

TRANSFER AGREEMENT

2013-14

Walters State Community College

Tennessee Technological University

Use this as a guide to make your way through Walters State Community College and plan your future at Tennessee Technological University.

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Transfer Agreement Policies

1. This publication is a transfer agreement between Walters State Community College and Tennessee Technological University.
2. The current edition of this publication will be in effect for six years from the time a student becomes regularly admitted to Walters State.
3. Students entering Walters State must meet all the standards and follow the procedures of the current Walters State catalog.
4. Students entering Tennessee Technological University must meet the standards and follow the procedures of the current Tennessee Tech undergraduate catalog.
5. This agreement assumes that student will complete an associate degree at Walters State before entering Tennessee Tech. Students not completing an associate degree will have their applications evaluated as any other transfer student.
6. In some cases, individual programs at Tennessee Tech have specific requirements for admissions which supersede all others.
4. Students who have not completed college credit math or English courses must follow COMPASS testing guidelines. Students under the age of 21 who have completed fewer than 24 semester hours must also submit ACT scores.
5. All non-commuting single freshmen and sophomores must live in university housing.
6. The applicant will be notified of the admission status after all credentials have been received and evaluated. Tentative admission may be granted on the basis of partial transcripts if the quality of work is clearly acceptable. Final admission is granted only after all official transcripts and credentials are received. Upon acceptance the student will be sent a Letter of Admission.

If you would like to visit Tennessee Technological University at any time, please contact the Admissions Office between 8:00 - 4:30 Monday through Friday. For additional information, please contact the Office of Admissions at 931-372-3888 or toll-free 1-800-255-8881.

Admissions Standards

Under this agreement, in order to be eligible for admission to Tennessee Tech, you must have an associate degree from Walters State and a minimum 2.0 grade point average. Students not completing an associate degree will have their applications evaluated as any other transfer student. In selected majors, a higher grade point average is required for admission. Check the curricular requirements for the major of your choice for additional information.

Application

1. Complete the Undergraduate Application form. Submit the form and a nonrefundable \$25 application fee to the Office of Admissions, Tennessee Technological University, P. O. Box 5006, Cookeville, Tennessee 38505. The application deadline date for receipt of the admission application, test scores (ACT/SAT) and appropriate transcripts is August 1 for fall entry, December 1 for spring entry and May 1 for summer entry.
2. Request each institution previously attended to send official transcripts of all work completed and a partial transcript if presently enrolled in another institution. Request the sending of a final transcript when all work is completed. Transcripts of all work attempted at the college level must be furnished.
3. The official grade point average will be computed on hours and grades earned at all previous colleges or universities. Credit is transferred with the grade made in the course. For example, an "A" is transferred as an "A" and an "F" is transferred as an "F."

Expenses

For the list of current fees, check the Bursar's web site at www.tntech.edu/bursar/

Scholarship Information

Scholarship opportunities are available for transfer students. For scholarship information, check the scholarship web site at www.tntech.edu/scholarships/ The scholarship deadline date is December 15 for the next academic year.

Undergraduate Colleges and Departments

College of Agricultural and Human Ecology

School of Agriculture
School of Human Ecology

College of Arts and Sciences

Biology
Chemistry
Communication
Earth Sciences
English
Foreign Languages
History
Mathematics
Physics
Psychology
Sociology and Political Science

College of Business

Accounting
Decision Sciences and Management
Economics, Finance and Marketing

College of Education

Art
Appalachian Center for Crafts
Counseling and Psychology
Curriculum and Instruction
Exercise Science, Physical Education and
Wellness
Music

College of Engineering

Chemical Engineering
Civil and Environmental Engineering
Computer Science
Electrical and Computer Engineering
Mechanical Engineering
Manufacturing and Engineering Technology

