OZARKS TECHNICAL COMMUNITY COLLEGE

Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

Catalog Year: 2021-2022

FINISH IN 4 GO BEARS!

OTC Associate of Science ITC to
MSU Bachelor of Science in Information Technology
(Cybersecurity Track)

The following is a guide to graduation with completion of OTC's Associate of Science Information Technology and MSU's Bachelor of Science in Information Technology degree.
The degree may be completed on campus or online.
The Information Technology degree is a comprehensive major meaning it does not require completion of a minor.

OTC Year 1 Semester 1

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE					CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Program Specific Course	CIS 120	Introduction to Computer Programming					3	CSC 130		
Program Specific Course	NET 107	Computer and Network Hardware					3	ITC 235		✔
Program Specific Course	NET 108	Operating Systems and Software					3	ITC 000		
Program Specific Course	CIS 101 ❍	Technology and Digital Literacy					3	ITC 200		✔
Mathematical Sciences *3 credit hours*	Choose one: ❍✧ MTH 130 MTH 131 MTH 140 MTH 214 MTH 230 MTH 241 MTH 130S MTH 138 MTH 141 MTH 215 MTH 240						3-5	Varies	✔	✔
						Semester 1 Total	15-17			

OTC Year 1 Semester 2

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE					CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Program Specific Course	CIS 170	Java Programming I					3	ITC 260		✔
Program Specific Course	CIS 201	Computer Apps for Business					3	ITC 201		✔
Written Communications *3 credit hours*	Choose one: ❍ ENG 100 Composition I with Support ENG 101 Composition I						3-5	ENG 110	✔	✔
Natural Sciences *8 credit hours for A.S.* (Must choose one BIO course and one CHM or PHY course)	Choose one: BIO 100 BIO 160 CHM 160❏ PHY 110 PHY 120 BIO 105 CHM 101 PHY 105 PHY 115 PHY 220						4-5	Varies	✔	
Program Specific Course	BUS 140 ❍	Business Communications					3	MGT 286		✔
						Semester 2 Total	16-19			

OTC Year 2 Semester 3

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE				CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Social/Behavioral Sciences *12 credit hours for A.S.* (Must fulfill 2 disciplines)	ECO 270 ❍	Macroeconomics				3	ECO 155	✔	✔
Program Specific Course	CIS 250 ❍	Database and Query				3	ITC 295		✔
Program Specific Course	ACC 220 ❍	Principles of Accounting				3	ACC 201		✔
Program Specific Course *Core 42 elective*	MTH 210 ❍	Statistical Methods				3	QBA 237	✔	✔
Oral Communications *3 credit hours*	COM 105 ❍	Public Speaking				3	COM 115	✔	✔
Social/Behavioral Sciences *12 credit hours for A.S.* (Civics requirement)	Choose one: PLS 101 HST 120 HST 130					3	Varies	✔	
					Semester 3 Total	18			

OTC Year 2 Semester 4

REQUIREMENT DESCRIPTION	OTC COURSE ID	TITLE					CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Program Specific Course	ACC 225 ❍	Managerial Accounting					3	ACC 211		✔
Social/Behavioral Sciences *12 credit hours for A.S.* (Must fulfill 2 disciplines)	PSY 110 ❍	Introduction to Psychology					3	PSY 121	✔	✔
Program Specific Course	CIS 230 ❍	Systems Analysis and Design					3	ITC 388		✔
Social/Behavioral Sciences *12 credit hours for A.S.* (Must fulfill 2 disciplines)	ECO 275 ❍	Microeconomics					3	ECO 165	✔	✔
Natural Sciences *8 credit hours for A.S.* (Must choose one BIO course and one CHM or PHY course)	Choose one: BIO 100 BIO 160 CHM 160❏ PHY 110 PHY 120 BIO 105 CHM 101 PHY 105 PHY 115 PHY 220						4-5	Varies	✔	
					Semester 4 Total		16-17	*Total Hours Applied Toward MSU Major/Business Admission Requirements:*		48
					Total Hours at OTC		65-71			

❍ Fulfills a College of Business admission requirement   ✶ One credit hour course   ▲ May choose only one, falls under MOTR code 'PERF'

⋏ Options listed fulfill the MSU Globalization requirement, see page 2 for more information.   ✧ Must obtain a "C" or better

❏ Must be taken with CHM 161 to count as a lab course. In order to fulfil the Core 42 Natural Science requirement, students must complete at least one lab course.

Missouri State
UNIVERSITY

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Catalog Year: 2021-2022

MSU Bachelor of Science in Information Technology
(Cybersecurity Track)
after OTC Associate of Science in Information Technology

MSU Year 3 Semester 1

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE									CREDIT HOURS
COB Admission Requirement	LAW 231	Legal Environment of Business									3
Core 42 Requirement	Choose one MOTR coded course to fulfill CORE 42 requirement										1
Major Requirement	ITC 330	Introduction to Networking									3
Written Communication	**Choose one:**										3
	ENG 210	Writing II: Writing Across the Disciplines									
	ENG 221	Writing II: Writing for the Professions									
Humanities & Fine Arts/COB Globalization *9 credit hours for CORE 42*	**Choose one:**										3
	ENG 341	Survey of English Literature II									
	MUS 239	Introduction to World Music									
	REL 210	Paths of World Religions									

