



**Biomedical Sciences
Accelerated Sample Curriculum Plan**

| Course | 1 st Trimester Fall | Hours | Course | 2 nd Trimester Spring | Hours |
|---------|--------------------------------|-----------|---------|----------------------------------|-----------|
| ENG 101 | English Composition I | 3 | ENG 102 | English Composition II | 3 |
| BIO 110 | General Biology I | 4 | BIO 120 | General Biology II | 4 |
| HSC 104 | Baptist University Experience | 1 | PSY 201 | Psychology | 3 |
| CHE 115 | General Chemistry I | 4 | CHE 125 | General Chemistry II | 4 |
| MAT 110 | College Algebra | 3 | AHS 202 | Medical Terminology | 2 |
| | Total | 15 | | Total | 16 |

| Course | 3 rd Trimester Summer | Hours |
|---------|----------------------------------|-----------|
| BIO 205 | Microbiology | 4 |
| SOC 201 | Medical Sociology | 3 |
| COM | Communications Elective | 3 |
| HSC 410 | Professional Health Care Roles | 3 |
| | Major Elective | 3 |
| | Total | 16 |

| Course | 4 th Trimester Fall | Hours | Course | 5 th Trimester Spring | Hours |
|---------|--------------------------------|-----------|-------------------------|----------------------------------|-----------|
| CHE 210 | Organic Chemistry I | 4 | CHE 220 | Organic Chemistry II | 4 |
| BIO 342 | Human Anatomy | 4 | BIO 345 | Human Physiology | 4 |
| PHY 305 | Physics I | 4 | PHY 315 | Physics II | 4 |
| MAT 240 | Elements of Calculus | 3 | ENG 104 | Medical Writing | 1 |
| | | | HIS/LIT/PHI/PSY/REL/SOC | Humanities Elective | 3 |
| | Total | 15 | | Total | 16 |

| Course | 6 th Trimester Summer | Hours |
|---------|----------------------------------|-----------|
| MAT 211 | Statistics | 3 |
| PSY 301 | Human Growth and Development | 3 |
| PHI 301 | Biomedical Ethics | 3 |
| | Major Elective | 3 |
| | Major Elective | 3 |
| | Total | 15 |

| Course | 7 th Trimester Fall | Hours | Course | 8 th Trimester Spring | Hours |
|---------|--------------------------------|-----------|---------|----------------------------------|-----------|
| HSC 301 | US Healthcare Systems | 3 | BIO 410 | Molecular Cell Biology | 4 |
| BIO 350 | Genetics | 3 | ENG | Literature Elective | 3 |
| CHE 310 | Biochemistry | 4 | REL | Religion Elective | 3 |
| HSC 461 | Bio-technique Seminar | 2 | | Major Elective | 3 |
| | Foreign Language Elective | 3 | | Major Elective | 3 |
| | Total | 15 | | Total | 16 |

Major Electives (15 hours)

| Category I- Upper Level (Minimum 8 hrs) | | | Category II- Lower Level | | |
|---|---|---|--------------------------|---|-----|
| BIO 340 | Histology | 4 | BIO 301/310 | Pathophysiology/Applied Pathophysiology | 3 |
| BIO 380 | Physiological Psychology | 3 | BIO 315 | Applied & Environmental Microbiology | 3 |
| BIO 390 | Immunology | 3 | BIO 320 | Cross-Sectional Anatomy | 2 |
| BIO 420 | Endocrinology | 3 | BIO 401-404 | Special Topics in Biology | 1-4 |
| BIO 460 | Cancer Biology | 3 | HSC 320 | Research for Healthcare Professionals | 3 |
| CHE 330 | Molecular Pharmacology | 3 | ECO 205 | Health Economics | 3 |
| HSC 350/POH 442 | Perspectives in Epidemiology/Principles in Public Health and Epidemiology | 3 | | | |
| HSC 310 | Adverse Childhood Experiences | 3 | | | |
| HSC 460 | Undergraduate Research | 1 | | | |
| MAT 310 | Biostatistics | 3 | | | |
| POH 375 | Global Infectious Diseases | 3 | | | |
| PSY 320 | Psychopathology | 3 | | | |