College of Interdisciplinary Studies

School of Nursing

Questions? Then Contact

Academic Records	Registrar, Derryberry Hall 102	372-3317
Admissions	Admissions Office, Derryberry Hall 209	372-3888
Athletics	Athletics, Hooper Eblen 300	372-3940
Auto Registration	Safety & Security	372-3234
Bills	Business Office, Derryberry Hall 100	372-3311
Books and Supplies	University Store, University Center G-7	372-3131
College of		
Agricultural and Human Ecology	Dean's Office, Foundation Hall	372-3149
Arts and Sciences	Dean's Office, Henderson Hall 202	372-3118
Student Success Center	Henderson Hall Room 202	372-3610
Business	Dean's Office, Johnson Hall 101	372-3372
Student Success Center	Johnson Hall 107	372-3371
Education	Dean's Office, T. J. Farr 100	372-3124
Advising Center	T.J. Farr 103	372-6336
Engineering	Dean's Office, Clement Hall 201	372-3172
Interdisciplinary Studies	Dean's Office, Henderson Hall Room 3	372-3394
School of Nursing	Academic Advisors, Nursing and Health Services	372-3229
Counseling	Counseling Center, University Center 307	372-3331
Fraternities	Student Organizations Office, University Center 234	372-3236
Financial Aid	Financial Aid Office, University Center 214	372-3073
Housing	Office of Residential Life, MS Cooper 217	372-3414
Religious Opportunity	Student Organizations Office, University Center 234	372-3236
Student Government	Student Organizations Office, University Center 234	372-3236
Student Organizations	Student Organizations Office, University Center 234	372-3236
Teacher Certification	College of Education, Bartoo Hall 301	372-3170
Veteran Certification	Registrar, Derryberry Hall 102	372-3317

COLLEGE OF AGRICULTURE AND HUMAN ECOLOGY
SCHOOL OF AGRICULTURE
AGRICULTURE

Turfgrass Management Concentration

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year		Sophomore Year			
ENGL 1010, 1020	Composition I, II	6	AGRM 1710, 1711	Agriculture Economics	3
MATH 1530, 1630, 1830 or 1910		3-4	BIOL 2210, 2211	General Botany	4
CHEM 1110, 1111, 1120, 1121		8	ENGL 2110, 2120	American Literature I, II or	
AGRI 1020, 1021	Introduction to Animal Science	4	ENGL 2410, 2420	Western World Lit. I, II	3
AGRI 1030, 1031	Introduction to Plant Science	4	HIST 2010, 2020	American History I, II	6
INFS 1010	Computer Applications	3	ECON 2010, 2020	Macroeconomics, Microeconomics	6
SPCH 1010	Fundamentals of Speech Communication	3	AGRM 1610, 1611	Turf Power Equipment	3
			Humanities/Fine Arts Electives ¹		6
			Total		31
	Total	31-32			

TENNESSEE TECHNOLOGICAL UNIVERSITY

Dr. Billye Foster, Director -South Hall 148 , Phone: (931) 372-3019

Junior Year		Senior Year			
AGR 1020	Connections to Agriculture	1	AGHT 3030	Integrated Pest Management	3
ACCT 2110, 2120	Principles of Financial Accounting, Principles of Managerial Accounting	6	AGRN 4100	Weed Science	3
AGET 3320	Small Power Equipment	2	AGRN 4210	Soil Fertility & Fertilizers	3
AGET 3325	Small Power Equipment Lab	1	AGBE 4030	Agribusiness Management	3
AGRN 3100	Turfgrass Management	3	AGR 4930	Senior Seminar	2
AGHT 3470	Landscape Plant Materials	3	Directed Business Electives ³		6
AGBE 3400	Agricultural Finance	3	Upper Division Ag Elective ²		3
Upper Division Ag Elective ²		3	Electives		4
BIOL 3330	Entomology	3			
AGRN 3210, 3220	Soils, Lab	4			
MATH 1530, 1630, 1830 or 1910		3-4			
	Total	33	Total		27

¹Select two courses from Walters States approved General Education Humanities/Fine Arts list.

²No more than one course from any Agriculture discipline (AGBE, AGED, AGET, AGHT, AGRN and ANS).

³Choose two courses (six hours) from the following: LAW 3810, BMGT 3510, BMGT 3630, MKT 3400, MKT 3430, MKT 4500.

