

## Transfer Agreement

Murray State University  
Bachelor of Science  
Telecommunications Systems  
Management and

Kentucky



# Transfer Agreement

Murray State University

Bachelor of Science ± Telecommunications Systems Management

and

Kentucky Community and Technical College System ± Associate in Arts ± General Education Certification

University 6 W X G L H V I R U 0 6 8 ¶ V 2 H 6 0 ± K T C S General Education Core (Total 40 Hrs.)

Murray State University	KCTCS
Oral and Written Communication (7 Hours)	Communication (9 Hours)
ENG105 ± Critical Reading, Writing, and Inquiry (4)	ENG101 ± Writing I (3) and ENG102 ± Writing II (3)
COM161 ± Basic Public Speaking (3)	COM181 ± Basic Public Speaking (3)
Global Awareness, Cultural diversity, and the : R U O G ¶ V \$ U W L V W L F 7 U D G	Humanities Courses ± Humanities (3 Hours)
ANY COURSE IN CATEGORY (3)	Any KCTCS Course in this Category
See pages 4 and 5 for courses that can be used to meet the Global Awareness Category	
Scientific Inquiry Methodologies & Quantitative (13 Hours)	Quantitative Reasoning Courses and Natural Science Cou with a Lab (10 Hours)
MAT140 ± College Algebra (4)	MAT150 ± College Algebra (3) OR MAT126 ± Technical Algebra & Trigonometry (3)

PHY125 ±

### Technical Core (57 Hours)

#### MSU TSM Technical Courses matched to KCTCS Technical Courses.

These courses are not articulated course to course, however, are accepted as a block into the program.

TSM134 ±Intro to TSM	(2)	CIT111 ±Computer Hardware and Software	(4)
TSM135 ±Intro to Network Technology	(2)	CIT150 ±Internet Technologies (Preferred)	(3) OR
TSM232 ±Network Operating Systems	(3)	CIT155 ±Web Page Development	(3) O
TSM233 ±Network Services	(3)	CIT157 ±Web Site Design and Production	(3)
TSM241 ±Networking Fundamentals	(3)	CIT180 ±Security Fundamentals	(3)
		CIT291 ±Capstone	

CIS307 ±Database Design & Implementation (3)

CSC232 ±Programming in C# (3)

Program Technical Electives(21 Total Hours = 12 hours from KCTCS + 09 hours from MSU)

12 of KCTCS courses listed below will meet 12 hours of TSM Electives

- x Networking Administration Track and Networking Electives
  - o CIT212, CIT213, CIT214, CIT215, CIT 216, CIT261, CIT264 (Microsoft Windows Administration Specialization)
    - f Electives: CIT217, CIT218, CIT219, CIT260, CIT261, CIT262, CIT264, CIT265, CIT266
  - o CIT161, CIT167, CIT209, CIT212 (Cisco Networking Associate Specialization)
    - f Electives: Approved CIT Technical Courses
- x Information Security Track and Elective Courses
  - o CIT180, CIT182, CIT184, CIT217
    - f Electives: CIT284, CIT 285, CIT286, CIT287, CIT 288
- x Network Technologies Courses Sequences (Level I, Level II, Level III)
  - o CIT219, CIT288, and take 1 Sequence from Network Administration Track
    - f Additional Electives: CIT145, CIT 255, CIT 265, CIT286

Additional 9 hours from MSU - TSM Electives is required for the BS degree completion:

- x Network Security
  - o TSM352 ±System Security+
  - o TSM353 ±Network Security+
  - o TSM440 ±Information Policy and Security Auditing+
  - o TSM441 ±Advanced Information Security
- x Wireless Communications
  - o TSM321 ±Wireless Communication I+
  - o TSM322 ±Wireless Communication II+
  - o TSM323 ±Wireless Mobile Internet+
  - o TSM421 ±Mobile Satellite Communications +
- x System Administration
  - o CSC310 ±Database Administration
  - o CSC360 ±Scripting Languages
  - o TSM450 ±Telecommunications Policy and Strategies
  - o TSM517 ±Systems Planning+
- x Or Other 300 and 400 Level Courses (as Approved by On-line Advisor\*)
  - o COM439 ±Conflict and Communication+
  - o COM340 ±Intercultural Communication+
  - o COM380- Organizational Communication
  - o COM384- Communication Skills for Professionals
  - o CSC370 ±Introduction to Artificial Intelligence
  - o ECO335 ±Economics and Public Policy of Telecommunications Industry+
  - o FIN331 ±Principles of Insurance
  - o MGT358 ±Entrepreneurial Business Plan Development
  - o MGT443 ±Management of Operations and Technology
  - o MGT550 ±Human Resource Management
  - o MGT557 ±International Management+
  - o MGT559 ±Compensation Management +
  - o MKT475 ±Marketing Strategies for E-commerce+
  - o TSM444 ±Wide Area Networks

