

TRANSFER AGREEMENT

2021-22

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.

CONTENTS

| | |
|--|----|
| Transfer Agreement Policies | i |
| Admissions Standards | i |
| Application | i |
| Expenses | i |
| Scholarship Information | i |
| Undergraduate Colleges and Departments | ii |
| Questions Directory | ii |
| College of Agriculture and Human Ecology | 1 |
| College of Engineering | 2 |
| Army ROTC | 4 |
| Index | 5 |

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.
6. Applicants will be notified of their admissions 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. Admission decisions will be e-mailed to the address provided by the student. You may also check your application status by logging back into your application.
7. Once accepted, your transcript evaluation will be able to be viewed. Only the credit, and not the grade, will transfer for academic and graduation purposes. Check out www.tntech.edu/transfer for your next steps (setting up student email, applying for housing, proper health forms, advisement, orientation, etc.)
8. All non-commuting freshmen must live in university housing. Please visit www.tntech.edu/reslife (or call 931-372-3414) for more information.

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 and prerequisite course requirements for the major of your choice for additional information.

Application

1. Apply online at www.tntech.edu/admissions/apply. Application priority deadlines for desired terms: [Fall = Aug. 1, Spring = Dec. 1, Summer = May 1]
2. Pay the \$25 application fee (if you've never paid it before) at the end of the application. If you choose not to pay at this time, you can log back into the online portal to pay later.
3. Request ALL official transcripts be sent to TTU Admissions as soon as possible (including terms in progress). Make sure that you have final grades sent, as well, once they are posted. Please send to the mailing address listed below.
4. The grade point average (GPA) used for Admissions purposes will include grades earned at all previous institutions.
5. Students who have NOT earned 24 hours of transferrable work should also submit a high school transcript or GED scores (along with ACT and/or SAT scores). Students who have not successfully completed college-level math or English courses must follow ACCUPLACER testing guidelines.

Mailing Address:
TTU Admissions Office
P.O. Box 5006
Cookeville, TN 38505

Physical Address:
Admissions Office
Jere Whitson (208)
805 Quadrangle
Cookeville, TN 38505

Contact Information:
Phone: (931) 372-3888
Toll Free: (800) 255-8881
admissions@tntech.edu
M-F 8 am-4:30pm (CT)

To schedule a date to visit TTU, please sign up at www.tntech.edu/visit.

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 website at www.tntech.edu/scholarships/ The scholarship deadline date is December 15 for the next academic year. But, additional dates are applicable for transfer students. For more information, please visit www.tntech.edu/tsapp.

Undergraduate Colleges and Departments

College of Agriculture and Human Ecology

School of Agriculture
School of Human Ecology

College of Arts and Sciences

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

College of Business

Accounting
Decision Sciences and Management
Economics, Finance and Marketing

College of Education

Counseling and Psychology
Curriculum and Instruction
Exercise Science, Physical Education and
Wellness

College of Engineering

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

College of Fine Arts

School of Art, Craft, and Design
Appalachian Center for Crafts
School of Music

College of Interdisciplinary Studies

Communication
School of Environmental Studies
School of Interdisciplinary Studies
School of Professional Studies

Whitson Hester School of Nursing

Questions? Contact

| | | |
|-----------------------------|--|----------|
| Academic Records | Registrar, Jere Whitson 221 | 372-3317 |
| Admissions | Admissions Office, Jere Whitson 208 | 372-3888 |
| Athletics | Athletics, Hooper Eblen 300 | 372-3940 |
| Auto Registration | Parking and Transportation, Roaden University Center 122 | 372-6428 |
| Bills | Business Office, Derryberry Hall 100 | 372-3311 |
| Books and Supplies | University Store, Roaden University Center G-7 | 372-3131 |
| College of | | |
| Agriculture & Human Ecology | Dean's Office, Oakley Hall 102 | 372-3149 |
| Arts & Sciences | Dean's Office, Henderson Hall 208 | 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 |
| Student Success Center | T.J. Farr 202 | 372-6036 |
| Engineering | Dean's Office, Clement Hall 201 | 372-3172 |
| Student Success Center | Clement Hall 206 | 372-3833 |
| Interdisciplinary Studies | Dean's Office, Southwest Hall 141A | 372-3366 |
| Student Success Center | Southwest Hall 146 | 372-6238 |
| School of Nursing | Academic Advisors, Whitson-Hester School of Nursing 206 | 372-3229 |
| Counseling | Counseling Center, Roaden University Center 307 | 372-3331 |
| Financial Aid | Financial Aid Office, Jere Whitson 302 | 372-3073 |
| Fraternities | Student Activities & Campus Life, Roaden University Center 234 | 372-3236 |
| Housing | Office of Residential Life, MS Cooper 217 | 372-3414 |
| Launchpad | Volpe Library 180 | 372-6798 |
| Religious Opportunity | Student Activities & Campus Life, Roaden University Center 234 | 372-3236 |
| Student Government | Student Activities & Campus Life, Roaden University Center 234 | 372-3236 |
| Student Organizations | Student Activities & Campus Life, Roaden University Center 234 | 372-3236 |
| Office of Teacher Education | College of Education, T.J. Farr 103 | 372-3170 |
| Veteran Certification | Military and Veterans Affairs, Jere Whitson 324 | 372-3070 |