COLLEGE OF BUSINESS

DEPARTMENT OF DECISION SCIENCES AND MANAGEMENT

BUSINESS MANAGEMENT - GENERAL MANAGEMENT (Business Management: Option - BUMA)

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

ENGL 1010, 1020	Composition I, II	6
MATH 1710	Pre-Calculus (Algebra)	3
MATH 1830	Calculus A	3
Natural Science ¹		8
INFS 1010	Computer Applications	3
SPCH 1010	Fundamentals of Speech Communication	3
Non-Business Elective ²		4
Total		30

Sophomore Year

ACCT1010, 1020	Principles of Accounting I, II	6
ECON 2010, 2020	Macroeconomics, Microeconomics	6
HIST 2010, 2020	American History I, II	6
ENGL 2110, 2120	American Literature I, II or	
ENGL 2410, 2420	Western World Lit. I, II	3
	Humanities/Fine Arts Electives ³	6
	Non-Business Elective ²	3
Total		30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year

BMGT 3510	Mgt. & Organization Behavior	3
BMGT 3600	International Management	3
BMGT 3630	Human Resource Management	3
DS 3620	Management Science	3
DS 3841	Mgt. Information Systems	3
ECON 3610	Business Statistics I	3
FIN 3210	Prin. of Managerial Finance	3
MKT 3400	Principles of Marketing	3
DS Elective		3
Total		30

Senior Year

BMGT 3720	Business Communication I	3
BMGT 4520	Organizational Leadership	3
BMGT 4930	Business Strategy	3
DS 3520	Operations Management	3
ECON 3320, 3810 or 3820		3
LAW 3810	Business Legal Environment & Ethics	3
BMGT Electives ⁴		6
Non-Business Electives ⁴		6
Total		30

¹ Select two courses from the following: ASTR 1030/31, BIOL 1010/11, 1020/21, 1110/11, 1120/21, 2010/11, 2020/21; CHEM 1110/11, 1120/21; GEOL 1030/31; PHYS 2010/11, 2020/21, 2110/11, 2120/21.

² Elective course are to be selected from WSCC/TTU Transfer Equivalency Table
www.tntech.edu/transfers/transfertablesagreements/

³ Select two courses from Walters States approved General Education Humanities/Fine Arts list.

⁴ Elective courses are to be selected in consultation with the academic advisor.

**BUSINESS MANAGEMENT - HUMAN RESOURCE MANAGEMENT
(Business Management: Option BUHR)**

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

ENGL 1010, 1020	Composition I, II	6
MATH 1710	Pre-Calculus (Algebra)	3
MATH 1830	Calculus A	3
Natural Science ¹		8
INFS 1010	Computer Applications	3
SPCH 1010	Fundamentals of Speech Communication	3
Non-Business Elective ²		4

Total 30

Sophomore Year

ACCT1010, 1020	Principles of Accounting I, II	6
ECON 2010, 2020	Macroeconomics, Microeconomics	6
HIST 2010, 2020	American History I, II	6
ENGL 2110, 2120	American Literature I, II or	
ENGL 2410, 2420	Western World Lit. I, II	3
	Humanities/Fine Arts Electives ³	6
	Non-Business Elective ²	3

Total 30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year

BMGT 3510	Mgt. & Organization Behavior	3
BMGT 3630	Human Resource Management	3
DS 3620	Management Science	3
DS 3841	Mgt. Information Systems	3
ECON 3610	Business Statistics I	3
FIN 3210	Prin. of Managerial Finance	3
LAW 3810	Business Legal Environment & Ethics	3
MKT 3400	Principles of Marketing	3
BMGT Electives		6

Total 30

Senior Year

BMGT 4100	Staffing	3
BMGT 4120	Compensation Administration	3
BMGT 4150	Employment and Labor Law	3
BMGT 4610	Training and Development	3
BMGT 4930	Business Strategy	3
DS 3520	Operations Management	3
ECON 3320, 3810 or 3820		3
	Business Elective ⁴	3
	Non-Business Electives ⁴	6

Total 30

¹ Select two courses from the following: ASTR 1030/31, BIOL 1010/11, 1020/21, 1110/11, 1120/21, 2010/11, 2020/21; CHEM 1110/11, 1120/21; GEOL 1030/31; PHYS 2010/11, 2020/21, 2110/11, 2120/21.

² Elective course are to be selected from WSCC/TTU Transfer Equivalency Table www.tntech.edu/transfers/transfertablesagreements/

³ Select two courses from Walters States approved General Education Humanities/Fine Arts list.

⁴Elective courses are to be selected in consultation with the academic advisor.

