**CLINICAL LABORATORY SCIENCE MAJOR**
Sample Course Plan 2015 – 2016
bld.msu.edu

### YEAR

#### Freshman
- **CEM 141** General Chemistry (4)
- **CEM 161** Chemistry Lab I (1)
- **MTH 116** College Algebra & Trigonometry (5)
- **WRA or Writing, Rhetoric, American Culture**
- **ISS 2XX** Integrative Studies in Social, Behavioral and Economic Sciences (4)

#### Sophomore
- **BLD 213** Applic of Clinical Lab Principles (2)
- **CEM 251** Organic Chemistry I (3)
- **PHY 231** Introductory Physics I (3)
- **PSL 310** Physiology for Pre-Health Professionals (4)
- **ISS 2XX** Integrative Studies in Social, Behavioral and Economic Sciences (4)

#### Junior
- **BLD 434** Clinical Immunology (3)
- **BLD 324** Fundamental Heme, Coag, Urine (3)
- **BLD 324L** Intro Lab in Heme, Coag, Urine (1)
- **BMB 401** Basic Biochemistry (4)
- **ISS 3XX** Integrative Studies in Social, Behavioral and Economic Sciences (4)

#### Senior
- **Elective**
- **MMG 463** Medical Microbiology (3)
- **MMG 464** Diagnostic Microbiology Lab (2)
- **BLD 416** Clinical Chemistry (4)
- **BLD 455** Integ Clin Lab Sci Discip (W) (2)

### Credits prior to Clinical Courses 120

### Approved course substitutions include:
- **BMB 401(4)** - **BMB 461(3)** and **BMB 462(3)**
- **CEM 162(1)** - **CEM 262(2)**
- **MTH 132(3)** - **MTH 124(3)**
- **PSL 310(4)** - **PSL 431(3)** and **PSL 432(3)** or **PSL 250(4)**
- **STT 201(4)** - **STT 200(3)** or **STT 231(4)**

### CLINICAL COURSES (total 16 credits):
- **BLD 471 Adv Clinical Chemistry Lab (3)**
- **BLD 472 Advanced Clinical Chemistry (1)**
- **BLD 473 Adv Clin Hemat & Body Fluids (3)**
- **BLD 474 Adv Clin Hemat & Body Fluids (1)**
- **BLD 475 Adv Clin Immun & Immunohem Lab (2)**
- **BLD 476 Adv Clin Immun & Immunohem (1)**
- **BLD 477 Adv Clinical Microbiology Lab (3)**
- **BLD 478 Advanced Clinical Microbiology (1)**
- **BLD 479 Prof Behavior in CLS (1)**

### TOTAL CREDITS TO GRADUATE 136

Eligible for national certification examinations after graduation.
The Bachelor of Science degree program in clinical laboratory science has been accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119 773-714-8890

s:\curriculum-info shts\2015-16\2015-2016 cls sample course plan no map.docx