COLLEGE OF AGRICULTURE AND HUMAN ECOLOGY
SCHOOL OF AGRICULTURE
AGRICULTURE

Turfgrass Management Concentration

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

| | | |
|-------------------------------|--------------------------------|-----|
| ENGL 1010, 1020 | Composition I, II | 6 |
| MATH 1530, 1630, 1830 or 1910 | | 3-4 |
| CHEM 1110, 1111, 1120, 1121 | | 8 |
| AGRI 1020, 1021 | Introduction to Animal Science | 4 |
| AGRI 1030, 1031 | Introduction to Plant Science | 4 |
| INFS 1010 | Computer Applications | 3 |
| COMM 2025 | Fundamentals of Communication | 3 |

Total 31-32

Sophomore Year

| | | |
|-------------------------------|---|-----|
| BIOL 2210, 2211 | General Botany I | 4 |
| ENGL 2110, 2120 | American Literature I, II or | |
| ENGL 2410, 2420 | Western World Lit. I, II | 3 |
| HIST 2010, 2020 | American History I, II | 6 |
| ECON 2010, 2020 | Macroeconomics, Microeconomics | 6 |
| AGRM 1610, 1611 | Turf Power Equipment | 3 |
| | Humanities/Fine Arts Electives ¹ | 6 |
| MATH 1530, 1630, 1830 or 1910 | | 3-4 |

Total 31-32

TENNESSEE TECHNOLOGICAL UNIVERSITY

Dr. Bruce Greene, Director Phone: (931) 372-3019

Junior Year

| | | |
|----------------------------|--|---|
| AGBE 2100 | Economics of Agriculture | 3 |
| AGR 1020 | Connections to Agriculture | 1 |
| ACCT 2110, 2120 | Principles of Accounting I, Principles of Accounting II | 6 |
| AGET 3320 | Small Power Equipment | 2 |
| AGET 3325 | Small Power Equipment Lab | 1 |
| AGRN 3100 | Turfgrass Management | 3 |
| AGHT 3470 | Landscape Plant Materials | 3 |
| AGBE 3400 | Agricultural Finance | 3 |
| Upper Division Ag Elective | | 3 |
| BIOL 3330 | Entomology | 3 |
| AGRN 3000 | Soils | 4 |

Total 32

Senior Year

| | | |
|--|---|---|
| AGR 2022 | Professionalism in Agriculture and Human Ecology | 1 |
| AGR 3000 or 3200 | | 3 |
| AGR 4500 | Senior Seminar | 1 |
| AGHT 3030 | Integrated Pest Management | 3 |
| AGRN 4100 | Weed Science | 3 |
| AGRN 4210 | Soil Fertility & Fertilizers | 3 |
| AGBE 4030 | Agribusiness Management | 3 |
| Directed Business Electives ² | | 6 |
| Upper Division Ag Elective | | 3 |
| Elective | | 2 |

Total 28

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

²Choose two courses (six hours) from the following: LAW 2810, BMGT 3510, BMGT 3630, MKT 3400, MKT 3430, MKT 4500.

Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

AGRICULTURE**Agriculture Education Concentration****WALTERS STATE COMMUNITY COLLEGE**

Degree: Associate of Science

Freshman Year

| | | |
|-----------------|--------------------------------|---|
| ENGL 1010, 1020 | Composition I, II | 6 |
| MATH 1530 | Introductory Statistics | 3 |
| CHEM 1010, 1011 | Introductory Chemistry I, Lab | 4 |
| AGRI 1020, 1021 | Introduction to Animal Science | 4 |
| AGRI 1030, 1031 | Introduction to Plant Science | 4 |
| ICOMM 2025 | Fundamentals of Communication | 3 |
| Electives | | 2 |

| | | |
|-------|--|----|
| Total | | 26 |
|-------|--|----|

Sophomore Year

| | | |
|---|------------------------------|---|
| BIOL 1120, 1121 | General Biology II, Lab | 4 |
| EDUC 2210 | Educational Psychology | 3 |
| ENGL 2110, 2120 | American Literature I, II or | |
| ENGL 2410, 2420 | Western World Lit. I, II | 3 |
| HIST 2010, 2020 | American History I, II | 6 |
| Social/Behavioral Electives ¹ | | 6 |
| AGRM 1610, 1611 | Turf Power Equipment | 3 |
| Humanities/Fine Arts Electives ¹ | | 6 |

| | | |
|-------|--|----|
| Total | | 31 |
|-------|--|----|

TENNESSEE TECHNOLOGICAL UNIVERSITY

Dr. Bruce Greene, Director Phone: (931) 372-3019

Junior Year

| | | |
|-------------------|----------------------------------|---|
| AGBE 2100 | Economics of Agriculture | 3 |
| AGR1020 | Connections to Agriculture | 1 |
| AGED 2120 | Intro to Ag and Extension Ed | 3 |
| AGED 4110 | Methods of Teaching Agriscience | 3 |
| AGHT 3410 | Plant Propagation | 3 |
| ANS 3130 | Animal Breeding | 3 |
| FOED 3010 | Integrating Instructional | |
| | Technology into the Classroom | 3 |
| AGED 4200 | Methods and Techniques of | |
| | Teaching in Agricultural and | |
| | Extension Education | 3 |
| AGED 4300 | Development of Youth Programs in | |
| | Agricultural and Extension Ed | 3 |
| AGRN 2000 | Soil and the Environment | 3 |
| AGHT 4410 or 4420 | | 3 |
| MATH 1130 | College Algebra | 3 |

| | | |
|-------|--|----|
| Total | | 31 |
|-------|--|----|

Senior Year

| | | |
|--|-----------------------------------|----|
| AGR 2022 | Professionalism in Agriculture | |
| | and Human Ecology | 1 |
| AGED 4871 | Residency I | 5 |
| AGED 4872 | Professional Seminar I | 5 |
| AGED 4881 | Residency II | 10 |
| AGED 4882 | Professional Seminar II | 2 |
| AGHE 4500 | Senior Seminar | 1 |
| Upper Division Agriculture Elective ² | | 3 |
| SPED 3000 | Teachng Persons with Disabilities | |
| | in the Regular Classroom | 3 |

| | | |
|-------|--|----|
| Total | | 30 |
|-------|--|----|

¹Select ECON 2100, ECON 2200, PSY 1030 or SOCI 1010.²No more than one course from any Agriculture discipline (AGBE, AGED, AGET, AGHT, AGRN and ANS).**Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.**

AGRICULTURE

Agriculture Engineering Concentration

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

| | | |
|-------------------------------|--------------------------------|-----|
| ENGL 1010, 1020 | Composition I, II | 6 |
| MATH 1530, 1630, 1830 or 1910 | | 3-4 |
| CHEM 1110, 1120 | Introductory Chemistry I & II | 8 |
| AGRI 1020, 1021 | Introduction to Animal Science | 4 |
| AGRI 1030, 1031 | Introduction to Plant Science | 4 |
| INFS 1010 | Computer Applications | 3 |
| COMM 2025 | Fundamentals of Communication | 3 |

Sophomore Year

| | |
|---|------------------------------|
| BIOL1010, 1020, 1120, 2310; PHYS 2010 or 2020 | 8 |
| ENGL 2110, 2120 | American Literature I, II or |
| ENGL 2410, 2420 | Western World Lit. I, II |
| HIST 2010, 2020 | American History I, II |
| Social/Behavioral Electives ¹ | 6 |
| Humanities/Fine Arts Electives ¹ | 6 |

| | | | |
|-------|-------|-------|----|
| Total | 31-32 | Total | 29 |
|-------|-------|-------|----|

