

Bachelor of Applied Science in Technology Management

2025 - 2026

Student's Name: _____

Student's ID Number: _____

Faculty Advisor: **Trendon Ellis**

The Technology Management Bachelors of Science (BAS) program is designed to building upon an associate's degree in Software and Database Development, Network Administration, Cybersecurity, or Computer Programming. However, this degree is open to any student with an associate's degree, seeking to expand their technology and leadership skills. This degree completion prepares you to move into a supervisory or management position.

Communications (6 credits)

- | | |
|---|---|
| <input type="checkbox"/> ENC1101 English Composition I●+* | 3 |
| <input type="checkbox"/> ENC1101C Enhanced English Comp. I●+* | 4 |
| <input type="checkbox"/> ENC1102 English Composition II+* | 3 |
| <input type="checkbox"/> _____ | |

Humanities (9 credits)

One course each from Visual & Performing Arts, Philosophy/Religion, and Literature. At least one course must be a core course (●).

Humanities 1–Visual & Performing Arts

- | | |
|---|---|
| <input type="checkbox"/> ARH2000 Understanding Visual Arts● | 3 |
| <input type="checkbox"/> ARH2050 Art History I | 3 |
| <input type="checkbox"/> ARH2051 Art History II | 3 |
| <input type="checkbox"/> ARH2060 History of Architecture | 3 |
| <input type="checkbox"/> MUL2010 Understanding Music● | 3 |
| <input type="checkbox"/> MUL2110 Survey of Music Literature | 3 |
| <input type="checkbox"/> THE2000 Understanding Theater● | 3 |
| <input type="checkbox"/> _____ | 3 |

Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- | | |
|--|---|
| <input type="checkbox"/> HUM2020 Introduction to Humanities●+* | 3 |
| <input type="checkbox"/> PHI2010 Introduction to Philosophy●+* | 3 |
| <input type="checkbox"/> PHI2600 Ethics+* | 3 |
| <input type="checkbox"/> REL2121 Intro. to Religion in America+* | 3 |
| <input type="checkbox"/> REL2300 Religions of the World+* | 3 |
| <input type="checkbox"/> _____ | 3 |

Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

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|--|---|
| <input type="checkbox"/> AML2010 Amer. Lit. through Civil War+* | 3 |
| <input type="checkbox"/> AML2020 Amer. Lit. Reconst.–Present+* | 3 |
| <input type="checkbox"/> ENG2111 Literature and Film+* | 3 |
| <input type="checkbox"/> ENL2012 Eng. Lit. through 18th Century+* | 3 |
| <input type="checkbox"/> ENL2022 Eng. Lit.: Romanticism to Present+* | 3 |
| <input type="checkbox"/> LIT2000 Literature and Culture●+* | 3 |
| <input type="checkbox"/> LIT2040 World Drama+* | 3 |
| <input type="checkbox"/> LIT2090 Contemporary Literature+* | 3 |
| <input type="checkbox"/> LIT2110 World Lit.: Ancient–Renaissance+* | 3 |
| <input type="checkbox"/> LIT2120 World Lit.: Enlightenment–Present+* | 3 |
| <input type="checkbox"/> _____ | 3 |

Mathematics (6 credits)

Two courses from Mathematics.

At least one course must be either MAC1105 or STA2023.

- | | |
|--|---|
| <input type="checkbox"/> MGF1107 Survey of Mathematics+* | 3 |
| <input type="checkbox"/> MGF1130 Mathematical Thinking●+* | 3 |
| <input type="checkbox"/> STA2023 Statistics●+* | 3 |
| <input type="checkbox"/> STA2122 Statistical Applications+* | 4 |
| <input type="checkbox"/> MAC1105 College Algebra●+* | 3 |
| <input type="checkbox"/> MAC1114 Plane Trigonometry+* | 3 |
| <input type="checkbox"/> MAC1140 Pre-Calculus Algebra+* | 3 |
| <input type="checkbox"/> MAC2233 Business Calculus+* | 3 |
| <input type="checkbox"/> MAC2311 Calculus with Geometry I●+* | 4 |
| <input type="checkbox"/> _____ | |

Natural Sciences (6 credits)

One course each from Physical Sciences and Biological Sciences. At least one course must be a core course (●).

Physical Sciences

- | | |
|---|---|
| <input type="checkbox"/> AST1002 Descriptive Astronomy● | 3 |
| <input type="checkbox"/> CHM1025 Intro. to General Chemistry+ | 3 |
| <input type="checkbox"/> CHM1032 General, Organic, Biochemistry+ | 3 |
| <input type="checkbox"/> CHM1045 General Chemistry●+* | 3 |
| <input type="checkbox"/> ESC2000 Earth & Space Science Survey● | 3 |
| <input type="checkbox"/> EVR1001 Intro. to Environmental Science● | 3 |
| <input type="checkbox"/> GLY1010 Physical Geology● | 3 |
| <input type="checkbox"/> GLY1032 Natural Disasters | 3 |
| <input type="checkbox"/> OCE1001 Fundamentals of Oceanography● | 3 |
| <input type="checkbox"/> PHY1020 Basic Concepts of Physics● | 3 |
| <input type="checkbox"/> PHY1023 Survey of General Physics+ | 3 |
| <input type="checkbox"/> PHY2048 University Physics I●+* | 4 |
| <input type="checkbox"/> PHY2053 College Physics I●+* | 3 |

Biological Sciences

- | | |
|--|---|
| <input type="checkbox"/> BOT2800 Plants & Society | 3 |
| <input type="checkbox"/> BSC1005 General Biological Science● | 3 |
| <input type="checkbox"/> BSC1020 Human Biology | 3 |
| <input type="checkbox"/> BSC2010 Biology for Science Majors I●+* | 3 |
| <input type="checkbox"/> BSC2085 Anatomy & Physiology I●+* | 3 |
| <input type="checkbox"/> BSC2311 Introduction to Marine Biology | 3 |

Social Sciences (9 credits)

One course each from Behavioral Sciences, History, and Government. At least one course must be a core course (●).