**BUSINESS MANAGEMENT - PRODUCTION/OPERATIONS MANAGEMENT
(Business Management: Option - BUPR)**

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

ENGL 1010, 1020	Composition I, II	6
MATH 1710	Pre-Calculus (Algebra)	3
MATH 1830	Calculus A	3
Natural Science ¹		8
INFS 1010	Computer Applications	3
SPCH 1010	Fundamentals of Speech Communication	3
Non-Business Elective ²		4
Total		30

Sophomore Year

ACCT1010, 1020	Principles of Accounting I, II	6
ECON 2010, 2020	Macroeconomics, Microeconomics	6
HIST 2010, 2020	American History I, II	6
ENGL 2110, 2120	American Literature I, II or	
ENGL 2410, 2420	Western World Lit. I, II	3
	Humanities/Fine Arts Electives ³	6
	Non-Business Elective ²	3
Total		30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year

ACCT 3210	Cost Accounting	3
BMGT 3510	Mgt. & Organization Behavior	3
BMGT 3630	Human Resource Management	3
DS 3520	Operations Management	3
DS 3540	Quality & Productivity Systems	3
DS 3620	Management Science	3
DS 3841	Mgt. Information Systems	3
ECON 3610	Business Statistics I	3
FIN 3210	Principles of Managerial Finance	3
MKT 3400	Principles of Marketing	3
Total		30

Senior Year

BMGT 4410	Conflich Mgmt & Negotion	3
BMGT 4930	Business Strategy	3
ECON 3320, 3810 or 3820		3
LAW 3810	Business Legal Environment and Ethics	3
DS or BMGT Electives ⁴		6
Business Electives ⁴		6
ISE/MIT Elective ⁴		6
Total		30

¹ Select two courses from the following: ASTR 1030/31, BIOL 1010/11, 1020/21, 1110/11, 1120/21, 2010/11, 2020/21; CHEM 1110/11, 1120/21; GEOL 1030/31; PHYS 2010/11, 2020/21, 2110/11, 2120/21.

² Elective course are to be selected from WSCC/TTU Transfer Equivalency Table www.tntech.edu/transfers/transfertablesagreements/

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⁴Elective courses are to be selected in consultation with the academic advisor.

**BUSINESS MANAGEMENT - MANAGEMENT INFORMATION SYSTEMS
(Business Management: Option - BUIN)**

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

ENGL 1010, 1020	Composition I, II	6
MATH 1710	Pre-Calculus (Algebra)	3
MATH 1830	Calculus A	3
Natural Science ¹		8
INFS 1010	Computer Applications	3
SPCH 1010	Fundamentals of Speech Communication	3
Non-Business Elective ²		4
Total		30

Sophomore Year

ACCT1010, 1020	Principles of Accounting I, II	6
ECON 2010, 2020	Macroeconomics, Microeconomics	6
HIST 2010, 2020	American History I, II	6
ENGL 2110, 2120	American Literature I, II or	
ENGL 2410, 2420	Western World Lit. I, II	3
	Humanities/Fine Arts Electives ³	6
	Non-Business Elective ²	3
Total		30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Curtis Armstrong, Department Chairperson - Johnson Hall 306, Phone: (931) 372-3160

Junior Year

BMGT 3510	Mgt. & Organization Behavior	3
DS 3620	Management Science	3
DS 3841	Mgt. Information Systems	3
DS 3850	Business Applications Development	3
DS 3860	Business Database Mgmt	3
ECON 3610	Business Statistics I	3
FIN 3210	Principles of Managerial Finance	3
DS Elective		3
MKT 3400	Principles of Marketing	3
Non-Business Elective ⁴		3
Total		30

Senior Year

BMGT 4930	Business Strategy	3
DS 3520	Operations Management	3
DS 3860	Business Database Mgt.	3
DS 3870	Business Web Apps Development	3
DS 4250	Business Data communications	3
DS 4330	Mgt Systems Analysis	3
DS 4550	Info Systems Development Practium	3
ECON 3320, 3810 of 3820		3
LAW 3810	Business Legal Environment & Ethics	3
Business Elective ⁴		3
Non-Business Elective ⁴		3
Total		30

¹ Select two courses from the following: ASTR 1030/31, BIOL 1010/11, 1020/21, 1110/11, 1120/21, 2010/11, 2020/21; CHEM 1110/11, 1120/21; GEOL 1030/31; PHYS 2010/11, 2020/21, 2110/11, 2120/21.