TENNESSEE TECHNOLOGICAL UNIVERSITY

Dr. Bruce Greene, Director Phone: (931) 372-3019

Junior Year

| | | |
|---|---|---|
| AGR 1020 | Connections to Agriculture | 1 |
| AGBE 2100 | Economics of Agriculture | 3 |
| AGRN 3000 | Soils | 4 |
| ACCT 3720 | Survey of Accounting | 3 |
| AGET 1600 | Practical Applications in Agricultural Systems | 3 |
| AGET 2110, 2115 | Agricultural Engineering Tech | 3 |
| AGET 3110, 3115 | Natural Resource Systems, Lab | 3 |
| AGET 3320, 3325 | Small Power Equipment, Lab | 3 |
| AGET 3540 | Fundamentals of GIS and GPS in Ag and Natural Resources | 3 |
| AGET 3620 | Computer-Aided Design in Ag | 3 |
| Upper Division Ag Elective ² | | 6 |

Senior Year

| | | |
|--|--|---|
| AGR 2022 | Professionalism in Agriculture and Human Ecology | 1 |
| AGET 3520 | Agricultural Spatial Technologies I | 3 |
| BMGT 3510 | Management and Organization Behavior | 3 |
| AGET 4220, 4225 | Agricultural Machinery and Tractors, Lab | 3 |
| AGET 4620 | Agricultural Structures | 3 |
| AGET 4720 | Agricultural Processing | 3 |
| AGET 4850 | Engineering Technology Design for Agriculture | 3 |
| AGR 3000 or 3200 | | 3 |
| AGET 3510, 3560/3565, 4510, 4520, 4540, 4940, 4950, 4960, 4970, 4980; AGR 4920, 3940, 3950 or 3960 | | 3 |

| | | | |
|-------|----|-------|----|
| Total | 35 | Total | 25 |
|-------|----|-------|----|

¹Select two courses from Walters States approved General Education list.

²Select course from any discipline.

Students must complete 50 hours at senior institution with 36 hours of upper-division credit at the 3000-4000 level.

COLLEGE OF ARTS AND SCIENCES

DEPARTMENT OF BIOLOGY

WILDLIFE AND FISHERIES SCIENCE

Conservation Biology Concentration

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science

Freshman Year

ENGL 1010, 1020 Composition I, II
 BIOL 1110, 1111, 1120, 1121
 General Biology I, II
 CHEM 1010, 1011/1020, 1021
 MATH 1530 Introductory Statistics
 Humanities/Fine Arts Elective
 Social/Behavioral Elective

Total

31

Sophomore Year

BIOL 2310, 2310 General Botany 4
 COMM 2025 Fundamentals of Communication 3
 ENGL 2110, 2120 Early American or Modern Lit or 3
 ENGL 2410, 2420 Early European or Modern Lit 3
 HIST 2010, 2020 Early US, Modern US History 6
 GEOL 1030, 1031 Survey of Geology, Lab 4
 MATH 1710 Pre-calculus Algebra 3
 Humanities/Fine Arts Elective 3
 Social/Behavioral Elective 3

Total

30

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Chris Brown, Department Chairman - Pennebaker Hall 207, Phone: (931) 372-3134

Junior Year

BIOL 1000 Intro to Biological Methods 1
 BIOL 3240 Field Botany 3
 BIOL 3330 or 4610 3
 BIOL 3810 General Genetics 4
 BIOL 3920 Biological Communication Skills 3
 BIOL 4220 or MATH 3070 3
 Conservation Biology Directed Electives¹ 3-4
 WFS 3130 General Ecology 4
 WFS 4810 or 4830 3
 Electives 3

Total

29-30

Senior Year

BIOL 4330 or 4340 3
 WFS 4500 National Wildlife Policy 3
 WFS 4700 Habitat Management 3
 WFS 4711 Fisheries Management 3
 WFS 4630 or 4820 3
 WFS 4730 Conservation Biology 3
 WFS 4740 Wildlife Principles 2
 Conservation Biology Directed Electives¹ 6-7
 Electives 3-4

Total

30-31

¹Select three of the following courses (9-11 hours):

AGHT 3450 Dendrology
 AGRN 3000 Soils
 BIOL 3530 Animal Physiology
 BIOL 4320 Plant Physiology
 BIOL 4780 Phycology
 BIOL 4840 Limnology
 GEOG 4510 or WFS 4870 (Only one of these two courses will count toward this requirement.)
 WFS 4650 Marine Biology
 WFS 4770 Nongame Species Management
 WFS 4800 Conservation Techniques

WILDLIFE AND FISHERIES SCIENCE**Fisheries Science Concentration****WALTERS STATE COMMUNITY COLLEGE**

