

**MORGAN STATE UNIVERSITY
MEDICAL TECHNOLOGY PROGRAM
CURRICULUM SEQUENCE**

PRE-PROFESSIONAL PHASE

FRESHMAN YEAR (FIRST SEMESTER)

| | | |
|-------------|----------------------|---|
| ENGL 101 | FRESHMAN COMP I | 3 |
| HIST 101 | WORLD HISTORY I or | 3 |
| or HIST 105 | U.S. HISTORY I | |
| CHEM 105 | PRINCIPLES OF CHEM I | 4 |
| MATH 113 | MATH. ANALYSIS I | 4 |
| ORNS 106 | FRESHMAN ORIENTATION | 1 |
| HEED 100 | HEALTH EDUCATION | 2 |

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SOPHOMORE YEAR (FIRST SEMESTER)

| | | |
|----------|------------------------|---|
| HUMA 201 | HUMANITIES I | 3 |
| BIOL 105 | INTRODUCTORY BIOLOGY I | 4 |
| CHEM 201 | ORGANIC CHEMISTRY | 4 |
| PHIL 109 | INTRODUCTION TO LOGIC | 3 |
| BIOL 200 | MEDICAL TECHNOLOGY | 2 |
| GENL 201 | COMPUTER LITERACY | 2 |

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PROFESSIONAL PHASE

JUNIOR YEAR (FIRST SEMESTER)

| | | |
|----------|-----------------------|---|
| BIOL 405 | MICROBIOLOGY | 4 |
| HIST 350 | AFRICAN DIASPORA | 3 |
| MDTC 421 | CLINICAL MICROSCOPY | 2 |
| XXX | COMP. STUD. | 3 |
| MDTC 300 | PRIN. MED. TECHNOLOGY | 3 |
| XXX | HUMANITIES ELECTIVE | 3 |

18

SENIOR YEAR (SUMMER SEMESTER)

| | | |
|----------|--------------------|---|
| MDTC 410 | CLINICAL CHEMISTRY | 4 |
|----------|--------------------|---|

4

SENIOR YEAR (FIRST SEMESTER)

| | | |
|----------|------------------------|---|
| MDTC 420 | CLINICAL HEMATOLOGY II | 3 |
| MDTC430 | IMMUNO/SEROLOGY | 2 |
| MDTC 431 | IMMUNOHEMATOLOGY II | 2 |
| MDTC 440 | CLINICAL MICROBIOLOGY | 5 |
| MDTC 450 | MED. TECH. SEMINAR | 1 |
| MDTC 470 | INTRO. MOLECULAR DIAG. | 2 |

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FRESHMAN YEAR (SECOND SEMESTER)

| | | |
|-------------|------------------------|---|
| ENGL 102 | FRESHMAN COMP II | 3 |
| HIST 102 or | WORLD HISTORY II or | |
| HIST 106 | U.S. HISTORY II | 3 |
| CHEM 106 | PRINCIPLES OF CHEM II | 4 |
| MATH 114 | MATH..ANALYSIS II | 4 |
| MDTC 100 | INTRO TO ALLIED HEALTH | 1 |
| PHEC XXX | PHYSICAL EDUCATION | 1 |

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SOPHOMORE YEAR (SECOND SEMESTER)

| | | |
|----------|-----------------------|---|
| MDTC 280 | HUMAN PHYSIOLOGY | 4 |
| HUMA 202 | HUMANITIES II | 3 |
| BIOL 106 | INTO.TO BIOLOGY | 4 |
| CHEM 202 | BIOCHEM. | 4 |
| XXX | SOC. SCIENCE ELECTIVE | 3 |

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JUNIOR YEAR (SECOND SEMESTER)

| | | |
|-----------|------------------------|---|
| XXX | COMP. STUD. | 3 |
| BIOL 406 | IMMUNOLOGY | 4 |
| MDTC 305 | INTRO. CLIN. CHEMISTRY | 3 |
| MDTC 335 | PATH MICROBIOLOGY | 4 |
| *MDTC 419 | CLINICAL HEMATOLOGY I | 3 |
| *MDTC 429 | IMMUNOHEMATOLOGY I | 3 |

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SENIOR YEAR (SECOND SEMESTER)

CLINICAL ROTATIONS

| | | |
|----------|-------------------------|---|
| MDTC 411 | CLIN. PRACT - CHEMISTRY | 3 |
| MDTC 422 | CLIN.PRACT HEME/MICR | 3 |
| MDTC 432 | CLIN. PRACT - HEME/MICR | 3 |
| MDTC 441 | CLIN. PRACT - MICROBIO | 3 |
| MDTC 480 | CLIN. LAB. SCIE. REVIEW | 1 |

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TOTAL CREDITS

139

*courses do not run concurrently