

**MS in Biomedical Engineering & Biotechnology
Program Requirements if combined with BS in Bioengineering**

Major Required (Core) Courses (Total # of courses required = 5)*		
Course Number	Course Title	Credit Hours
BMB 510	Introduction to Biomedical Engineering/Biotechnology	3
BMB 520	Quantitative Physiology	3
BMB 540	Advanced Cell & Molecular Biology	3
EAS 501 or 502	Advanced Math/Numerical Methods	3
BMB571/EGR501/ EAS 602	Bio/Engr/Research Ethics	1
	SubTotal # Core Credits Required	13
<i>Elective Course Choices (Total courses required = 4-5)</i>		
TBD	Technical Elective	3
TBD	Technical Elective	3
TBD	Technical Elective	3
TBD	Technical Elective	3
	SubTotal # Elective Credits Required	12
TBD	Technical Elective (additional with capstone project option)	(3)
BMB 620	Master's Capstone Project (Required)	3
BMB 590	Master's Thesis (optional)	(3)

Curriculum Summary

Total number of courses required for the degree	11
Total credit hours required for degree	31

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Year 1

Fall (3 credits)	Spring (7 credits)
BMB 510 Intro. to Biomed Engr/Biotech	BMB 520 Quantitative Physiology
	BMB/BNG 5xx Technical Elective
	BMB 571/EGR 501/EAS 602 Ethics

Year 2

Fall (12 credits)	Spring (9 credits)
BMB 620 Capstone Project <i>or</i> Tech. Elective	BMB 690 Master's Thesis <i>or</i> BMB 620 Project
EAS 501/502 Adv. Math/Numerical Mthds	BMB 540 Advanced Cell & Molec Biology
BNG/BMB 5xx Technical Elective	BNG/BMB 5xx Technical Elective
BNG/BMB 5xx Technical Elective	