Degree: Associate of Science

Freshman Year

ENGL 1010, 1020 Composition I, II
 BIOL 1110, 1111, 1120, 1121
 General Biology I, II
 CHEM 1010, 1011/1020, 1021
 MATH 1530 Introductory Statistics
 Humanities/Fine Arts Elective
 Social/Behavioral Elective

Total

31

Sophomore Year

BIOL 2310, 2310 General Botany 4
 COMM 2025 Fundamentals of Communication 3
 ENGL 2110, 2120 Early American or Modern Lit or 3
 ENGL 2410, 2420 Early European or Modern Lit 3
 HIST 2010, 2020 Early US, Modern US History 6
 GEOL 1030, 1031 Survey of Geology, Lab 4
 MATH 1710 Pre-calculus Algebra 3
 Humanities/Fine Arts Elective 3
 Social/Behavioral Elective 3

Total

29

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Chris Brown, Department Chairman - Pennebaker Hall 207, Phone: (931) 372-3134

Junior Year

BIOL 1000 Intro to Biological Methods 1
 BIOL 3240 Field Botany 3
 BIOL 3810 General Genetics 4
 BIOL 3920 Biological Communication Skills 3
 BIOL 4220 or MATH 3070 3
 Fisheries Science Directed Elective¹ 6-7
 WFS 3130 General Ecology 4
 WFS 4710 Fisheries Management 4
 WFS 4740 Wildlife Principles 2

Total

29-30

Senior Year

BIOL 4610 Invertebrate Zoology 3
 BIOL 4780 Phycology 3
 WFS 4500 National Wildlife Policy 3
 WFS 4760 Fish Culture 4
 WFS 4810 Ichthyology 3
 WFS 4840 Limnology 3
 Fisheries Science Directed Elective¹ 3-4
 Electives 7-9

Total

30-31

¹Select three of the following courses (9-11 hours):

AGRN 3000 Soils
 BIOL 3530 Animal Physiology
 BIOL 4330 Plant Ecology
 GEOG 3200 Water Resources
 GEOG 4510 or WFS 4870¹
 WFS 3500 Wildlife Law Enforcement
 WFS 4230 Animal Behavior
 WFS 4630 Ornithology
 WFS 4640 Waterfowl Ecology and Management
 WFS 4650 Marine Biology
 WFS 4730 Conservation Biology
 WFS 4770 Nongame Species Management
 WFS 4820 Mammalogy
 WS 4830 Herpetology

¹Only one of these two courses will count toward this requirement.

WILDLIFE AND FISHERIES SCIENCE**Wildlife Science Concentration****WALTERS STATE COMMUNITY COLLEGE**

Degree: Associate of Science

Freshman Year

| | | |
|-------------------------------|-----------------------------------|---|
| ENGL 1010, 1020 | Composition I, II | 6 |
| BIOL 1110, 1111, 1120, 1121 | General Biology I, II | 8 |
| CHEM 1010, 1011/1020, 1021 | Introductory Chemistry I, II, Lab | 8 |
| MATH 1530 | Introductory Statistics | 3 |
| Humanities/Fine Arts Elective | | 3 |
| Social/Behavioral Elective | | 3 |

Total 31

Sophomore Year

| | | |
|-------------------------------|---------------------------------|---|
| COMM 2025 | Fundamentals of Communication | 3 |
| BIOL 2310, 2311 | General Botany I, Lab | 4 |
| ENGL 2110, 2120 | Early American or Modern Lit or | |
| ENGL 2410, 2420 | Early European or Modern Lit | 3 |
| HIST 2010, 2020 | Early US, Modern US History | 6 |
| GEOL 1030, 1031 | Survey of Geology, Lab | 4 |
| MATH 1710 | Pre-calculus Algebra | 3 |
| Humanities/Fine Arts Elective | | 3 |
| Social/Behavioral Elective | | 3 |

Total 29

TENNESSEE TECHNOLOGICAL UNIVERSITY

Advisor: Dr. Chris Brown, Department Chairman - Pennebaker Hall 207, Phone: (931) 372-3134

