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| NAME |  |
| EFFECTIVE DATE FALL 2018 GENERAL EDUCATION VERSION 2188 | |

KUTZTOWN

UNIVERSITY

DEGREE REQUIREMENTS

GENERAL EDUCATION

Student Learning Outcomes (SLO)

Upon completion of the requirements for the General Education Program, students will be able to:

- 1 communicate clearly and effectively orally and in writing.
- 2 apply scientific and quantitative reasoning to solve problems and increase knowledge.
- 3 apply skills in critical analysis and reasoning for the interpretation of data.
- 4 engage critically with creative or artistic works.
- 5 demonstrate the ability to retrieve, interpret, evaluate, and use information.
- 6 analyze the role of values, ethics, diversity, and multiple perspectives in local and global society.
- 7 demonstrate an understanding of various models for the development of the whole person.
- 8 explore concepts, ideas, and methods from a variety of disciplines.

Use this checklist to plan your degree program. Meet every semester with your academic advisor to be sure that you are taking courses that are required to attain the degree you are seeking. Discuss your goals and choose courses that will help you to attain them. Get the most out of your education by taking advantage of everything that Kutztown University has to offer.

TOTAL GENERAL EDUCATION CREDITS 42-45

FIND A FULL EXPLANATION OF THE GENERAL EDUCATION PROGRAM AT WWW.KUTZTOWN.EDU

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|---|--------------------|---------------------------|----|
| First Year Seminar: Discovering College | | CREDITS REQUIRED 3 | |
| THESE COURSES MEET SLO 5 & 7 | | CREDITS EARNED: | |
| COURSE NUMBER | COURSE NAME | GR | CR |
| FYS 100 | First Year Seminar | | |
| TRANSFER STUDENTS TRANSFERRING 30 CREDITS OR MORE AND NOT TRANSFERRING AN FYS OR FYE COURSE MAY SELECT ANY APPROVED GENERAL EDUCATION COURSE TO MEET THEIR FYS REQUIREMENT. | | | |
| TRANSFER ELECTIVE: | | | |

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|---------------|--|----------------------------|----|
| A | Communicating With And About the World | CREDITS REQUIRED 12 | |
| | THESE COURSES MEET SLO 1 & 5 | CREDITS EARNED: | |
| COURSE NUMBER | COURSE NAME | GR | CR |
| 1 | COMPOSITION 100 LEVEL CMP 1__ | | |
| 2 | COMPOSITION 200 LEVEL CMP 2__ | | |
| 3 | SPEAKING | | |
| 4 | ANY WRITING (A2) OR SPEAKING COURSE (A3) OR FROM THE APPROVED LIST | | |

COURSES IN CATEGORIES B, C & D MUST BE TAKEN OUTSIDE THE STUDENT'S MAJOR. THE MAJOR IS DEFINED AS THE PREFIX THAT IDENTIFIES THE MAJOR. CONCOMITANT REQUIREMENTS MAY BE TAKEN TO MEET GENERAL EDUCATION REQUIREMENTS.

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|---------------|--|---------------------------|----|
| B | Understanding Self & Others | CREDITS REQUIRED 9 | |
| | THESE COURSES MEET SLO 3 & 6 | CREDITS EARNED: | |
| COURSE NUMBER | COURSE NAME | GR | CR |
| 1 | | | |
| 2 | | | |
| 3 | | | |

| | | | |
|---------------|---|------------------------------|----|
| C | Understanding Science & Technology | CREDITS REQUIRED 9-12 | |
| | THESE COURSES MEET SLO 2 & 3 | CREDITS EARNED: | |
| COURSE NUMBER | COURSE NAME | GR | CR |
| 1 | SCIENTIFIC INQUIRY | | |
| 2 | QUANTITATIVE REASONING | | |
| 3 | ANY COURSE APPROVED FOR C1 OR C2 | | |

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|---------------|---|---------------------------|----|
| D | Understanding & Creating Ideas | CREDITS REQUIRED 9 | |
| | THESE COURSES MEET SLO 4 & 6 | CREDITS EARNED: | |
| COURSE NUMBER | COURSE NAME | GR | CR |
| 1 | | | |
| 2 | | | |
| 3 | | | |

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|-----------------|---------------------------|
| STUDENT: | STUDENT ID NUMBER: |
|-----------------|---------------------------|

MAJOR PROGRAM

| Required Courses | | |
|-----------------------------------|-----------|-------|
| COURSE | CR | GRADE |
| CSC 125: DISCRETE MATH FOR CS I | 3 | |
| CSC 225: DISCRETET MATH FOR CS II | 3 | |
| CSC 135: COMP SCI I | 3 | |
| CSC 136: COMP SCI II | 3 | |
| CSC 235: COMP ORG & ASSEMBLY LANG | 3 | |
| CSC 237: DATA STRUCTURES | 3 | |
| CSC 310: PROG. LANGUAGES | 3 | |
| CSC 328: NETWORK PROGRAMMING | 3 | |
| CSC 343: OPERATING SYSTEMS | 3 | |
| CSC 354: SOFTWARE ENGINEERING I | 3 | |
| CSC 355: SOFTWARE ENGINEERING II | 3 | |
| TOTAL CREDITS | 33 | |

