



Example BIOM Course Sequence Checklist (MR)

Full Time Student (9+ credit hours/semester)

Minimum 36 credits required

1st Semester Fall	Credits	Session
BEC 532 Biological Processing Science	2	<input type="checkbox"/> 8 weeks
CHE 563 Fermentation of Recombinant Microorganisms	2	<input type="checkbox"/> 8 weeks
BEC 515 Biopharmaceutical Product Characterization Techniques	2	<input type="checkbox"/> 8 weeks
BEC 601 Biomanufacturing Seminar (#1)	1	<input type="checkbox"/> 16 weeks
BEC 575 Global Regulatory Affairs for Medical Products (online)	3	<input type="checkbox"/> 16 weeks
Total credit hours	10	

2nd Semester Spring	Credits	Session
BBS 526 (upstream) or BEC 536 (downstream)	2	<input type="checkbox"/> 1st 8 weeks
BEC 580 (upstream) or BEC 585 (downstream)	2	<input type="checkbox"/> 2nd 8 weeks
BUS 554 Project Management	3	<input type="checkbox"/> 16 weeks
BEC 610 Preparation for Industry Internship in Biomanufacturing	1	<input type="checkbox"/> 8 weeks
BEC 601 Biomanufacturing Seminar (#2)	1	<input type="checkbox"/> 16 weeks
Total credit hours	9	

Summer Semester	Credits	Session
Industry Internship		<input type="checkbox"/>

3rd Semester Fall	Credits	Session
BEC Elective	2 or 3	<input type="checkbox"/> 8/16 weeks
BEC 590 Industry Practicum in Biomanufacturing	3	<input type="checkbox"/> 16 weeks
BEC 610 Internship Reflections for Biomanufacturing	1	<input type="checkbox"/> 8 weeks
MBA Elective	3	<input type="checkbox"/> 16 weeks
Total credit hours	9+	

4th Semester Spring	Credits	Session
ST 511 Experimental Statistics for Biological Sciences	3	<input type="checkbox"/> 16 weeks
BEC 577 Advanced Biomanufacturing and Biocatalysis	3	<input type="checkbox"/> 16 weeks
MBA Elective	3	<input type="checkbox"/> 16 weeks
Total credit hours	9	