Junior Year

| | | |
|---|-----------------------------|-----|
| AGHT 3450 | Dendrology | 3 |
| BIOL 1000 | Intro to Biological Methods | 1 |
| BIOL 3240 | Field Botany | 3 |
| BIOL 3810 | General Genetics | 4 |
| BIOL 4220 or MATH 3070 | | 3 |
| WFS 3130 | General Ecology | 4 |
| WFS 3500 | Wildlife Law Enforcement | 3 |
| WFS 4660 | Wild Bird Ecology | 3 |
| WFS 4740 | Wildlife Principles | 2 |
| WFS 4830 | Herpetology | 3 |
| Wildlife Science Directed Elective ¹ | | 3-4 |

Total 31-32

Senior Year

| | | |
|---|---------------------------------|-----|
| BIOL 3920 | Biological Communication Skills | 3 |
| WFS 4500 | National Wildlife Policy | 3 |
| WFS 4670 | Wild Mammal Ecology | 3 |
| WFS 4700 | Habitat Management | 3 |
| WFS 4711 | Fisheries Management | 3 |
| WFS 4790 | Wildlife Techniques | |
| | (Taken during summer term) | 6 |
| Wildlife Science Directed Elective ¹ | | 3-4 |
| Elective | | 3-4 |

Total 28-29

¹ Select two of the following courses (6-7 hours):

AGRN 3000 Soils
 BIOL 3530 Animal Physiology
 BIOL 4330 Plant Ecology

GEOG 4510 or WFS 4870 (Only one of these two classes will count toward this requirement.)

WFS 4640 Waterfowl Ecology and Management
 WFS 4730 Conservation Biology
 WFS 4770 Nongame Species Management
 WFS 4810 Ichthyology

COLLEGE OF ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

CHEMICAL ENGINEERING

7/14/21

WALTERS STATE COMMUNITY COLLEGE

Degree: Associate of Science -- Emphasis -- Pre-Engineering

| Freshman Year² | | | Sophomore Year | | |
|--|---------------------------------------|--------------|---|--|-----------|
| CHEM 1110, 1111, 1120, 1121 | General Chemistry I, II w/lab | 8 | CHEM 2010, 2011, 2020, 2021 | | |
| CISP 1010, 1011 | Computer Science I OR | | | Organic Chemistry I, II w/lab | 8 |
| CPSC 2170, 2171 | Computer Programming Math/Engineering | 4 or 3 | ENGL 2110 or 2120 | Early American or Modern Lit <u>OR</u> | |
| MATH 1910, 1920 | Calculus I, II | 8 | ENGL 2410 or 2420 | Early European or Modern Lit | 3 |
| ENGL 1010, 1020 | Composition I, II | 6 | PHYS 2110, 2111, 2120, 2121 | Physics I, II w/ Lab | 8 |
| COMM 2025 | Fundamentals of Communication | 3 | MATH 2010 | Introduction to Linear Algebra | 3 |
| Approved Humanities/Fine Arts Elective | | 3 | MATH 2110 | Calculus III | 4 |
| Approved Social/Behavioral Science Electives | | 3 | MATH 2120 | Differential Equations | 3 |
| | | | HIST 2010, 2020 ² | Early US, Modern US History | 6 |
| | | | Approved Humanities/Fine Arts Elective | | 3 |
| | | | Approved Social/Behavioral Science Elective | | 3 |
| Total | | 33-36 | Total | | 33 |

TENNESSEE TECHNOLOGICAL UNIVERSITY

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

| Junior Year³ | | | Senior Year | | |
|---------------------------------|---|-----------|--------------------------------------|--|-----------|
| CHE 1020 | Processes, Products and Ethics | 1 | CHE 4050, 4051 | Transfer Science III: Diffusion and Diffusive-Convection Mass Transfer | 4 |
| CHE 2015, 2020 | Intro to Chemical and Biological Process Analysis and Scaling I, II | 6 | CHE 4060, 4061 | Chemical Reaction Engineering | 4 |
| CHE 3010 | Thermodynamics of Chem Processes | 3 | CHE 4250 | ChE Capstone Lab | 2 |
| CHE 3510, 3511 | Separations & Solution Thermodynamics | 4 | CHE 4410, 4420 | Process Design I, II | 6 |
| CHE 3050, 3051 | Transfer Science I: Conduction, Radiation, and Diffusion | 4 | CHE 4540 | Process Dynamics & Control | 3 |
| CHE 3550, 3551 | Transfer Science II: Fluid Mechanics | 4 | ChE Technical Electives ⁵ | | 6 |
| CHE 3735 | Chemical Engineering Operations | 2 | CHEM 3510, 3520 | Physical Chemistry | 8 |
| Technical Elective ⁴ | | 3 | Technical Elective ⁴ | | 3 |
| Total | | 26 | Total | | 36 |