² Elective course are to be selected from WSCC/TTU Transfer Equivalency Table www.tntech.edu/transfers/transfertablesagreements/

³ Select two courses from Walters States approved General Education Humanities/Fine Arts list.

⁴ Elective courses are to be selected in consultation with the academic advisor.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

DEPARTMENT OF ECONOMICS, FINANCE, AND MARKETING

FINANCE

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year		Sophomore Year			
ENGL 1010, 1020	Composition I, II	6	ACCT1010, 1020 Principles of Accounting I, II	6	
MATH 1710	Pre-Calculus (Algebra)	3	ECON 2010, 2020 Macroeconomics, Microeconomics	6	
MATH 1830	Calculus A	3	HIST 2010, 2020 American History I, II	6	
Natural Science ¹		8	ENGL 2110, 2120 American Literature I, II or		
INFS 1010	Computer Applications	3	ENGL 2410, 2420 Western World Lit. I, II	3	
SPCH 1010	Fundamentals of Speech Communication	3	Humanities/Fine Arts Electives ³	6	
Non-Business Elective ²		4	Non-Business Elective ²	3	
Total		30	Total		30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Steve Isbell, Department Chairperson - Johnson Hall 216, Phone: (931) 372-3745

Junior Year		Senior Year			
BMGT 3510	Mgt. & Organization Behavior	3	BMGT 4930 Business Strategy	3	
DS 3520	Operations Management	3	FIN 4230 Advanced Financial Decision Analysis	3	
DS 3620	Management Science	3	ECON 4510 International Trade and Finance <u>or</u>		
DS 3841	Management Info. Systems	3	FIN 4910 Multinational Financial Mgmt	3	
ECON 3320, 3810 or 3820		3	MKT 3400 Principles of Marketing	3	
ECON 3610	Business Statistics I	3	Business Elective ⁴	3	
FIN 3210	Prin. of Managerial Finance	3	Finance Electives ⁴	9	
FIN 3220	Intermediate Financial Mgt.	3	Non-Business Electives ⁴	6	
FIN 3830	Fundamentals of Investment	3			
LAW 3810	Business Legal Environment & Ethics	3			
Total		30	Total		30

¹ Select two courses from the following: ASTR 1030/31, BIOL 1010/11, 1020/21, 1110/11, 1120/21, 2010/11, 2020/21; CHEM 1110/11, 1120/21; GEOL 1030/31; PHYS 2010/11, 2020/21, 2110/11, 2120/21.

² Elective course are to be selected from WSCC/TTU Transfer Equivalency Table www.tntech.edu/transfers/transfertablesagreements/

³ Select two courses from Walters States approved General Education Humanities/Fine Arts list.

⁴ Elective courses are to be selected in consultation with the academic advisor.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

MARKETING

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year			Sophomore Year		
ENGL 1010, 1020	Composition I, II	6	ACCT1010, 1020	Principles of Accounting I, II	6
MATH 1710	Pre-Calculus (Algebra)	3	ECON 2010, 2020	Macroeconomics, Microeconomics	6
MATH 1830	Calculus A	3	HIST 2010, 2020	American History I, II	6
Natural Science ¹		8	ENGL 2110, 2120	American Literature I, II or	
INFS 1010	Computer Applications	3	ENGL 2410, 2420	Western World Lit. I, II	3
SPCH 1010	Fundamentals of Speech Communication	3		Humanities/Fine Arts Electives ³	6
				Non-Business Elective ²	3
Non-Business Elective ²		4			
	Total	30		Total	30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Steve Isbell, Department Chairperson - Johnson Hall 216, Phone: (931) 372-3745

Junior Year			Senior Year		
BMGT 3510	Mgt. & Organization Behavior	3	BMGT 4930	Business Strategy	3
DS 3520	Operations Management	3	MKT 4620	Marketing Research	3
DS 3620	Management Science	3	MKT 4730	Marketing Strategy	3
DS 3841	Management Info. Systems	3	LAW 3810	Business Legal Environment & Ethics	3
ECON 3320, 3810 or 3820		3		Business Elective ⁴	3
ECON 3610	Business Statistics I	3		Marketing Electives ⁴	12
FIN 3210	Prin. of Managerial Finance	3		Non-Business Elective ⁴	3
MKT 3400	Principles of Marketing	3			
Non-Business Elective ⁴		3			
Marketing Elective ⁴		3			
	Total	30		Total	30

¹ Select two courses from the following: ASTR 1030/31, BIOL 1010/11, 1020/21, 1110/11, 1120/21, 2010/11, 2020/21; CHEM 1110/11, 1120/21; GEOL 1030/31; PHYS 2010/11, 2020/21, 2110/11, 2120/21.

