

Transportation Technology AAS

Railway-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 ladder 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 Railway option provides current and former railway employees with the opportunity to earn college credit for their company, industry and on-the-job training, while brushing up general education skills and expanding their knowledge about the transportation industry through online or live courses.

Career Outlook:

Employment is expected to increase 9% by 2018, which is about as fast as the average for all occupations. Opportunities for rail transportation workers will be good for workers who meet basic qualifications because a large number of older workers are expected to retire over the next decade, particularly at freight railroads. Prospects will be best for those positions that are also expected to see growth, like locomotive engineers and conductors.

Salary Forecast:

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/transportation-and-material-moving/railroad-occupations.htm#tab-6>.

Entrance Requirements: Entry into this program requires former or current employment by a railroad company. Please e-mail Dr. Wood, Transportation Program Coordinator, for admissions information.

Contact Information:

Dr. Kristy Wood

Room 205

E-mail: 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.

Transportation Technology - Major Code – CT40 • Railway Concentration Code – CT45				
Name:			ID Number 942-	
CAPS SCORES:	MATH:	ENGLISH:	READ:	DOE:
COL 101 Faculty:				
Educational Counselor:				
Faculty Advisor:				

COURSE REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
ENL 111	Written Communication ¹		3				
IT 101	Fundamentals of Computers ² (EDGE)		3				
MAT	Math Elective ³		3				
ENL/COM	English/Communication Elective ⁴		3				
	General Education Elective ⁵		3				
WFD/TRAN	Misc Workforce Development Courses ⁶		TBD				
WFD/TRAN	Approved Company Onsite ⁶		TBD				
WFD/TRAN	Training—Craft Specific ⁶		TBD				
	Minimum Total Credits		15				
TRAN 101	Intro Transportation Systems(Required)		3				
<i>Choose five additional courses from the list below:</i>							
TRAN 200	Transportation Law & Policy		3				
TRAN 210	Transportation Economics		3				
TRAN 220	Transportation Security		3				
TRAN 230	Transportation Geography		3				
TRAN 250	Transportation Information Systems		3				
TRAN 265	Transportation Management & Operations		3				
TRAN 270	Intelligent Transportation Systems (ITS)		3				
TRAN 273	ITS Systems & Applications		3				
TRAN 274	ITS Project Management		3				
MG 232	Supply Chain Management		3				
TS 102	On-The-Job Training/Fieldwork ⁶		6-12				

DEVELOPMENTAL COURSES REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
	Hours Required for Graduation: 60						

Earn A Degree Graduate Early (EDGE):

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

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

² Students are expected to have basic knowledge of computers including operating systems such as Windows and Microsoft Office before entering this program.

³ Choose from any 100-level or above Mathematics course.

⁴ Choose from any 100-level or above English or Communication course.

⁵ Choose from any Math, Science, Social Science, English, Communications, History, or Humanities course.

⁶ Contact Dr. Kristy Wood: wood25@mctc.edu or (304) 710-3396.

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