1. HIST 2010, 2020 American History I, II are requirements for the AS degree at Walters State only.
2. 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.
3. Students must apply to the CHE Fast-Track MS program by the end of their second junior term.
4. Six hours of Technical Electives can be from any of the following courses:
 - a. Any College of Engineering course at the 3000 or 4000 level.
 - b. Any BIOL/CHEM/MATH/PHYS at the 3000 or 4000 level.
 - c. Any course with the prior approval of the ChE Undergraduate Program Coordinator.
5. Six hours of ChE Technical Electives must come from one of the following courses:
 - a. ChE 4245 – Clinical Immersion
 - b. ChE 4330 – Polymer Engineering
 - c. ChE 4335 – Fuel Cells
 - d. ChE 4340 -- Introduction to Rheology
 - e. ChE 4440 – Protein Engineering
 - f. ChE 4550 -- Green Engineering
 - g. ChE 4560 -- Agile Manufacturing
 - h. ChE 4661 – Transport in Biochemical and Biological Processes
 - i. ChE 4990 – Undergraduate Research

Students must complete 50 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-- Emphasis -- Pre-Engineering

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, 1011 ¹ | Computer Science I | 4 |
| COMM 2025 | Fundamentals of Communication | 3 |

Total 31

Sophomore Year

| | | |
|------------------------------|---|---|
| CISP 1020 | Computer Science II | 4 |
| 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 2010 | Introduction to Linear Algebra | 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: Carol McGee, Professional Advisor - Clement Hall 318, cmcgee@tntech.edu
(Recommend advisor be contacted prior to transfer.)

Third Year

| | | |
|-----------|---|----|
| CSC 2400 | Design of Algorithms | 3 |
| 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 2110 | Calculus III | 4 |
| MATH 2120 | Differential Equations | 4 |
| MATH 3470 | Introductory Probability and Statistics | 3 |
| | Total | 25 |

Fifth Year

| | | |
|----------------------------|---------------------------------|----|
| ECE 4961, 4971 | Capstone Design I, II | 6 |
| ECE 4110 | Digital System Design | 3 |
| ECE 4120 | Fundamentals of Computer Design | 3 |
| EE elective ⁴ | | 3 |
| CmpE Elective ⁴ | | 4 |
| CSC 4100 | Operating Systems | 3 |
| CS Elective ⁴ | | 3 |
| | Total | 25 |

Fourth Year

| | | |
|----------------------------|-----------------------------------|----|
| CSC 2500 | Unix Lab | 1 |
| CSC 4200 | Computer Networks | 3 |
| ECE 3010 | Signals & Systems | 3 |
| ECE 3020 | Discrete-Time Signals and Systems | 3 |
| ECE 3060 | EE Lab II | 1 |
| ECE 3130 | Microcomputer Systems | 4 |
| ECE 3300 | Electronics I | 3 |
| ECE 3160 | Digital Systems Laboratory | 1 |
| ECE 4140 | Embedded System Design | 3 |
| ECE 3920 | Professional Issues in ECE | 1 |
| CmpE Elective ⁴ | | 1 |
| | Total | 24 |

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 50 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 IVs 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.

INDEX
(Alphabetized by College)

College of Agriculture and Human Sciences
 School of Agriculture
 Agriculture-Turfgrass Management..... 1
 Agriculture-Agriculture Education..... 2
 Agriculture-Agriculture Engineering 3
College of Arts and Sciences
 Department of Biology
 Wildlife and Fisheries Science-Conservation Biology 4
 Wildlife and Fisheries Science-Fisheries Science..... 5
 Wildlife and Fisheries Science-Wildlife Science..... 6
College of Engineering
 Department of Chemical Engineering 7
 Department of Electrical and Computer Engineering..... 8
Army ROTC 9

| | |
|---|---|
| Agriculture-Turfgrass Management | 1 |
| Agriculture-Agriculture Education | 2 |
| Agriculture-Agriculture Engineering | 3 |
| Chemical Engineering | 7 |
| Computer Engineering..... | 8 |
| Wildlife and Fisheries Science-Conservation Biology | 4 |
| Wildlife and Fisheries Science-Fisheries Science | 5 |
| Wildlife and Fisheries Science-Wildlife Science | 6 |
| Army ROTC | 9 |