

ARTICULATION/TRANSFER AGREEMENT EAST TENNESSEE STATE UNIVERSITY



Bachelor of Science Degree//*Engineering*
(*Engineering Technology/ Product Development Concentration*)



WALTERS STATE COMMUNITY COLLEGE *Associate of Science/Engineering Technology*

Walters State Community College^{*/**}

<u>FALL</u>	<u>HOURS</u>	<u>SPRING</u>	<u>HOURS</u>	<u>FALL</u>	<u>HOURS</u>	<u>SPRING</u>	<u>HOURS</u>
ECON 2100	3	ENGL 1020	3	EGRT 2020	3	EGRT	4
ENGL 1010	3	HIST 2020	3	PHYS 2010	4	EGRT 2320	4
HIST 2010	3	EGRT 2170	4	PHYS 2011	0	ENST 2380	3
MATH 1720	3	EGRT 2310	4	PSYC 1030	3	CHEM 1110/11	4
COMM 2025	3	Fine Art E	3	ENST 1370	3		
				Literature E	3		
TOTAL	<u>15</u>		<u>17</u>		<u>16</u>		<u>15</u>

TOTAL HOURS: 63

*Learning Support courses must be taken every semester until completed.

**Only coursework for which a grade of C (2.0) or higher was earned will be accepted for transfer credit to ETSU for courses in English, Math, Science, and Technology

Computer Competency is required, either by passing a proficiency exam or INFS 1010 completion. See the website www.ws.edu/academics/technical-ed/computer-competency/ for info on proficiency exam or call (423) 585-2644 for additional information to register.

Bridge Hours: (To be completed at Walters State Community College)

MATH 1530 3

East Tennessee State University

<u>Technology Core</u>	<u>Hours</u>	<u>Technical Support Core</u>	<u>Hours</u>	<u>Specialty Sequence</u>	<u>Hours</u>
ENTC 1510	2	DIGM 1100	4	See attached	27
ENTC 3030	3	MATH 1840, 1850 <u>OR</u>	6-8	Addendum	
ENTC 4017	3	MATH 1910, 1920		NO MINOR REQ'D	
ENTC 4060	3	PHYS 2020/ PHYS 2021	4		
ENTC 4600	4	<u>OR</u>			
ENTC 3710	3	CHEM 1120/ CHEM 1121	4		
ENTC 4357	3	<u>OR</u>			
Elective	3	HSCI 2010/ HSCI 2011	4		
		Elective	4		
TOTAL	<u>24</u>		<u>18-20</u>		<u>27</u>

TOTAL HOURS: 24+18-20+27 = 69-71

TOTAL DEGREE CREDITS: 63+3+72-74 = 138-140

¹Accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET).

For more information, contact East Tennessee State University, College of Business & Technology, Department of Technology (423) 439-7813.

*Contact
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For Specialty Sequence Requirements, choose ONE of the following sets:

- Electronics & Communications **and** Manufacturing & Materials Specialty Sequences **OR**
- Electronics & Communications **and** Digital Media & Visualization Specialty Sequences **OR**
- Electronics & Communications **and** Construction & Architectural Specialty Sequences **OR**
- Manufacturing & Materials **and** Digital Media & Visualization Specialty Sequences **OR**
- Manufacturing & Materials **and** Construction & Architectural Specialty Sequences

Specialty Sequence Requirements: 27 Credit Hours

Choose two of the four specialty sequence of courses to complete 27 credits (either the Electronics & Communications and/or the Manufacturing & Materials Specialty Sequence must be chosen):

Specialty Engineering Technology Sequences

(Choose one or both)

Electronics & Communications Specialty Sequence:

Required:

- ~~ENTC 2320 - Electronics I (4 credits) EGRT 2320 Equivalent~~
- ~~ENTC 3370 - Electronics Digital Circuits (4 credits) EGRT 2370 Equivalent~~
- [ENTC 4277 - Instrumentation and Process Control](#) (4 credits)

Complete at least one or more of the following to complete credits in specialty sequence:

- [ENTC 3310 - Circuit Analysis](#) (3 credits)
- [ENTC 3340 - Electrical Machinery](#) (3 credits)
- [ENTC 4337 - Microprocessors](#) (4 credits)

Manufacturing & Materials Specialty Sequence:

Required:

- [ENTC 3600 - Manufacturing Technology](#) (3 credits)

Complete at least one or more of the following to complete credits in specialty sequence:

- [ENTC 1600 - Introduction to Technology Education](#) (3 credits)
- [ENTC 3620 - Thermal and Fluid Technologies](#) (4 credits)
- [ENTC 4237 - Ergonomics and Process Optimization](#) (4 credits)
- [ENTC 4277 - Instrumentation and Process Control](#) (4 credits)
- [ENTC 2510 - Introduction to Robotics](#) (3 credits)

Specialty Technical Support Sequences

(Choose either both above or one below)

Digital Media & Visualization Specialty Sequence: 14-15 Credit Hours

- [ARTA 1140 - Core Studio II](#) (3 credits)
- [DIGM 2710 - Vector-Based Imaging](#) (4 credits) or

- [DIGM 2720 - Raster-Based Imaging](#) (4 credits)
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- [DIGM 3300 - Product Design](#) (4 credits)

Choose at least one of the following:

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- [ARTA 2501 - Introduction to Sculpture](#) (3 credits)
 - [DIGM 1900 - Principles of Visualization](#) (4 credits)
 - [DIGM 3110 - 3-D Model Design](#) (4 credits)

Construction & Architectural Specialty Sequence: 12-14 Credit Hours

Required:

- [ENTC 2160 - Architectural CADD](#) (3 credits)
- [ENTC 2410 - Construction Fundamentals](#) (4 credits)

Complete at least two or more of the following to complete credits in specialty sequence:

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- [INTD 2105 - Historical Interiors I](#) (3 credits)
 - [INTD 1105 - Interior Design Fundamentals](#) (3 credits)
 - [INTD 2110 - Design for Human Behavior](#) (3 credits)
 - [ENTC 2420 - Residential and Commercial Planning](#) (4 credits)
 - [ENTC 2440 - Mechanical Systems](#) (4 credits)
 - [SURV 2550 - Surveying Measurement Fundamentals](#) (3 credit hours)
 - Humanities/Fine Arts (3 credits)
 - Social/Behavioral Sciences (3 credits)
 - Electives (2 credits)

Engineering Technology Program Information

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