

**3+2 Dual BS Degree in Biology (General) and Clinical Laboratory Science
Typical Course Sequence**

FRESHMAN YEAR

| FALL | | SPRING | |
|---------------------------------|----|---------------------------------|----|
| CHEM 1150,1151 Gen Chem I | 4 | CHEM 1160,1161 Gen Chem II | 4 |
| BIOL 1100,1101 Biol | 4 | BIOL 1200,1201 Princ Biol II | 4 |
| ENGL 1100 Composition | 3 | ENGL 1200 Composition | 3 |
| MATH 1065 College Algebra | 3 | PSYC 1000 Intro to Psychology | 3 |
| CLSC 2000 Intro to Clin Lab Sci | 2 | HLTH 1000 Health in Mod Society | 2 |
| | 16 | EXSS Physical Activity | 1 |
| | | | 17 |

SOPHOMORE YEAR

| FALL | | SPRING | |
|-----------------------------------|----|--------------------------------|-------|
| CHEM 2750,2753 Org Chem I | 4 | CHEM 2760,2763 Org Chem II | 4 |
| MATH 2121 Calculus for Life Sci I | 3 | MATH 2122 Calculus Life Sci II | 3 |
| BIOL 2250, 2251 Ecology | 4 | BIOL 2300 Genetics | 3 |
| PSYC 2101 | 4 | PHYS 1250,1251 Gen Physics I | 4 |
| BIOL 2130 Human P & A | 4 | BIOL Elective | 3-4 |
| | 19 | | 17-18 |

SUMMER SESSION

| Session 1 | | Session 2 | |
|----------------|---|----------------|---|
| Social Science | 3 | Social Science | 3 |
| | 3 | | 3 |

JUNIOR YEAR

| FALL | | SPRING | |
|---------------------------------|----|---------------------------------|----|
| PHYS 1260,1261 Gen Physics II | 4 | BIOL elective | 4 |
| BIOL 3220, 3221 Microbiology | 4 | CHEM 2250,2251 Quant Analysis** | 5 |
| ENGL 3820 Scientific Writing*** | 3 | | |
| Humanities/Fine Arts | 5 | Humanities/Fine Arts | 5 |
| | 16 | | 17 |

Student is admitted to professional phase of Clinical Laboratory Science program. Students will earn 10 s.h. equivalents of BIOL elective credit during this phase of the CLCS program, thus completing the requirements for the BS BIOL degree.

SENIOR YEAR

| FALL | | SPRING | |
|---------------------------------|----|-----------------------------------|----|
| CLSC 3410,3411 Hematology I | 4 | CLSC 3420,3421 Hematology II | 4 |
| CLSC 3430 Clinical Immunology | 2 | CLSC 4440, 4441 Clin Chemistry II | 6 |
| CLSC 4430,4431 Clin Chemistry I | 3 | CLSC 4470,4471 Clin Microbl II | 5 |
| CLSC 4460,4461 Clin Microbl I | 6 | CLSC 4803 Intro to Lab Inf Sys | 2 |
| | 15 | | 17 |

SUMMER SESSION I & II

| | | |
|----------------|-----------------------|----|
| CLSC 4210,4211 | Immunohematology | 4 |
| CLSC 3440,3441 | Urinalysis & Serology | 3 |
| CLSC 4480,4481 | Clin Microbl III | 3 |
| | | 10 |

FALL SEMESTER

| | | |
|-----------|---------------------|----|
| CLSC 4992 | Clin Edu-Hematology | 4 |
| CLSC 4993 | Clin Edu-Chemistry | 4 |
| CLSC 4801 | Prof Pract Issues I | 3 |
| CLSC 4491 | Mol Diagn in CLS I | 1 |
| | | 12 |

SPRING SEMESTER

| | | |
|-----------|-----------------------|----|
| CLSC 4994 | Clin Edu-Immunochem | 4 |
| CLSC 4997 | Clin Edu-Microbiology | 4 |
| CLSC 4802 | Prof Pract Issues II | 4 |
| CLSC 4492 | Mol Diagn in CLS II | 1 |
| | | 13 |

Dual B.S. Degree with majors in Biology and Clinical Laboratory Science will be awarded at end of 5-year curriculum, as opposed to completing two separate BS degrees over 6 years. Total dual degree hours would be 174-175 s.h.