

MILLIKIN UNIVERSITY

BS Chemistry, Pre-Professional Program: Pre-Dent/Pre-Med/Pre-Vet, Biochemistry Emphasis - 8 Semester Plan

| Semester #1 | Term: _____ | Hours | Spg/Fall/Evry | Semester #2 | Term: _____ | Hours | Spg/Fall/Evry |
|--|--------------------|--------------|----------------------|--|--------------------|--------------|----------------------|
| IN 140: University Seminar | | 3 | | PS 130: Introductory Psychology | | 3 | |
| IN 180: University Writing | | 3 | | CH 122: General Chemistry II | | 3 | |
| CH 121: General Chemistry I | | 3 | | CH 152: General Chemistry Laboratory II | | 1 | |
| CH 151: General Chemistry Laboratory I | | 1 | | BI 205: Cell Biology with lab | | 4 | |
| BI 105/155: Ecology & Evolution with lab | | 4 | | Mathematics | | 4 | |
| Mathematics (determined by placement) | | 4 | | CO 200: Public Speaking | | 3 | |
| Semester Total | | 18 | | Semester Total | | 18 | |
| Cumulative Total | | 18 | | Cumulative Total | | 36 | |
| Semester #3 | Term: _____ | Hours | Spg/Fall/Evry | Semester #4 | Term: _____ | Hours | Spg/Fall/Evry |
| CH 301: Organic Chemistry I | | 3 | | CH 302: Organic Chemistry II | | 3 | |
| CH 251: Organic Chemistry Laboratory I | | 1 | | CH 252: Organic Chemistry Laboratory II | | 1 | |
| PY 151/171: University Physics I with lab | | 4 | | PY 152/172: University Physics II with lab | | 4 | |
| IN 250: U.S. Cultural Studies | | 3 | | CH 306: Descriptive Inorganic Chemistry | | 3 | |
| BI 200: Genetics with lab | | 4 | | CH 256: Inorganic Chemistry Laboratory | | 1 | |
| SO 100: Introduction to Sociology | | 3 | | IN 251: U.S. Structural Studies | | 3 | |
| | | | | IN 280: Writing in the Disciplines | | 3 | |
| Semester Total | | 18 | | Semester Total | | 18 | |
| Cumulative Total | | 54 | | Cumulative Total | | 72 | |
| Semester #5 | Term: _____ | Hours | Spg/Fall/Evry | Semester #6 | Term: _____ | Hours | Spg/Fall/Evry |
| CH 232: Analytical Chemistry | | 3 | | CH 391: Undergraduate Research | | 1 | |
| CH 253: Analytical Chemistry Laboratory | | 1 | | CH 432: Advanced Biochemistry | | 3 | |
| CH 254: Introduction to Research | | 1 | | IN 350: Global Studies | | 3 | |
| CH 303: Physical Chemistry I (must complete MA 240 prior) | | 3 | | International Cultures and Structures I | | 3 | |
| CH 331: Biochemistry | | 3 | | Electives | | 6 | |
| CH 354: Biochemistry Laboratory | | 1 | | | | | |
| BI 407: Molecular Genetics | | 4 | | | | | |
| Semester Total | | 16 | | Semester Total | | 16 | |
| Cumulative Total | | 88 | | Cumulative Total | | 104 | |
| Semester #7 | Term: _____ | Hours | Spg/Fall/Evry | Semester #8 | Term: _____ | Hours | Spg/Fall/Evry |
| CH 391: Undergraduate Research | | 1 | | CH 391: Undergraduate Research | | 1 | |
| International Cultures and Structures II | | 3 | | CH 420: Instrumental Analysis | | 3 | |
| Creative Arts | | 3 | | CH 352: Instrumental Analysis Laboratory | | 1 | |
| Literature | | 3 | | CH 482: Seminar | | 1 | |
| Electives | | 6 | | Historical Studies | | 3 | |
| | | | | Electives | | 6 | |
| Semester Total | | 16 | | Semester Total | | 15 | |
| Cumulative Total | | 120 | | Cumulative Total | | 135 | |

NOTES:

- The schedule above provides a template. Schedules will vary by student. Summer courses may be taken at Millikin or another institution (course approved through Registrar)
- Undergraduate graduation hour requirements: 124 credits
- To be considered a full time student you must enroll in a minimum of 12 credit hours per semester.
- If taking Advanced Placement courses in high school or considering dual enrollment in high school/community college courses, please make sure you speak with a faculty advisor or Registrar's Office at Millikin prior to your selection/enrollment.