

Michigan Technological University

Bachelor of Science Degree Audit

Major Program: Biomedical Engineering, Concentration: Engineering Enterprise

Program Code EBEE, Academic Year 2021-22

Total credits required for the degree: 128

Engineering Courses: 42 credits

| Course | Credits |
|--|---------|
| BE 2110 | 3 |
| BE 2400 | 3 |
| BE 2700 | 3 |
| BE 2800 | 3 |
| BE 3300 | 3 |
| BE 3350 | 3 |
| BE 3400 | 2 |
| BE 3700 | 3 |
| BE 3701 | 1 |
| BE 3800 | 3 |
| BE 4900 | 2 |
| EE 3010 | 3 |
| ENG 1101 or ENG 1001 and ENG 1100 | 3/4 |
| ENG 1102 | 3 |
| BE 3550 or MEEM 2201 and MEEM 3201* | 4/7 |

*Reduce technical electives by 3 credits if MEEM2201 and MEEM3201 are completed

Concentration Requirements: 10 credits

Enterprise Project Work: 6 credits

| Course | Credits |
|----------|---------|
| ENT 3950 | 1 |
| ENT 3960 | 1 |
| ENT 4950 | 2 |
| ENT 4960 | 2 |

Enterprise Instructional Modules: Select 4 credits
ENT2950, ENT2960, ENT2961, ENT2962, ENT3954,
ENT3956, ENT3958, ENT3961, ENT3963, ENT3964,
ENT3966, ENT3967, ENT3971, ENT4951, ENT4954,
ENT4961

| Course | Credits |
|--------|---------|
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Required Math and Science: 40 credits

| Course | Credits |
|-------------------------------|---------|
| BL 2010 | 3 |
| BL 2011 | 1 |
| BL 2020 | 3 |
| BL 2021 | 1 |
| CH 1150 | 3 |
| CH 1151 | 1 |
| CH 1160 | 3 |
| CH 1161 | 1 |
| MA 1121 or MA 1160 or MA 1161 | 4/5 |
| MA 2160 | 4 |
| MA 2320 or MA 2321 | 2 |
| MA 3160 | 4 |
| MA 3520 or MA 3521 | 2 |
| PH 1100 | 1 |
| PH 1200 | 1 |
| PH 2100 | 3 |
| PH 2200 | 3 |

Approved Technical Electives: 9 credits

| Course | Credits |
|--------|---------|
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Free Electives: 1 to 3 credits

Any coursework is allowable, excluding co-curricular and coursework below the 1000-level.

| Course | Credits |
|--------|---------|
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General Education Core and HASS

Courses used to complete Core and HASS requirements may not be used to complete other degree requirements. Students must complete 12 credits of Core coursework and 12 credits of Humanities, Fine Arts, and Social Science (HASS) coursework. Repeatable courses may not be repeated for general education credit. Core and HASS courses can be found on the [General Education](#) page.

Core: 12 credits

| Course | Credits |
|---|---------|
| UN 1015 | 3 |
| UN 1025 or an upper level modern language | 3 |
| Critical and Creative Thinking | 3 |
| Social Responsibility and Ethical Reasoning | 3 |

HASS: 12 credits

Six of the 12 HASS credits must be at the 3000 or 4000 level (an upper division language course in place of UN1025 does not meet this requirement). No more than three credits may come from the HASS Restricted course list.

| Course | Credits |
|--|-----------|
| Communication/ Composition | Minimum 3 |
| Humanities and Fine Arts | Minimum 3 |
| Social and Behavioral Sciences | Minimum 3 |
| Course from any list above or from the Restricted HASS course list | 0 to 3 |

Co-curricular Activities: 3 credits

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree. Only courses on the co-curricular course list are eligible. Half credit (0.5) courses may be repeated to a maximum of one time for co-curricular credit. Find eligible courses on the [General Education](#) page.

| Course | Credits |
|--------|---------|
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