

Student Name: Last, First _____

Catalog: 2014 - 15

TISSUE Eng

Student ID: 1000 _____

Expected Date of Graduation: _____

Prepared by: _____ Date _____

Approved by: _____ Date _____

Approved by: _____ Date _____

Certified by: _____ Date _____

| Taken | Grade | Transf | Hrs | Hrs Ernd |
|---|-----------|--------|--------------------------------|-----------|
| COMMUNICATION | | | | |
| | ENGL 1301 | | Rhetoric & Composition I | 3 |
| | ENGL 1302 | | Rhetoric & Composition II | 3 |
| | COMS 2302 | | Prof, Tech Commu, Sci & Eng | 3 |
| Total Hrs. | | | | 9 |
| US HISTORY | | | | |
| | HIST 1311 | | History of US to 1865 | 3 |
| | HIST 1312 | | History of US, 1865 to present | 3 |
| Total Hrs. | | | | 6 |
| GOVERNMENT/POLITICAL SCIENCE | | | | |
| | POLS 2311 | | Gov't of the US | 3 |
| | POLS 2312 | | State & Local Gov't | 3 |
| Total Hrs. | | | | 6 |
| CREATIVE ARTS | | | | |
| | Elective | | (choose 1 from Table A) | 3 |
| Total Hrs. | | | | 3 |
| LANGUAGE, PHILOSOPHY AND CULTURE | | | | |
| | PHIL 1304 | | (Contemporary Moral Problems) | 3 |
| Total Hrs. | | | | 3 |
| SOCIAL AND BEHAVIOR SCIENCE | | | | |
| | Elective | | (Choose 1 from Table B) | 3 |
| Total Hrs. | | | | 3 |
| SCIENCE | | | | |
| | CHEM 1441 | | General Chemistry I | 4 |
| | CHEM 1442 | | General Chemistry II | 4 |
| | CHEM 2321 | | Organic Chem I | 3 |
| | CHEM 2181 | | Organic Chem I Lab | 1 |
| | CHEM 2322 | | Organic Chem II | 3 |
| | CHEM 2182 | | Organic Chem II Lab | 1 |
| | CHEM 4311 | | Biochemistry I | 3 |
| | BIOL 1441 | | Cell & Molecular Biology | 4 |
| | BIOL 1442 | | Struc & Func of Organisms | 4 |
| | BE 3301 | | Cell Physiology | 3 |
| | PHYS 1443 | | General Tech Physics I | 4 |
| | PHYS 1444 | | General Tech Physics II | 4 |
| Total Hrs. | | | | 38 |

| Taken | Grade | Transf | Hrs | Hrs Ernd |
|--|----------------------|--------|------------------------------------|-----------|
| MATHEMATICS | | | | |
| | MATH 1426 | | Calculus I | 4 |
| | MATH 2425 | | Calculus II | 4 |
| | MATH 2326 | | Calculus III | 3 |
| | MATH 3319 | | Diff Eqs & Linear Algebra | 3 |
| | MATH 3316 or IE 3301 | | Statistics Inference | 3 |
| Total Hrs. | | | | 17 |
| CSE course | | | | |
| | CSE 1311 | | Intro to Prog for Eng & Sci | 3 |
| Total Hrs. | | | | 3 |
| MAJOR: BIOENGINEERING (BIOMATERIALS & TISSUE) | | | | |
| | BE 1104 | | Intro to Engineering | 1 |
| | BE 1225 | | Intro to Bioengineering | 2 |
| | BE 3310 | | Fluid Flow, Cellular Mech w/Lab | 3 |
| | BE 3320 | | Measurement Lab | 3 |
| | BE 4368 | | An Intro Tissue Eng, Drug Delivery | 3 |
| | BE 3367 | | Cell Culture and Drug Delivery Lab | 3 |
| | BE 3380 | | Human Physiology in BE | 3 |
| | BE 4325 | | Fundamental of BE | 3 |
| | BE 4334 | | Intro Nano, Biopolymer Materials | 3 |
| | BE 4337 | | Transport Phenomena in BME | 3 |
| | BE 4350 | | Senior Design Project I | 3 |
| | BE 4355 | | Senior Design Project II | 3 |
| | BE 4382 | | Laboratory Principles | 3 |
| Total Hrs. | | | | 36 |
| Choose 1 from below | | | | 3 |
| | BE 3344 | | Bioinstrumentation | 3 |
| | BE 4329 | | Neural Engineering | 3 |
| | BE 4366 | | Process Control in Biotech | 3 |

Total Hrs. 127

The following are required for BS/BE with PreMed option

| | | | | |
|--|------------|--|---------------------------|---|
| | BIOL 3315 | | Genetics | 3 |
| | BIOL 3312 | | Immunobiology | 3 |
| | BIOL 3444 | | Microbiology | 4 |
| | CHEM 4312 | | Biochemistry II | 3 |
| | *BIOL 3442 | | Animal Physiol (UTA BIOL) | 4 |

Beginning 2015 MCAT includes

| | | | | |
|--|-----------|--|---------------------|---|
| | PSYC 1315 | | Intro to Psychology | 3 |
| | SOCI 1311 | | Intro to Sociology | 3 |

One of the above can be taken under Social & Behavior Science category requirement

updated 2/3/2014