**College of Engineering and Applied Science: MS Bioengineering Program Sheet**

**Medical Device Design and Entrepreneurship MS plus Certificate**

The Master of Science in bioengineering requires 30 credit hours of coursework, including 3 to 6 credit hours of a master’s project or thesis.

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| **Life Sciences Core (3 credits – Take one)** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
| BIOE 5010 - Cell and Molecular Biology for Bioengineers (Fall Only) |  |  |  |
| BIOE 5011 - Systems Physiology for Bioengineers (Spring Only) |  |  |  |
| Life Sciences Core Earned Credit Subtotal: | | |  |

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| **Quantitative Methods Core (3 credits)** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
| BIOE 5020 - Analytic Methods for Engineering Analysis (Fall Only, REQUIRED) |  |  |  |
| Quantitative Methods Core Earned Credit Subtotal: | | |  |

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| **Technology Core (6 credits)** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
| BIOE 5054 - Regulatory Affairs (Fall Only) |  |  |  |
| BIOE 5420 - Special Topics in Bioengineering: Biomedical Device Design and Entrepreneurship (Fall Only) |  |  |  |
| Technology Core Earned Credit Subtotal: | | |  |

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| **Research & Clinical Core (3 credits)** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
| BIOE 5041 - Clinical Experiences for Bioengineers (Fall and Spring, 1 credit) |  |  |  |
| BIOE 5040 - Research Methods for Bioengineers (Spring Only, 2 credits) |  |  |  |
| Research & Clinical Core Earned Credit Subtotal: | | |  |

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| **Business Elective (3 credits)** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
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| Business Elective Earned Credit Subtotal: | | |  |

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| **Electives (6 credits) – In sciences or engineering and related to the MS thesis or project** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
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| Electives Earned Credit Subtotal: | | |  |

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| **Research (6 credits)** | | | |
| Course ID and Title | Semester Taken | Grade | Credits Earned |
| BIOE 6960 - MS Project |  |  |  |
| Research Earned Credit Subtotal: | | |  |