| CS Elective Courses <small>0-9 CREDITS OF ADDITIONAL 200 LEVEL CSC COURSES, NOT PREVIOUSLY USED FOR ABOVE REQUIREMENTS, EXCLUDING CSC 280</small> | | |
|---|------------|-------|
| COURSE | CR | GRADE |
| | 3 | |
| | 3 | |
| | 3 | |
| TOTAL CREDITS | 0-9 | |

| More CS Elective Courses <small>9-18 CREDITS OF ADDITIONAL CSC COURSES, NUMBER 300 OR ABOVE AND NOT PREVIOUSLY USED FOR ABOVE REQUIREMENTS, EXCLUDING ANY COURSE NUMBERED CSC 87X AND CSC 380.</small> | | |
|--|-------------|-------|
| COURSE | CR | GRADE |
| | 3 | |
| | 3 | |
| | 3 | |
| | 3 | |
| | 3 | |
| TOTAL CREDITS | 9-18 | |

| Concomitant Courses | | |
|---|----------|-------|
| COURSE | CR | GRADE |
| MAT 260: LINEAR ALGEBRA | 3 | |
| MAT ELECTIVE (HIGHER THAN 181, NOT 224) | 3 | |
| NATURAL SCIENCE COURSE FOR A SCIENCE MAJOR ** | 3 | |
| TOTAL CREDITS | 9 | |

| Directed General Education <small>THE FOLLOWING COURSES ARE REQUIRED TO FULFILL THE COMPUTER SCIENCE REQUIREMENTS AND ARE SUGGESTED TO SATISFY GENERAL EDUCATION.</small> | | |
|---|--------------|-------|
| COURSE | G. E. | GRADE |
| PHI 40: INTRO TO ETHICS | B | |
| MAT 181: CALCULUS | C. 2 | |
| MAT 140 OR MAT 301: APPLIED STAT METHODS * | C. 3 | |
| NATURAL SCIENCE COURSE FOR A SCIENCE MAJOR ** | C. 1 | |
| TOTAL CREDITS | 13-14 | |

| Free Electives <small>ANY COURSE CARRYING UNIVERSITY CREDIT</small> | | |
|---|--------------|-------|
| COURSE | CR | GRADE |
| | | |
| | | |
| | | |
| | | |
| | | |
| TOTAL CREDITS | 15-18 | |

NOTE:

* STUDENTS MINORING IN MATH SHOULD TAKE MAT 301 (NOT MATH 140)

** STUDENTS MUST TAKE TWO SCIENCE COURSES INTENDED FOR A SCIENCE MAJOR. AT LEAST ONE OF THESE COURSES MUST INCLUDE A LAB.

CSC PREFIX COURSES BELOW 125 LEVEL, CSC 130, CSC 280, CSC 380, AND CSC 87X DO NOT COUNT TOWARD THE MAJOR REQUIREMENTS FOR A BS IN COMPUTER SCIENCE (THEY CAN COUNT IN FREE ELECTIVES ONLY).

INTERNSHIP – OPTIONAL (COUNTS IN FREE ELECTIVES)
 CSC 280: COOPERATIVE INTERNSHIP I (1-6 CREDITS)
 CSC 380: COOPERATIVE INTERNSHIP II (1-6 CREDITS)

INTERNAL TRANSFER: 2.25 GPA REQUIRED

| GRADUATION REQUIREMENTS | | | | | | | |
|-------------------------|---------------------------|--------------|---|--|------------------------------|-------------|--|
| | | REQUIRED | ✓ | | REQUIRED | ✓ | |
| | GENERAL EDUCATION CREDITS | 42-45 | | | COMPREHENSIVE EXAM (CSC 355) | PASS | |
| | PROGRAM CREDITS (MINIMUM) | 60 | | | MINIMUM QPA OVERALL | 2.0 | |
| | FREE ELECTIVES | 15-18 | | | MINIMUM QPA IN MAJOR | 2.25 | |
| | TOTAL CREDITS | 120 | | | | | |

Eight-Semester Planner

BS Computer Science

Version: 2188

Note: You may take no more than three 200-level courses.

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| <p>Semester I</p> <p>FYS CSC 135 MAT 181 CSC125 or General Education elective General Education elective</p> | <p>Semester II</p> <p>CSC 136 CSC elective CSC 125 or CSC225 MAT 182 or another MAT elective General Education elective</p> |
| <p>Semester III</p> <p>CSC 237 CSC 235 CSC 225 or General Education elective MAT 140 or 301 General Education elective</p> | <p>Semester IV</p> <p>CSC elective CSC elective MAT 260 Natural science elective Free elective</p> |
| <p>Semester V</p> <p>CSC 328 CSC 343 Natural science elective General Education elective Free elective</p> | <p>Semester VI</p> <p>CSC 310 CSC elective PHI 040 General Education elective Free elective</p> |
| <p>Semester VII</p> <p>CSC 354 CSC elective General Education elective General Education elective Free elective</p> | <p>Semester VIII</p> <p>CSC 355 CSC elective General Education elective Free elective Free elective</p> |