

**BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY
COMPUTER SYSTEMS TECHNOLOGY OPTION (ETB-CP)
DEGREE REQUIREMENTS**

Degree requirements total 124 hours for graduation, 48 of which must be at the 300 level or above.

Major requirements total 63 hours.

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| 1. Freshman seminar | 0 credits |
| All students must enroll in ETA 020 in their first two semesters on campus. | |
| ETA 020 Engineering Technology Seminar | 0 |

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| 2. Required major courses | 36 credits |
| CMST 102 Introduction to Computer Technology | 3 |
| CMST 103 Introduction to Program Design | 3 |
| CMST 130 Introduction to PC Administration | 3 |
| CMST 135 Web Page Development I | 3 |
| CMST 180 Introduction to Database Systems | 3 |
| CMST 250 Networking I | 3 |
| CMST 334 Computer Technology Project Development | 3 |
| CMST 335 Web Development Programming I | 3 |
| CMST 370 Applied Data Structures | 3 |
| CMST 420 Advanced Database Systems | 3 |
| CMST 460 Systems Analysis and Design | 3 |
| CMST 462 Computer Technology Senior Project | 3 |

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| 3. Computer Systems Technology Electives | 18 credits |
| Choose three courses from the one of the following lists: | |
| CMST 300 Assembly Language Programming | 3 |
| CMST 362 Introduction to Business Programming | 3 |
| CMST 363 Advanced Business Programming | 3 |
| CMST 410 Operating Systems | 3 |
| CMST 412 Software Architecture & Design | 3 |

OR

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| CMST 315 Networking II | 3 |
| CMST 344 Internetworking | 3 |
| CMST 350 UNIX Administration | 3 |
| CMST 410 Operating Systems | 3 |
| CMST 445 Network Security | 3 |

AND

Choose three additional courses not already taken from the Computer Systems Technology electives, from the programming language electives or from the following:

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| CMST 155 Web Page Development II | 3 |
| ECET 350 Microprocessor Fundamentals | 3 |

Other classes as approved by the CMST program coordinator

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| 4. Programming language electives | 9 credits |
| Choose one two-semester sequence plus one additional level-I course from the following list: | |

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| CMST 210 Visual Basic I | 3 |
| CMST 310 Visual Basic II | 3 |

OR

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| CMST 245 C++ Programming I | 3 |
| CMST 341 C++ Programming II | 3 |

OR

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| CMST 247 Java Programming I | 3 |
| CMST 347 Java Programming II | 3 |

Other requirements total 61 hours.

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| 5. Required non-major courses | 27 credits |
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| MATH 100 College Algebra | 3 |
| MATH 151 Applied Plane Trigonometry | 2 |
| MATH 220 Analytic Geometry & Calculus I | 4 |
| ♦ STAT 320 Elements of Statistics | 3 |
| ♦ BUS 251 Financial Accounting | 3 |
| ♦ BUS 252 Managerial Accounting | 3 |
| ENGL 302 Technical Writing | 3 |
| PHILO 105 Introduction to Critical Thinking | 3 |
| ♦ PHILO 390 Business Ethics | 3 |

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| 6. Common Degree Requirements | 8 credits |
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- All students pursuing a baccalaureate degree at K-State must take:
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| ENGL 100 Expository Writing I | 3 |
| ENGL 200 Expository Writing II | 3 |
| SPCH 105 Public Speaking IA | 2 |

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| 7. University General Education Courses (♦) | |
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All students pursuing a baccalaureate degree in the COTA must take 18 credits of approved UGE courses, at least 6 hours of which are at the 300 level or above and no more than 6 hours of which may have the same course number prefix.
BUS 251, 252, STAT 320 and PHILO 390 apply to this requirement.

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| 8. Additional Electives | 26 credits |
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Must include 2 UGE (♦) courses and 3 courses 300 level or above.

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| _____ Business Elective | 3 |
| _____ Business Elective ≥300 level | 3 |
| _____ Humanities/Social Science/Business | 3 |
| _____ Humanities/Social Science/Business ≥300 level | 3 |
| _____ Humanities/Social Science ≥300 level | 3 |
| _____ Humanities/Social Science | 3 |
| _____ Laboratory Science | 4 |
| _____ Laboratory Science | 4 |