² Elective course are to be selected from WSCC/TTU Transfer Equivalency Table www.tntech.edu/transfers/transfertablesagreements/

³ Select two courses from Walters States approved General Education Humanities/Fine Arts list.

⁴ Elective courses are to be selected in consultation with the academic advisor.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

COLLEGE OF ENGINEERING
DEPARTMENT OF CHEMICAL ENGINEERING
CHEMICAL ENGINEERING

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year²

CHEM 1110, 1111, 1120, 1121	General Chemistry I, II w/lab	8
CISP 1010	Computer Science I OR	
CPSC 2170, 2171	Computer Programming Math/ Engineering	4 or 3
MATH 1910, 1920	Calculus I, II	8
ENGL 1010, 1020	Composition I, II	6
SPCH 1010	Fundamentals of Speech Communication	3
Approved Social/Behavioral Science Electives		6
Total		35-34

Sophomore Year

CHEM 2010, 2011, 2020, 2021	Organic Chemistry I, II w/lab	8
ENGL 2110 or 2120	American Literature I, II OR	
ENGL 2410 or 2420	Western World Literature I, II	3
MATH 2110	Calculus III	4
MATH 2120	Differential Equations	3
HIST 2010, 2020 ¹	American History I, II	6
PHYS 2110, 2111, 2120, 2121	Physics I, II w/ Lab	8
Approved Humanities/Fine Arts Electives		6
Total		38

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Pedro Arce, Department Chairman - Prescott Hall 214, Phone: (931) 372-3297
 (Recommend advisor be contacted prior to transfer.)

Junior Year³

ENGR 1210	Intro to Engineering	1
CHE 1510	Computer Apps in CHE	1
CHE 2011	Chemical & Biological Engineering Process Analysis	4
CHE 3010	Thermodynamics of Chem Processes	3
CHE 3021	Separations & Solution Thermodynamics	4
CHE 3111	Transfer Science I: Conduction, Radiation, and Diffusion	4
CHE 3121	Transfer Science II: Fluid Mechanics	4
CHE 3730	Chemical Engineering Operations	3
CEE 2110, ECE 3810 or BIOL 3200		3
Technical Elective ⁴		3
Total		30

Senior Year

CHE 4131	Transfer Science III: Diffusion and Diffusive-Convection Mass Transfer	4
CHE 4210	Chemical Reaction Engineering	4
CHE 4240	CHE Capstone Lab	1
CHE 4410, 4420	Process Design I, II	6
CHE 4540	Process Dynamics & Control	3
ChE Technical Electives ⁵		6
CHE 4910	Professionalism and Ethics in CHE	1
CHEM 3510, 3520	Physical Chemistry	8
Total		33

- HIST 2010, 2020 American History I, II are requirements for the AS degree at Walters State only.
- Walters State students are required to fulfill computer competency requirements within the first thirty hours of college level work by either passing a computer competency exam or passing INFS 1010.
- Students must apply to the CHE Fast-Track MS program by the end of their second junior term.
- Three hours of Technical Electives can be from any of the following courses:
 - Any College of Engineering course at the 3000 or 4000 level.
 - Any BIOL/CHEM/MATH/PHYS at the 3000 or 4000 level.
 - CEE 2100
 - Any course with the prior approval of the ChE Undergraduate Program Coordinator.
 - Note that CEE 2110, BIOL 3200 and ECE 3810 cannot count both as a Technical Elective and as part of the CEE 2100/ECE 3810/BIOL 3200 option.
- Three hours of ChE Technical Electives must come from one of the following courses:
 - ChE 4330 – Polymer Engineering
 - ChE 4661 – Transport in Biochemical and Biological Processes
 - ChE 4950 – MEMS
 - ChE 4990 – Undergraduate Research

