP and Liberal Core | | |
| 12 | | |
| | Total Hrs. | 32 |

Senior Year

| | | |
|----------------------|--------------|----|
| Genetics w/lab (S) | BIOL 350/401 | 4 |
| Microbiology | BIOL 304 | 4 |
| GEP and Liberal Core | | 24 |
| | Total Hrs. | 32 |

Total Number of Credits 122