

## APPENDIX II. CURRICULUM SHEETS FOR THE DEGREE PROGRAMS IN BCEE

### BIOMEDICAL ENGINEERING (BME) S-STEM MS-ACCEND and GSPT Changes Indicated

<b>Fall 2014</b> CHEM 1040 Gen Chemistry I 4 CHEM 1040L Gen Chem Lab I 1 ENED 1020 Engrg Foundations 2 ENED 1090 Engineering Models I 2 ENGL 1001 English Composition 3 MATH 1061 Calculus I 4 Total SH 16	<b>Spring 2015</b> CHEM 1041 Gen Chemistry II 4 CHEM 1041L Gen Chem Lab II 1 ENED 1030 Statics & BSOM 3 ENED 1091 Engineering Models II 2 MATH 1062 Calculus II..... 4 PD 1011 COOP for CEAS 1 Total SH 15	<b>Summer 2015</b>  <div style="text-align: center;"><b>OFF</b></div>
<b>Fall 2015</b> BoK 3 BIOL 1081 Biology 1 3 BIOL 1081L Biology I Lab 1 BME 2000C BME in the Clinic 4 ENVE 2093C Engr Apps of Diff Eqns 2 MATH 2074 Dynamical Systems 3 COOP 2011 Practice Evaluation 3 Total SH 16	<b>Spring 2016</b> <b>Cooperative Education Work Semester</b>	<b>Summer 2016</b> BOK 3 <b>BME 2010 Research Methods 3</b> TECH ELEC 3 BME 3071C Basic Electric Circuits 4 ENVE 4051 Stats & Reliability 3 COOP 2012 Practice Evaluation 3 Total SH 16
<b>Fall 2016</b>  <b>Cooperative Education Work Semester</b>	<b>Spring 2017</b> BOK 3 BME Focus Elective 3 TECH ELEC 3 BME 3020C Sensing & Measure. 4 ENGL 2089 Intermediate Comp. 3 COOP 3011 Practice Evaluation 3 <b>ENFD 3020 Undergrad Res I 2</b> Total SH 18	<b>Summer 2017</b>  <b>Cooperative Education Work Semester</b>
<b>Fall 2017</b> BOK 3 BME Focus Elective 3 TECH ELEC 3 BME 4020C Control & Lab. 4 PD 4001 Prof. Development 1 COOP 4011 Practice Evaluation 3 <b>ENFD 4020 Undergrad Res II 1</b> Total SH 15	<b>Spring 2018</b> <b>Cooperative Education Work Semester</b>	<b>Summer 2018</b> <b>ENFD 5030 Prep Grad Research 1-12</b> <div style="text-align: center;">OR</div> <b>ENFD 5020 Undergrad Res III 1-12</b> <b>Other Coursework 0-11</b> <b>Total SH 12</b>
<b>Fall 2018</b> SELE ELEC 3 SELE ELEC 3 BME ELEC 4 BME 5001 BME Sr. Capstone 6 COOP 4012 Practice Evaluation 3 Total SH 16	<b>Spring 2019</b> SELE ELEC 3 TECH-PROF ELEC 3 BME 5001 BME Sr. Capstone 6 Total SH 12	

BOK = Breadth of Knowledge -- General Education Requirements

UC's College of Engineering and Applied Science BOK requirements are as follows:

Take one course from any two of the following

- FA Fine Arts
- HP Historical Perspectives
- HU Humanities
- SS Social Sciences

AND Take one course from each of the following

- DC Diversity and Culture
- SE Social and Ethical Issues