OZARKS TECHNICAL COMMUNITY COLLEGE

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

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

Catalog Year: 2020-2021

FINISH IN 4 — GO BEARS! Missouri State

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.

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 215 MTH 240 MTH 130S MTH 138 MTH 141 MTH 230 MTH 241		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 ENG 101	Composition I with Support 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 105 PHY 115 PHY 220 BIO 105 CHM 101 PHY 101 PHY 110 PHY 120		4	Varies	✔	
Program Specific Course	BUS 140 ❍	Business Communications	3	MGT 286		✔
		Semester 2 Total	**16-18**			

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:** HST 120 HST 130 PLS 101	U.S. History I: to 1865 U.S. History II: 1865-Present American Government and Politics	3	HST 121 HST 122 PLS 101	✔	
		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 105 PHY 115 PHY 220 BIO 105 CHM 101 PHY 101 PHY 110 PHY 120		4	Varies	✔	
		Semester 4 Total	**16**	*Total Hours Applied Toward MSU Major/Business Admission Requirements:*		
		Total Hours at OTC	**65-69**			*48-52*

❍ 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

Missouri State
UNIVERSITY

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

Catalog Year: 2020-2021

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: ENG 210 ENG 221	Writing II: Writing Across the Disciplines Writing II: Writing for the Professions		3
Humanities & Fine Arts/COB Globalization *9 credit hours for CORE 42*	Choose one: ENG 341 MUS 239 REL 210	Survey of English Literature II Introduction to World Music Paths of World Religions		3
Humanities & Fine Arts *9 credit hours for CORE 42* (may only choose 3 total credits from PERF codes)	Choose one: ART 200 MUS 347 PHI 110 REL 102 SPN 101 ITL 101 CSD 330 JPN 102 ENG 200 ENG 289 ART 271 MUS 100 PHI 105 REL 101 SPN 102 JPN 101 ARB 102 KOR 102 ENG 350 ENG 282 ART 272 MUS 239 PHI 115 THE 101 ARB 101 KOR 101 CHI 102 PTG 102 ENG 351 ENG 362 MED 274 MUS 345 REL 100 FRN 101 CHI 101 PTG 101 GRM 102 RUS 102 ENG 340 LLT 121 MUS 241 MUS 346 REL 210 FRN 102 GRM 101 RUS 101 ITL 102 CSD 331 ENG 341		May only choose 3 c.h. from below: MUS 175 ART 115 MUS 178 ENG 215 MUS 162 ENG 205 MUS 176 ENG 203 ART 212	3
			Semester 1 Total	**16**

MSU Year 3 Semester 2

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE		CREDIT HOURS
Humanities & Fine Arts *9 credit hours for CORE 42* (may only choose 3 total credits from PERF codes)	Choose one: ART 200 MUS 347 PHI 110 REL 102 SPN 101 ITL 101 CSD 330 JPN 102 ENG 200 ENG 289 ART 271 MUS 100 PHI 105 REL 101 SPN 102 JPN 101 ARB 102 KOR 102 ENG 350 ENG 282 ART 272 MUS 239 PHI 115 THE 101 ARB 101 KOR 101 CHI 102 PTG 102 ENG 351 ENG 362 MED 274 MUS 345 REL 100 FRN 101 CHI 101 PTG 101 GRM 102 RUS 102 ENG 340 LLT 121 MUS 241 MUS 346 REL 210 FRN 102 GRM 101 RUS 101 ITL 102 CSD 331 ENG 341		May only choose 3 c.h. from below: MUS 175 ART 115 MUS 178 ENG 215 MUS 162 ENG 205 MUS 176 ENG 203 ART 212	3
Major Requirement	FIN 380	Financial Management		3
Major Requirement	MGT 340	Principles of Management		3
Major Requirement	MKT 350	Principles of Marketing		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	**15**

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID	TITLE		CREDIT HOURS
General Elective	Work with your MSU advisor to identify courses that will complement your specific career goals.			3
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	**12**

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	**56**
			Total Hours Overall	**121-125**

** 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. *Courses are Admission Requirements to MSU's College of Business.

- 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).