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

COMPUTER ENGINEERING

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year³

ENGL 1010, 1020	Composition I, II	6
MATH 1910, 1920	Calculus I, II	8
CHEM 1110, 1111	General Chemistry I w/lab	4
	Approved Humanities/Fine Arts Elective	3
	Approved Social/Behavioral Science Elective	3
CISP 1010 ¹	Computer Science I	4
SPCH 1010	Fundamentals of Speech Communication	3

Total 31

Sophomore Year

ENGL 2110 or 2120	American Literature I or II <u>OR</u>	
ENGL 2410 or 2420		
	Western World Lit. I or II	3
PHYS 2110, 2111, 2120, 2121		
	Physics I, II w/ Lab	8
MATH 2110	Calculus III	4
MATH 2120	Differential Equations	3
HIST 2010, 2020 ²	American History I, II	6
	Approved Humanities/Fine Arts Elective	3
	Approved Social/Behavioral Science Elective	3
	Total	30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Charles Carnal, Faculty Advisor - Brown Hall 217, Phone: (931) 372-3397
(Recommend advisor be contacted prior to transfer.)

Third Year

CSC 2100, 2101	Intro to Problem Solving and Computer Programming, Lab	4
CSC 2110	Data Structures and Algorithms	3
CSC 2111	Data Structures and Algorithms Lab	1
ECE 2001	Computer Aided Engineering in ECE	1
ECE 2010	Electric Circuits I	3
ECE 2011	EE Lab I	1
ECE 2020	Electric Circuits II	3
ECE 2110	Intro to Digital Systems	3
MATH 2010	Elementary Matrix Algebra	3

Total 22

Fourth Year

ECE 3010	Signals & Systems	3
ECE 3020	Discrete-Time Signals and Systems	3
ECE 3060	EE Lab II	1
ECE 3120	Microcomputer Systems	3
ECE 3300	Electronics I	3
ECE 3160	Digital Systems Laboratory	1
ECE 4910	Professional Issues in ECE	1
CSC 2400	Design of Algorithms	3
CSC 2500	Unix Lab	1
CSC 3030	Practical and Professional Issues in CSC	1
CSC 4200	Computer Networks	3
MATH 3470	Introductory Probability and Statistics	3
	Total	26

Fifth Year

ECE 4961, 4971	Capstone Design I, II	6
ECE 4110	Sequential Logic Design	3
ECE 4120	Fundamentals of Computer Design ³	3
ECE 4140	Embedded System Design	3
EE Laboratory Elective ⁴		1
EE elective ⁴		3
CmpE Elective ⁴		3
CSC 4100	Operating Systems	3
CS Elective ⁴		3
	Total	28

¹Elective course is a requirement for the AS degree in pre-engineering at Walters State only. Prerequisite--CPSC 1230/31 or four years of high school math

²HIST 2010, 2020 American History I, II are requirements for the AS degree at Walters State only.

³Walters State students are required to fulfill computer competency requirements within the first thirty hours of college level work by either passing a computer competency exam or passing INFS 1010.

⁴Select from the ECE Department approved list.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

DEPARTMENT OF MANUFACTURING AND ENGINEERING TECHNOLOGY**ENGINEERING TECHNOLOGY**WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year¹

CHEM 1010, 1011 or 1110, 1111	4
CPSC 2170, 2171 Computer Programming Math/Engineering	3
ENGL 1010, 1020 Composition I, II	6
ETDD 1010, 1011 Engineering Graphics I	4
MATH 1710, 1720 Mathematical Functions I, II	6
SPCH 1010 Fundamentals of Speech Communication	3
Humanities/Fine Arts Elective	3
Total	29

Sophomore Year

ECON 2010 or 2020	3
ENGL 2110 or 2120 American Literature I, II OR	
ENGL 2410 or 2420 Western World Lit. I, II	3
HIST 2010, 2020 American History I, II	6
PHYS 2010, 2011, 2020, 2021 General Physics I, II w/lab <u>OR</u>	
PHYS 2110, 2111, 2120, 2121 Physics I, II w/ Lab	8
PSYC 1030 Intro to Psychology	3
Humanities/Fine Arts Elective	3
ETMF 2610 Occupational Safety	3
Total	29

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Ahmed Elsayy, Department Chairperson - Lewis Hall 107, Phone: (931) 372-3263
(Recommend advisor be contacted prior to transfer.)