Behavioral Sciences

- | | |
|--|---|
| <input type="checkbox"/> ANT2000 Introduction to Anthropology● | 3 |
| <input type="checkbox"/> ECO2013 Principles of Economics, Macro● | 3 |
| <input type="checkbox"/> PSY2012 General Psychology● | 3 |
| <input type="checkbox"/> GEA1000 World Regional Geography | 3 |
| <input type="checkbox"/> SYG2000 Principles of Sociology | 3 |

History

Global

- | | |
|--|---|
| <input type="checkbox"/> EUH1000 Western Civilization I | 3 |
| <input type="checkbox"/> EUH1001 Western Civilization II | 3 |
| <input type="checkbox"/> WOH2012 World History I | 3 |
| <input type="checkbox"/> WOH2022 World History II | 3 |

U.S.

- | | |
|---|---|
| <input type="checkbox"/> AMH2010 United States History I●@ | 3 |
| <input type="checkbox"/> AMH2020 United States History II●@ | 3 |

Government

Global

- | | |
|---|---|
| <input type="checkbox"/> CPO2002 Comparative Government | 3 |
|---|---|

U.S.

- | | |
|--|---|
| <input type="checkbox"/> POS2041 American Nat'l Government●@ | 3 |
| <input type="checkbox"/> POS2112 State & Local Government | 3 |

AA or AS Technical Requirements (30 Credits)

- | | |
|--|---|
| <input type="checkbox"/> CIS2321 System Analysis & Design+ | 3 |
| <input type="checkbox"/> CTS1111 Linux+(plus)* | 3 |
| <input type="checkbox"/> CTS1650 Network Fundamentals* | 3 |
| <input type="checkbox"/> COP2700 Data Structure (SQL) | 3 |
| <input type="checkbox"/> CGS1103 Project Mgmt. Concepts & Process. | 3 |
| <input type="checkbox"/> CTS2145Cloud Essentials+* | 3 |
| <input type="checkbox"/> CTS1120 Security+(plus)+* | 3 |
| <input type="checkbox"/> COP1000 Intro. to Programming Logic | 3 |
| <input type="checkbox"/> DIG2100 Web Design I | 3 |
| <input type="checkbox"/> CGS1570 Microcomputer Applications | 3 |

Technology Management Core (36 Credits)

- | | |
|---|---|
| <input type="checkbox"/> GEB3213 Bus. Comm. for Prof. Effectiveness+* | 3 |
| <input type="checkbox"/> FIN4300 Financial Management+ | 3 |
| <input type="checkbox"/> MAN3303 Princ. Management & Leadership+ | 3 |
| <input type="checkbox"/> MAN3503 Man. Risk Analysis Decis.-Making+ | 3 |
| <input type="checkbox"/> MAN4520 Quality Management (Six Sigma)+ | 3 |
| <input type="checkbox"/> ISM4548 Web Analytics+ | 3 |
| <input type="checkbox"/> ISM4318 Agile Project Management+ | 3 |
| <input type="checkbox"/> ISM4302 Emerging Technology+ | 3 |
| <input type="checkbox"/> ISM3013 Intro. Inform. Syst. Management+ | 3 |
| <input type="checkbox"/> ISM4330 Inform. Sec. Policy Admin. & Man.+ | 3 |
| <input type="checkbox"/> CGS3092 Legal and Ethical Issues+ | 3 |
| <input type="checkbox"/> MAN4900 Capstone Project+ | 3 |

Software Development Specialization (18 Credits)

- | | |
|---|---|
| <input type="checkbox"/> COP2250 Java Programming I+* | 3 |
| <input type="checkbox"/> COP2701 Database Design & Mgmt.+* | 3 |
| <input type="checkbox"/> COP2840 Internet Programming+ | 3 |
| <input type="checkbox"/> COP4864 Client-Side Programming+ | 3 |
| <input type="checkbox"/> CIS4433 SecDevOps+ | 3 |
| <input type="checkbox"/> COP3834 Dev. Websites using PHP MySQL+ | 3 |

CyberSecurity Management Specialization (18 Credits)

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|---|---|
| <input type="checkbox"/> CTS1390 Install. & Config. Windows Serv.+ | 3 |
| <input type="checkbox"/> CIS2352 Ethical Hacking+ | 3 |
| <input type="checkbox"/> CTS1651 Cisco Rout. Tech/Rout. Prot. Conc.+ | 3 |
| <input type="checkbox"/> ISM4323 Network Security Management+ | 3 |
| <input type="checkbox"/> CIS4200 Penet. Test. & Vulnerability Analysis+ | 3 |
| <input type="checkbox"/> CIS3122 CyberSecurity Analyst+ | 3 |

Other Requirements

☐ General Education Core Requirement

Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

☐ Civic Literacy Requirement (@)

Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 **AND** passing score on civic literacy exam (FCLE)

☐ Foreign Language Requirement

Successful completion of 2 years of high-school-level foreign language or 2 semesters of college-level foreign language

Key

- = General Education Core course
- + = Prerequisite or co-requisite required
- * = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement

Notes