

## BACHELOR OF INFORMATION TECHNOLOGY, 2019-2020

For more information about policies and requirements, please see the [UMKC 2019-20 Catalog](#).

### FIRST YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
Anchor I Reasoning & Values Recommend: ANCH 150 Computing, Engineering & Society	3	Anchor II Culture & Diversity	3
DISC 100 Discourse I	3	DISC 200 Discourse II	3
CS 101 Problem Solving & Programming I	3	CS 191 Discrete Structures I	3
CS 101L Problem Solving & Programming I Lab	1	STAT 235 Elementary Statistics (FOCUS Elective)	3
MATH 210 Calculus I (FOCUS B)	4	FOCUS A Arts & Humanities	3
<b>TOTAL</b>	<b>14</b>	<b>TOTAL</b>	<b>15</b>

### SECOND YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
CS 201R Problem Solving & Programming II	3	ACCT 210 Intro to Financial Accounting	3
CS 201L Problem Solving & Programming II Lab	1	CS 303 Data Structures	3
CS 281R Computer Architecture & Organization	3	IT 222 Multimedia Production & Concepts	3
CS 291 Discrete Structures II	3	Life Science Elective*	3-5
ECON 202 Intro to Economics II	3	FOCUS C, Human Actions, Values & Ethics Recommend: HIST 101, 102, or POLS-SCI 210 to fulfill the Constitution Requirement	3
General Elective	3		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15-17</b>

### THIRD YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
ANCH 308 (CS 304WI) Ethical Issues-Computing & Engineering	3	BUS 3XX/4XX Business Elective	3
DISC 300 Discourse III	3	CS 371 OR 470 Database Design or Management	3
CS 431 Operating Systems	3	DSOM 326 Production/Operations Management	3
IT 321 Intro to Computer Resources Administration	3	IT 3XX/4XX IT Specialty Elective	3
MKT 324 Marketing Concepts	3	Physical Science Elective*	3-5
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>15-17</b>

### FOURTH YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
CS 420 OR 421A Networking & Applications or Data Networks	3	CS 451R Software Engineering	3
CS 449 Fundamentals of Software Engineering	3	CS 3XX/4XX CS-ECE-IT Elective	3
CS 456 Human Computer Interface	3	IT 491 Internship	3
BUS 3XX/4XX Business Elective	3	General Elective (credits to reach 120 total)	3
IT 3XX/4XX IT Specialty Elective	3		
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>12</b>

**Total Credits to Graduate: 120**

\*One of the science courses must have a lab.