**Name:** _____ **Admitted to Biosystems Eng** Sept 2015

**Student#** _____ **Graduation Date:** _____

# Biosystems Engineering Program

| | | COURSES - common for all options | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|---|
| 1 | ANTH 2430 | Tech & Soc (CIVL 4460, ENG 3020 or ANTH 2500) | 3 | | |
| 2 | BIOE 2110 | Transport Phenomenon | 3 | | |
| 3 | BIOE 2480 | Sustainable Engineering | 3 | | |
| 4 | BIOE 2580 | (or BIOE 2900) BioE Design Trilogy 1 | 4 | | |
| 5 | BIOE 2590 | Biology for Engineers (or BIOL 1020 & 1030) | 3 | | |
| 6 | BIOE 3270 | Inst & Meas Biosystems | 4 | | |
| 7 | BIOE 3320 | Eng Prop Biological Mat | 4 | | |
| 8 | BIOE 3400 | Design of Struc Comp in Machines | 4 | | |
| 9 | BIOE 3580 | (or BIOE 4900) BioE Design Trilogy 2 | 4 | | |
| 10 | BIOE 3590 | Mech Mat Biosystems | 4 | | |
| 11 | BIOE 4240 | Graduation Project | 3 | | |
| 12 | BIOE 4580 | (or BIOE 4950) BioE Design Trilogy 3 | 4 | | |
| 13 | BIOL 1410 | Anatomy Human Body (or SOIL 4060) | 3 | | |
| 14 | BIOL 1412 | Physio Human Body (or BIOE 2600) | 3(4) | | |
| 15 | CHEM 1300 | Chemistry (Struc & Mode) | 3 | | |
| 16 | CHEM 1310 | U1, Physical Chemistry | 3 | | |
| 17 | CIVL 2790 | (or BIOE 2790, MECH 2262) Fluid Mechanics | 4 | | |
| 18 | CIVL 2800 | (or BIOE 2800, MECH 2222) Solid Mechanics | 4 | | |
| 19 | CIVL 4050 | (or ENG 3000) Engineering Economics | 3 | | |
| 20 | COMP 1012 | Comp Prog for Sci & Eng (COMP 1010) | 3 | | |
| 21 | ENG 1430 | Design in Engineering | 3 | | |
| 22 | ENG 1440 | Intro to Statics | 3 | | |
| 23 | ENG 1450 | Intro to Elec & Comp Eng Techniques | 3 | | |
| 24 | ENG 1460 | Intro to Thermal Sciences | 3 | | |
| 25 | ENG 2022 | Eng (CAD) Tech for Biosystems | 3 | | |
| 26 | ENGL 1400 | English (or ENGL 1200, 1300, 1340) | 3 | | |
| 27 | MATH 1210 | Classical/Linear Algebra | 3 | | |
| 28 | MATH 1510 | Applied Calculus I | 3 | | |
| 29 | MATH 1710 | Applied Calculus II | 3 | | |
| 30 | MATH 2120 | (or MECH 2150, CIVL 3590) Numerical | 4 | | |
| 31 | MATH 2130 | Eng Math Analysis 1 | 4 | | |
| 32 | MATH 2132 | Eng Math Analysis 2 | 4 | | |
| 33 | MBIO 1220 | Essentials of Microbiology (or MBIO 1010) | 3 | | |
| 34 | MECH 3482 | Kinematics & Dynamics | 4 | | |
| 35 | PHYS 1050 | Physics 1: Mechanics | 3 | | |
| 36 | STAT 2220 | Probability & Statistics (or STAT 1000 & 2000) | 3 | | |
| 37 | | BioE Design Elective 1 | 4 | | |
| 38 | | BioE Design Elective 2 | 4 | | |
| 39 | | BioE Design Elective 3 | 4 | | |
| 40 | | BioE Design Elective 4 | 4 | | |
| 41 | | Complementary Studies Elective 1 | 3 | | |
| 42 | | Complementary Studies Elective 2 | 3 | | |
| 43 | | Complementary Studies Elective 3 | 3 | | |
| 44 | | Free Elective 1 | 3 | | |
| 45 | | Free Elective 2 | 3 | | |

| | Minor in Math | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | Must complete 24 cr hr | | | |
| These math courses are compulsory in the program | MATH 1500 or 1510 | 3 | | |
| | MATH 1700 or 1710 | 3 | | |
| | MATH 1210 | 3 | | |
| | MATH 2130 | 4 | | |
| | MATH 2132 | 4 | | |
| | MATH | 3 | | |
| | MATH | 3 | | |
| additional courses | 3000 + | 3 | | |
| | 3000 + | 3 | | |

## MINORS / OPTIONS

| | Co-op Option | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | ENG 4800 Co-op Work 1 | 1 | | |
| | ENG 4810 Co-op Work 2 | 1 | | |
| | ENG 4820 Co-op Work 3 | 1 | | |

**Students seeking a Minor should consult with an Advisor**

| | Minor in Agribusiness | Cr Hr | Yr Taken | GRADE |
|---|---|---|---|---|
| | Must complete 18 cr hr | | | |
| | ECON 1010 | 3 | | |
| | ECON 1020 | 3 | | |
| | ABIZ 1000 | 3 | | |
| | ABIZ 2510 | 3 | | |
| | ABIZ 2520 | 3 | | |
| ABIZ | | 3 | | |

| | Minor in Arts | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | Must complete 18 cr hr (6 Hum + 6 Soc Sci + 6 Arts) | | | |
| Hum | ENGL 1310 Literary Topics | 3 | | |
| Hum | PHIL 1290 Critial Thinking | 3 | | |
| SS | | 3 | | |
| SS | | 3 | | |
| Arts | | 3 | | |
| Arts | | 3 | | |

| | Minor in Computer Science | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | Must complete 18 cr hr | | | |
| CS | COMP 1012 Intro Comp Sci | 3 | | |
| CS | COMP 1020 Intro Comp Sci 2 | 3 | | |
| CS | COMP 2140 Data Str & Algo | 3 | | |
| CS | 2000 or + | 3 | | |
| CS | 2000 or + | 3 | | |
| CS | 2000 or + | 3 | | |

| | Minor in Geological Sciences | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | Must complete 18 cr hr | | | |
| | GEOL 1340 or GEOL 2250 | 3 | | |
| | GEOL 1400 or GEOL 1410 or GEO | 3 | | |
| | GEOL 2540 | 3 | | |
| | 2000 or + | 3 | | |
| | 2000 or + | 3 | | |
| | 2000 or + | 3 | | |

| | Minor in Management | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | Must complete 18 cr hr | | | |
| Mgt | | 3 | | |
| Mgt | | 3 | | |
| Mgt | | 3 | | |
| Mgt | | 3 | | |
| Mgt | | 3 | | |
| Mgt | | 3 | | |

| | Minor in Music | Cr Hr | YR TAKEN | GRADE |
|---|---|---|---|---|
| | Must complete 18 cr hr (no Eng crses apply) | | | |
| | MUSC 1110 or MUSC 1280 | 3 | | |
| | MUSC 1120 or MUSC 1290 | 3 | | |
| | MUSC 21380 | 2 | | |
| | MUSC 3180 | 2 | | |
| | MUSC 4180 | 2 | | |
| | MUSC | 3 | | |
| | MUSC | 3 | | |

| FINAL: |
|---|
| CGPA |
| Standing |

| TERM: |
|---|
| TGPA |
| Ds & Fs |
| Standing |

| TERM: |
|---|
| TGPA |
| Ds & Fs |
| Standing |

| TERM: |
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| TGPA |
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| TGPA |
| Ds & Fs |
| Standing |