Humanities & Fine Arts *9 credit hours for CORE 42* (may only choose 3 total credits from PERF codes) — **Choose one:** — *May only choose 3 c.h. from below:* — Credit Hours **3**

ART 200	MUS 347	PHI 110	REL 102	SPN 101	ITL 101	CSD 330	JPN 102	ENG 200	ENG 289	MUS 175	ART 115
ART 271	MUS 100	PHI 105	REL 101	SPN 102	JPN 101	ARB 102	KOR 102	ENG 350	ENG 282	MUS 178	ENG 215
ART 272	MUS 345	PHI 111	ARB 101	KOR 101	CHI 102	PTG 101	GRM 102	ENG 351	ENG 362	MUS 162	ENG 205
MED 274	MUS 346	REL 100	FRN 101	CHI 101	PTG 101	GRM 102	RUS 102	ENG 340	LLT 121	MUS 176	ENG 203
MUS 241	MUS 346	REL 210	FRN 102	GRM 101	RUS 101	ITL 102	CSD 331	ENG 341		ART 212	

Semester 1 Total   16

MSU Year 3 Semester 2

Humanities & Fine Arts *9 credit hours for CORE 42* (may only choose 3 total credits from PERF codes) — **Choose one:** — *May only choose 3 c.h. from below:* — Credit Hours **3**

ART 200	MUS 347	PHI 110	REL 102	SPN 101	ITL 101	CSD 330	JPN 102	ENG 200	ENG 289	MUS 175	ART 115
ART 271	MUS 100	PHI 105	REL 101	SPN 102	JPN 101	ARB 102	KOR 102	ENG 350	ENG 282	MUS 178	ENG 215
ART 272	MUS 239	PHI 115	THE 101	ARB 101	KOR 101	CHI 102	PTG 102	ENG 351	ENG 362	MUS 162	ENG 205
MED 274	MUS 345	REL 100	FRN 101	CHI 101	PTG 101	GRM 102	RUS 102	ENG 340	LLT 121	MUS 176	ENG 203
MUS 241	MUS 346	REL 210	FRN 102	GRM 101	RUS 101	ITL 102	CSD 331	ENG 341		ART 212	

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	FIN 380	Financial Management	3
Major Requirement	MGT 340	Principles of Management	3
Option Requirement *12 credit hours required*	**Choose one:** ITC 560 ITC 564 ITC 566 ITC 563 ITC 565 ITC 494 (1-3)		3

Semester 2 Total   12

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	MKT 350	Principles of Marketing	3
General Elective	Work with your MSU advisor to identify courses that will complement your specific career goals.		2
Major Requirement	ITC 430	Advanced Networking	3
Option Requirement *12 credit hours required*	**Choose one:** ITC 560 ITC 564 ITC 566 ITC 563 ITC 565 ITC 494 (1-3)		3
Major Requirement	MKT 364	Operations Management	3

Semester 3 Total   14

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE	CREDIT HOURS
Major Requirement	ITC 429	Information Systems with Business Intelligence	3
Option Requirement *12 credit hours required*	**Choose one:** ITC 560 ITC 564 ITC 566 ITC 563 ITC 565 ITC 494 (1-3)		3
Option Requirement *12 credit hours required*	**Choose one:** ITC 560 ITC 564 ITC 566 ITC 563 ITC 565 ITC 494 (1-3)		3
Major Requirement	MGT 487	Strategic Management and Policy	3
Major Requirement	LAW 332	Debtor and Creditor Rights and Remedies	1

Semester 4 Total	**13**
Total Hours at MSU	**55**
Total Hours Overall	**120-126**

** Electives provide the opportunity to customize your degree program. Some elective credits may or may not be needed to bring total credit hours to a minimum of 120 credit hours and upper division hours (300+) to 40.

Important notes about this MSU major:

⚲ Globalization requirement – May be met by completing one of the following options: Completion of a full-semester of study away experience; Completion of three hours of the SAME foreign language as above noted; Completion of a study abroad internship; Completion of an international short-term MSU faculty-led program; Completion of three hours of foreign culture courses as above noted. The study away, study abroad internship and faculty-led program options require preapproval.

- Students must get a "C" or higher, in College Algebra (OTC's MTH 130), if ACC 201 & QBA 237 are taken at MSU.
- Admission to the College of Business is separate from admission to the University. Students must have completed at least 54 hours (MSU and/or transfer), have at least a 2.50 cumulative GPA (MSU and/or transfer GPA), and completion of at least 10 of the 12 admission courses ⟲denoted above. Up to two of the above ⟲denoted admission courses may be completed during the semester of admission; however, students should make every effort to complete all of the ⟲denoted courses prior to admission to the College of Business.

> GPA requirements include a minimum 2.00 Missouri State GPA and a minimum 2.50 combined GPA
> to apply for admission to the College of Business.

This information is provided as a guide only.

- OTC students are strongly encouraged to meet with their major specific MSU transfer advisor early in their OTC education to discuss the most appropriate OTC coursework for their intended MSU major, MSU degree requirements, etc.
- Students are required to fulfill MSU graduation and GPA requirements to receive a degree and should consult with their MSU advisor and the MSU undergraduate catalog for details, as there may exist pre-requisite requirements as well as periodicity limitations that could affect scheduling sequences.
- Please note that transfer students from Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after an absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred (e.g., OTC).