Michigan Technological University
Academic Year 2020-21
Registrar's Office Bachelor of Science in Computer Engineering Concentration: Enterprise ECPEUG

Student Name and ID Number

| Major Requirements: 90 Credits |  |  |
| :---: | :---: | :---: |
| Course Number | Credits | Course Status Code M, R, P, WVD, SUB* |
| Core Requirements: 57 Credidts |  |  |
| CS 1121 or CS 1131 | 3/5 |  |
| CS 1122 (not required if CS 1131 is taken) | 3 |  |
| CS 1142 | 3 |  |
| CS 2311 | 3 |  |
| CS 2321 | 3 |  |
| EE 3160 | 3 |  |
| CS 3411 | 3 |  |
| CS 3421 | 3 |  |
| CS 4321 | 3 |  |
| EE 2111 | 3 |  |
| EE 2112 | 4 |  |
| EE 2174 | 4 |  |
| EE 3131 | 4 |  |
| EE 3173 | 4 |  |
| EE 3901 | 2 |  |
| EE 4173 | 3 |  |
| EE 4272 | 3 |  |
| ENG 1101 or <br> ENG 1001 and ENG 1100 | 3/4 |  |
| Math and Science: 23 Credits |  |  |
| MA 1160 or MA 1161 | 4/5 |  |
| MA 2160 | 4 |  |
| MA 2321 | 2 |  |
| MA 3521 | 2 |  |
| MA 3710 | 3 |  |
| PH 1100 | 1 |  |
| PH 1200 | 1 |  |
| PH 2100 | 3 |  |
| PH 2200 | 3 |  |
| Directed Math/Science Elective: 5 Credits |  |  |
| STEM 2nd discipline Scien <br> BL 1400 and <br> CH 1150 and CH1151 or GE 2000 | Course: $3 / 4$ | ts minimum |
| Choose remaining Directed Math/Science Elective: MA2600, 2910, MA3XXX or higher (excluding MA3720, 3750, 3810, 3811, 3990, 4810, 4820, 4905, 4945); BL1100 or higher (excluding BL1580, 1590, 1710, 1800, 3970, 3990) ; CH1500 or higher; PH1090, 1091, 1600, 1610, 2300 or higher; EE3180 |  |  |
|  | 2 |  |
| Credit Subtota |  |  |


| Major Requirements: 90 Credits |  |  |  |
| :--- | :---: | :---: | :---: |
| Course Number | Credits | Course Status Code <br> M, R, P, WVD, SUB* |  |
| Technical Electives: 5 Credits; 6 credits if CS1131 is taken. (ENG1102 if <br> taken with FY program) |  |  |  |
| CS3141, 3311, 3331, 3425, 3712 <br> CS4001-4999 (excluding CS4090, 4099, 4431, 4791, 4792) <br> CS500-5899 (excluding CS5090, 5091) <br> EE3090-3999 and EE4001-4799 (excluding EE3171, 3901) <br> EE5000-7999 (excluding EE4994, 5290, 5975, 5990, 5991, 5992, 6975) <br> MA3202, 3203, MEEM4707 <br> UN3002 (up to 2 credits) |  |  |  |
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| Credit Subtotal |  |  |  |

## Concentration Requirements: 12 Credits



ENT3982, ENT3983, ENT4951, ENT4954

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*M-Passed with valid grade, transfer, or Advance Placement credit;
Registered in course; Plan to take in future, WVD-Waived course or credit (does not reduce total degree credits required), SUB-Petitioned as substitute course.

General Education Requirements: $\mathbf{2 4}$ Credits

| Course Number | Credits | Course Status Code <br> M, R, P, WVD, SUB* |
| :--- | :--- | :--- | M, R, P, WVD, SUB*

Courses used to complete General Education may not be used to complete other degree requirements.

| Core: 12 Credits |  |  |
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| UN 1015 | 3 |  |
| UN 1025 or upper level <br> modern language | 3 |  |
| Critical and Creative <br> Thinking | 3 |  |
| Social Responsibility and <br> Ethical Reasoning | 3 |  |

## HASS: 12 Credits

$\checkmark$ Students must complete 12 credits of HASS course work
$\checkmark$ Six of the 12 credits must be at the 3000- or 4000- level*
$\checkmark$ At least three credits each in the following: Communication/Comp,
Humanities and Fine Arts, and Social \& Behavioral Sciences.
$\checkmark$ No more than three credits may come from the Restricted List

| Communication/ <br> Composition | minimum <br> 3 |  |
| :--- | :---: | :--- |
| Humanities and Fine Arts | minimum <br> 3 |  |
| Social and Behavioral <br> Sciences | minimum <br> 3 |  |
| Course from any list <br> above or Restricted List | $0-3$ |  |

*an upper division language course in place of UN1025 does not meet this requirement.

## Co-Curricular Activities: 3 Credits

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.

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