

# Transportation Technology AAS

## Intelligent Transportation Systems-Concentration

Career & Technical Division

### Program Description:

The Transportation Technology Program provides a specialized distance learning education and training for the student or current industry employee having an interest in the transportation field. This unique on-line, distance learning and life-experience curriculum breaks the tether to the traditional classroom. It is designed to support a drop-in/drop-out lifelong learning philosophy of continuing education and laddered degree options from a certificate of achievement for specific skill sets to an Associate's, Bachelor's and Master's degree in transportation studies. In addition to formal academic credit, the program is designed to accept related credit equivalency from any academic, vocational, or industry training program to include documented life-long learning skills, test-out exams, industry recognized certifications, and/or continuing education units (CEU's).

The Intelligent Transportation Systems option provides students with technical skills in computer networking and geospatial information systems, while brushing up general education skills and expanding their knowledge about the transportation industry through online or live courses.

### Career Outlook:

For the most current career outlook information, please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at <http://www.bls.gov/ooh>.

### Salary Forecast:

For the most current salary information, please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at <http://www.bls.gov/ooh>.

**Entrance Requirements:** Please e-mail Dr. Wood, Transportation Program Coordinator, for admissions information.

### Contact Information:

Dr. Kristy Wood

Workforce Development

Room 205

Email: [wood25@mctc.edu](mailto:wood25@mctc.edu)

Phone: 304-710-3396 or 1-866-N-ROLLED (1-866-676-5533)

*Our mission is to prepare students for careers, civic responsibility and life-long learning.*

<b>Transportation Technology - Major Code – CT40 • Intelligent Transportation Systems Concentration Code – CT42</b>				
<b>Name:</b>			<b>ID Number 942-</b>	
<b>CAPS SCORES:</b>	<b>MATH:</b>	<b>ENGLISH:</b>	<b>READ:</b>	<b>DOE:</b>
<b>COL 101 Faculty:</b>				
<b>Educational Counselor:</b>				
<b>Faculty Advisor:</b>				

**COURSE REQUIRED**

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 111	Written Communication <sup>1</sup>		3				
IT 101	Fundamentals of Computers (EDGE)		3				
IT 131	Introduction to Networking (EDGE)		4				
IT 160	Geographic Information System Concepts		3				
	Mathematics Elective <sup>2</sup> or IT 150		3				
	English or Communication Elective <sup>3</sup>		3				
IT 165	Spatial Analysis & 3D Modeling <sup>4</sup>		3				
TRAN 101	Intro to Transportations Systems		3				
TRAN 230	Transportation Geography		3				
TRAN 270	Intelligent Transportation Systems <sup>5</sup>		3				
MG 232	Supply Chain Management		3				
TRAN 200	Transportation Law & Policy		3				
TRAN 210	Transportation Economics		3				
TRAN 220	Transportation Security		3				
TRAN 272	Intermodal Transportation Systems		3				
IT 277	Management Information Systems		3				
TRAN 250	Transportation Information Systems		3				
TRAN 273	ITS Systems & Applications		3				
TRAN 274	ITS Project Management		3				
TRAN 279	ITS Capstone		3				

**DEVELOPMENTAL COURSES REQUIRED**

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
	Hours Required for Graduation: 61						

**Earn A Degree Graduate Early (EDGE):**

This program provides students the opportunity to receive credit for their high school EDGE courses.

<sup>1</sup> ENL 111 has a prerequisite of placement in 100-level English, and placement in 100-level reading.

<sup>2</sup> Choose from any MAT 100-level or above. All MAT 100-level courses have a prerequisite of placement in 100-level math.

<sup>3</sup> Choose from any English or Communications 100-level or above.

<sup>4</sup> IT 165 has a prerequisite of IT 160.

<sup>5</sup> TRAN 270 has a prerequisite of TRAN 101.

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