

COLLEGE OF SCIENCE AND TECHNOLOGY  
CALIFORNIA UNIVERSITY OF PENNSYLVANIA

BACHELOR OF SCIENCE IN APPLIED COMPUTER SCIENCE  
DISTRIBUTION SHEET

NAME Matt Yuvan

SOCIAL SECURITY NUMBER \_\_\_\_\_

GENERAL EDUCATION – 48 Credits

AREA OF CONCENTRATION – 80 Credits

Communication Skills – 12 Crs.

Cr. Gr.

|     |     |                               |   |   |
|-----|-----|-------------------------------|---|---|
| ENG | 101 | English Composition I         | 3 | A |
| ENG | 102 | English Composition II        | 3 | A |
| ENG | 217 | Science and Technical Writing | 3 | A |
| COM | 250 | Oral Communication Mgt.       | 3 | B |

Quantitative Skills – 6 Crs.

|     |     |                            |   |   |
|-----|-----|----------------------------|---|---|
| CSC | 120 | Prob. Solv. & Prog. Constr | 3 | A |
| MAT | 199 | Pre-Calculus               | 3 | B |

General Electives – 30 Crs.

Humanities – 6 Crs.

|     |     |                                |   |   |
|-----|-----|--------------------------------|---|---|
| PHI | 100 | Perspectives in Philosophy     | 3 | B |
| ART | 127 | Introduction to Graphic Design | 3 | A |

Social Sciences – 6 Crs.

|     |     |                              |   |   |
|-----|-----|------------------------------|---|---|
| ANT | 100 | Introduction to Anthropology | 3 | B |
| GEO | 100 | Introduction to Geography    | 3 | A |

Natural Sciences – 6 Crs.

|     |     |                               |   |   |
|-----|-----|-------------------------------|---|---|
| EAS | 100 | Introduction to Earth Science | 3 | A |
| PHS | 145 | Astronomy                     | 3 | A |

Free Electives – 12 Crs.

|     |     |                              |   |   |
|-----|-----|------------------------------|---|---|
|     |     | Comp Sci Elective Carry-over | 1 |   |
| UNI | 100 | First Year Seminar           | 1 | A |
| MAT | 181 | College Algebra              | 3 | B |
| FIN | 211 | Personal Money Management    | 3 | A |
| IST | 311 | Client – Server Programming  | 3 | A |
| CSC | 502 | Advanced Visual Programming  | 3 | B |

Management Minor – 21 Crs.

|     |     |                                    |   |   |
|-----|-----|------------------------------------|---|---|
| BUS | 100 | Introduction to Business           | 3 | A |
| ECO | 100 | Elements of Economics              | 3 | B |
| MGT | 201 | Principles of Management           | 3 | A |
| MGT | 205 | Entrepreneurial and Small Business | 3 | B |
| MGT | 301 | Organizational Behavior            | 3 | A |

Upper Level Management Electives (300 or above)

|     |     |                           |   |   |
|-----|-----|---------------------------|---|---|
| MGT | 352 | Human Resource Management | 3 | A |
| MGT | 362 | Labor Relations           | 3 | A |

Mathematics Courses – 12 Crs.

Cr Gr.

|     |     |                     |   |   |
|-----|-----|---------------------|---|---|
| MAT | 225 | Business Statistics | 3 | B |
| MAT | 272 | Discrete Math       | 3 | C |
| MAT | 273 | Basic Calculus      | 3 | B |
| MAT | 341 | Linear Algebra I    | 3 | C |

Required Computer Science Courses – 36 Crs.

|     |     |                               |   |   |
|-----|-----|-------------------------------|---|---|
| CSC | 218 | COBOL I                       | 3 | B |
| CSC | 223 | C Programming                 | 3 | B |
| CSC | 316 | Logic & Switching Theory      | 3 | A |
| CSC | 323 | Assembly Language Programming | 3 | B |
| CSC | 333 | Object Oriented Programming   | 3 | B |
| CSC | 377 | Information Structures        | 3 | B |
| CSC | 378 | Computer Architecture         | 3 | A |
| CSC | 396 | Software Engineering          | 3 | B |
| CSC | 400 | Operating Systems             | 3 | B |
| CSC | 405 | Data Communications           | 3 | A |
| CSC | 410 | LISP Programming              | 3 | A |
| CSC | 455 | Structures of Prog. Languages | 3 | B |

Elective Computer Science Courses – 11 Crs.

|     |     |                              |   |   |
|-----|-----|------------------------------|---|---|
| CSC | 202 | Visual Programming           | 3 | A |
| CSC | 224 | FORTTRAN                     | 3 | — |
| CSC | 318 | COBOL II                     | 3 | — |
| CSC | 324 | Computer Graphics            | 3 | A |
| CSC | 357 | Hypermedia and CAI           | 3 | — |
| CSC | 375 | Systems Analysis             | 3 | — |
| CSC | 419 | Internship*                  | — | — |
| CSC | 420 | Artificial Intelligence      | 3 | — |
| CSC | 424 | Numerical Analysis           | 3 | — |
| CSC | 456 | Data Base Management Syst.   | 3 | A |
| CSC | 460 | Language Translation         | 3 | — |
| CSC | 475 | Theory of Languages          | 3 | — |
| CSC | 485 | Special Topics of Comp. Sci. | 3 | B |

\*Maximum of 6 credits allowed.