

TECHNOLOGY MANAGEMENT

Bachelor of Applied Science

The B.A.S. Technology Management degree prepares students to gain long-term career positions in the fields of information technology or technology management. Students have the opportunities to gain knowledge of advanced concepts of technology in the areas of computer networking, Linux operating systems, computer programming, network security, database administration, web development, and hardware maintenance, as well as the managerial experience to oversee projects in each area. Courses within the B.A.S. degree also prepare students to gain advanced certifications in managerial and technological subjects, giving students improved opportunities to gain beneficial employment assignments or land promotions within their current professions.

Area A: Essential Areas

ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1111	College Algebra	3

Area B: Institutional Options

COMM 1110	Fundamentals of Speech	3
One of the following electives:		1

COMM 1120	Argumentation and Advocacy	
ENGL 1105	Intro to Greek Mythology	
ENGL 1110	Creative Writing	
GEOL 1000	Natural Hazards	
HIST 1050	Appalachian Hist-Special Topic	
HIST 1051	Sports Hist & Amer Character	
HLTH 1030	Health and Wellness Concepts	
HUMN 1000	Mystery Fiction in Pop Culture	
HUMN 1100	Political and Social Rhetoric	
HUMN 1300	Christian Fiction/Pop Culture	
SOCI 1000	Race and Ethnicity in America	
PRSP Elective (See advisor)		

Area C: Humanities/Fine Arts

Choose one to two ENGL course(s):		3-6
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ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
ENGL 2120	British Literature I	
ENGL 2121	British Literature II	
ENGL 2130	American Literature I	
ENGL 2131	American Literature II	
ENGL 2201	Intro to Film as Literature	

If only one ENGL course chosen, add one of the following:		0-3
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ARTS 1100	Art Appreciation	
HUMN 1201	Expressions of Culture I	
HUMN 1202	Expressions of Culture II	
MUSC 1100	Music Appreciation	
MUSC 1110	World Music	
MUSC 1120	American Music	
THEA 1100	Theatre Appreciation	

Area D: Science/Mathematics/Technology

Eight Credit Hours of Lab Science Electives:		8
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ASTR 1010 & 1010L	Astronomy of the Solar System and Astronomy of Solar Sys. Lab	
ASTR 1020 & 1020L	Stellar and Galactic Astronomy and Stellar & Galac. Astronomy Lab	
BIOL 1105K	Environmental Studies	
BIOL 1107K	Principles of Biology I	
BIOL 1108K	Principles of Biology II	
BIOL 1203K	Principles of Botany	
BIOL 1224K	Entomology	
CHEM 1151K	Survey of Chemistry	
CHEM 1211K	Principles of Chemistry I	
CHEM 1212K	Principles of Chemistry II	
GEOL 1121K	Principles of Geology	
GEOL 1122K	Historical Geology	
GEOL 1131K	Geology & the Environment	
PHYS 1111K	Introductory Physics I	
PHYS 1112K	Introductory Physics II	
PHYS 2211K	Principles of Physics I	
PHYS 2212K	Principles of Physics II	
MATH 1401	Elementary Statistics	3

Area E: Social Science

HIST 2111 or HIST 2112	United States History to 1877 United States Hist since 1877	3
POLS 1101	American Government	3

Two of the following electives:		6
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ANTH 1103	Intro to Cultural Anthropology	
GEOG 1100	Introduction to Geography	
GEOG 1101	Intro to Human Geography	
GEOG 1111	Intro to Physical Geography	
HIST 1111	World Civilization to 1500 CE	
HIST 1112	World Civilization since 1500	
HIST 2111	United States History to 1877	
HIST 2112	United States Hist since 1877	
PHIL 1103	Intro to World Religions	
PHIL 2010	Intro to Philosophical Issues	
PHIL 2020	Logic and Critical Thinking	
POLS 2101	Intro to Political Science	
POLS 2201	State and Local Government	
POLS 2301	Comparative Politics	
POLS 2401	International Relations	
PSYC 1101	Introduction to Psychology	
PSYC 2101	Psychology of Adjustment	
PSYC 2103	Human Development	
SOCI 1101	Introduction to Sociology	
SOCI 1160	Social Problems	

Technical Credits:

CAPS 1140	Microcomputer Operating System	3
CAPS 1145	Introduction to Networks	3
CAPS 1152	Linux	3
CAPS 1270	Routing & Switching Essentials	3
CAPS 1276	Scaling Networks	3
CAPS 1277	Connecting Networks	3

Electives (must be approved by department chair)	21
Technology Management Core:	
ITEC 3251	Linux II 3
MGIS 3351	Principles Mgmt Info Systems 3
MGIS 3352	Management Application Prog I 3
MGIS 3353	Management Applications Programming II 3
MGIS 3356	Database Management Systems 3
MGIS 3390	Management of IS Security 3
MGIS 4701	Systems Analysis & Design 3
Upper Level Electives:	
Choose two ITEC Electives:	6
ITEC 3361	CCNP R&S ROUTE
ITEC 3362	CCNP R&S SWITCH
ITEC 4800	Special Topics in ITEC
ITEC 4900	Internships in ITEC
Choose four electives:	12
COMM 3301	Communication for Prof Setting
ITEC 3361	CCNP R&S ROUTE
ITEC 3362	CCNP R&S SWITCH
ITEC 4361	CCNP R&S SHOOT
ITEC 4800	Special Topics in ITEC
ITEC 4900	Internships in ITEC
MGIS 3354	Telecommunications Management
MGIS 4358	Web-based MIS
MGIS 4360	Databases:Big Data & Analytics
MNGT 3051	Principles of Management
Total Hours	120