+ Courses offered Online

TOTAL CURRICULUM REQUIREMENTS - 120 Hour

Part II:

Upon completion of Part I of the agreement, students seeking the Bachelor of Science degree in Telecommunications System Management must successfully complete the following courses\* at MS

All of the following courses must be completed:

- x CIS317
- x E 1 \*3
- x FIN330
- x IET399
- x MGT350
- x MKT360
- x TSM301
- x TSM320
- x TSM343
- x TSM351
- x TSM411
- x TSM443
- x TSM488

In addition, 9 hours from the following:

Network Security

- x TSM352
- x TSM353
- x TSM440
- x TSM441

Wireless Communications

- x TSM321
- x TSM322
- x TSM323
- x TSM421

System Administration

- x CSC310
- x CSC360
- x TSM450
- x TSM517

Or other 300 and 400 level courses (as Approved by On-line Advisor)

- x COM439
- x COM340
- x COM380
- x COM384
- x CSC370
- x E & 23
- x FIN331
- x MGT358
- x MGT443
- x MGT550
- x MGT557 x

# Addendum

Map From

KCTCS CIT Program Requirements/Articulation Requirements

To

KCTCS General Education Requirements

To

MSU General Education Requirements

CIT Program/Articulation Requirements	KCTCS General Education (for Associate in Arts) Requirement*	MSU General Education Requirements
ENG101 (Program Requirement)	Communications Written Communication	Oral and Written Communication
ENG102 (Articulation Requirement)	Communications Written Communication	
Oral Communications Course (Articulation Requirements)	Communications Oral Communication	
Arts and Humanities Humanities Course (Program Requirement)	Arts and Humanities– Humanities	Global Awareness, Cultural diversity, and the World’s Artistic Traditions
MAT150 OR MAT126 (Program Requirement)	Quantitative Reasoning	Scientific Inquiry Methodologies & Quantitative
PHY171 or a second semester physics course numbered PHY152/162 or higher with lab (Program and Articulation Requirement)**	Natural Sciences	
STA220, STA291, OR STA296 (Articulation Requirement)***	Quantitative Reasoning	
Arts and Humanities Heritage Course (Articulation Requirement)	Arts and Humanities– Heritage	Social and Self Awareness and Responsible Citizenship
ECO201 (Articulation Requirement)	Social and Behavioral Sciences	
Social & Behavioral Sciences Course (Program Requirement)	Social and Behavioral Sciences	World’s Historical Literacy and Philosophical Traditions
Social & Behavioral Sciences Course (Articulation Requirement)	Social and Behavioral Sciences	
CIT105	General Education Electives	University Studies Electives
CIT120		

\* One Arts and Humanities or Social and Behavioral Sciences course must be an approved Cultural Studies Course

\*\* Physics preferred; however, a select science class with a lab may be accepted with permission from an MSU advisor.

\*\*\* Statistics preferred; however, a select higher level math class may be accepted with permission from an MSU advisor.

Map From  
 KCTCS CIT Program Requirements/Articulation Requirements  
 To  
 MSU TSM Program Requirements

Additional Articulation Plan Requirement	MSU TSM Technical Course Requirement
CIT111 CIT150 (Preferred) or CIT155 or CIT157 CIT180 CIT160 OR CIT161	TSM13 TSM232 TSM233 TSM241
CIT170	CIS307
CIT141, CIT142, CIT143, CIT144, CIT145, CIT147, CIT148, OR CIT149	CSC235
CIT291	Program Elective- use as an Area of Emphasis Course



## Program Information for KCTCS CIT and MSU TSM

For more information on the KCTCS [Computer & Information Technologies Program](#), follow the link

CS 115	Introduction to Computer Programming
ACC 201	Financial Accounting
COM 181	Basic Public Speaking
ECO 201	Principles of Microeconomics
ENG 101	Writing I
ENG 102	Writing II
HIS 104	History of Europe Through the Mid-Seventeenth Century
HIS 105	History of Europe from the Mid-Seventeenth Century to the Present
HIS 108	History of the United States Through 1865
HIS 109	History of the United States Since 1865
MAT 126	Technical Algebra and Trigonometry
MAT 150	College Algebra
PHY 152	Introductory Physics II
PHY 171	Applied Physics
STA 220	Statistics
STA 291	Statistical Methods
STA 296	Statistical Methods and Motivations