Junior Year

MATH 1845 Technical Calculus	3
MET 1100 Introduction to Manufacturing Engineering Technology	2
ACCT 3720 Survey of Accounting	3
BMGT 3510 Management & Organization Behavior	3
ECON 3610 Business Statistics I	3
MET 2063 Metal Manufacturing Technology	3
MET 2400 Statics and Strength of Materials	3
MET 3000 Principles of Metal Casting	2
MET 3130 Maintenance Technology I	3
MET 3200 Applied Electricity & Electronics	3
MET 3301 CAD for Technology	2
ME 3110 Physical Metallurgy & Heat Treatment	3
Total	33

Senior Year

DS 3520 Operations Management	3
MET 3700 Manufacturing Cost Estimating	2
MET 3710 Methods Design	2
MET 3730 Quality Assurance	2
MET 4200 Industrial Electronics	3
MET 4310 Plant Layout & Materials Handling	3
MET 4615 Engineering Technology Ethics and Professionalism	1
MET 4620 Senior Projects	3
Area of Emphasis	12
Business Elective	3
Total	34

¹Walters State students are required to fulfill computer competency requirements within the first thirty hours of college level work by either passing a computer competency exam or passing INFS 1010.

²Business Elective: BMGT 3630, BMGT 4520, DS 3620, DS 3540, FIN 3210, LAW 3810 or MKT 3400.

³Select one of the following emphases:

Emphasis I - Manufacturing Engineering Technology

MET 3060, MET 3403 and select 2 courses from: MET 3010, MET 3010, MET 3460, MET 3560, MET 4010, MET 4060, MET 4140, MET 4210, MET 4220, MET 4300, MET 4400, MET 4430, MET 4450, MET 4500, MET 4990; CHEM 3710, and ME 4430.

Emphasis II - Technology Management

Select 4 courses from: BMGT 3630, BMGT 4520, DS 3620, DS 3540, FIN 3210, LAW 3810, MKT 3400, PSY 3400.

Students must complete 60 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

ARMY ROTC
RESERVE OFFICERS TRAINING CORPS

OBJECTIVE

The objective of the Army Reserve Officers Training Corps (ROTC) is to prepare selected students to serve as officers in the Army Reserve, Army National Guard, and Active Army.

ENROLLMENT REQUIREMENTS

The general requirements for enrollment in Army ROTC are:

1. Be a citizen of the United States.
2. Be physically and mentally qualified.
3. Be accepted by the university as a full time student.
4. Be morally qualified.
5. Army ROTC non-scholarship students, complete graduation requirements prior to reaching age 28, and
6. Army ROTC scholarship students, complete graduation requirements prior to reaching age 25.

TWO-YEAR ROTC PROGRAMS

There are two options available to students who transfer from institutions without Army ROTC programs:

Option 1: Students will attend the ROTC Leaders Training Course (LTC) at Fort Knox, Kentucky. (In order to attend LTC, students need the permission of the Professor of Military Science at the school they will attend.) After LTC, students enroll in the ROTC Advanced Course as Military Science (MS) III's and take the MS III courses for two semesters. The following summer, students attend Leader Development and Assessment Course (LDAC). The next school year, they enroll as MS IV's for two semesters and receive a commission as a Second Lieutenant upon graduation.

Option 2: Students who have completed basic training with any military service of the United States, or have attended one of the United States Service Academies for at least one year, will receive credit for the ROTC Basic Course and will not have to attend LTC. These students will begin ROTC as MS III's. They will attend LDAC the following year, enroll as MS IV's and be commissioned upon graduation. Students who have had four years of ROTC in high school can, at the discretion of the Professor of Military Science, be given placement credit for the basic course and will enter as MS III's without attending LTC.

FINANCIAL AID

Students who attend institutions that do not have ROTC are eligible to apply for the ROTC two-year scholarships before attending LTC. The scholarship will pay Fall & Spring Semester tuition, selected fees, and a book allowance. All students enrolled in the ROTC Advance Course and all scholarship students receive a monthly subsistence allowance during the school year. Students are also paid for the period of their attendance at the Leader's Training Course (LTC) and the Leader Development Assessment Course (LDAC).

COMMISSIONING REQUIREMENTS

In order to receive commissions, students must meet Tennessee Tech graduation requirements, complete required Military Science courses, meet the Army height/weight requirements, and pass the Army Physical Fitness Test.

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