

2024 - 2025

# Career & College PROMISE PROGRAMS

COLLEGE TRANSFER PATHWAYS and  
CAREER AND TECHNICAL EDUCATION PATHWAYS

A place of promise.



Forsyth Tech  
COMMUNITY COLLEGE

CAREER & COLLEGE PROMISE



# TABLE OF CONTENTS

College Transfer Pathway Eligibility.....	5
College Readiness Benchmarks.....	6
Direct Placement for Math 271 Calculus I.....	7
Advising Notes.....	7
Associate in Arts Pathway.....	8
Associate in Science Pathway.....	10
Associate in Engineering Pathway.....	12
Associate in Fine Arts Pathway.....	14
Associate in Arts Teacher Prep Pathway.....	16
Associate in Science Teacher Prep Pathway.....	18
Associate in Health Science Pathway.....	20
Career and Technical Education Pathways Eligibility.....	22
Business and Office Technologies Pathways.....	24
Education and Human Services Pathways.....	30
Engineering and Trades Pathways.....	32
Information Technology Pathways.....	38
Public Safety Pathways.....	42
Science Pathways.....	43
Transportation Pathways.....	44
Steps to Apply, Enroll, and Succeed.....	47

COLLEGE CREDITS  
**TUITION-FREE**  
FOR QUALIFIED HIGH SCHOOL STUDENTS

Career and College Promise is North Carolina's dual enrollment program. Eligible high school students can choose from different pathways to accelerate completion of college certificates, diplomas, and associate degrees. These credentials can help jump start your career or post secondary education. And, **tuition is free!**

This booklet covers two of the pathways available at Forsyth Tech.

# PATHWAYS

## College Transfer Pathways (CTP)

- Seven college transfer pathways leading to associate degrees from fine arts to health sciences give students a jump start on their college education.
- The general education requirements in each of the college transfer pathways include courses selected from the Universal General Education Transfer Component (UGETC) of the Comprehensive Articulation Agreement with UNC system.
- Courses with a grade of C or better, will transfer to any UNC System or participating private college or university.
- Earning college credits while in high school provides considerable savings in time and money.

## Career Technical Education Pathways (CTE)

- Over 40 pathways in business, education, engineering and trades, information and digital technology, public safety, science, and transportation prepare students for the workplace.
- Credentials are state or industry recognized and provide high school students with the academic and technical skills necessary to succeed in future careers.

## Qualified high school students may choose:

- A College Transfer Pathway or a Career and Technical Education Pathway
- A College Transfer Pathway and a Career and Technical Education Pathway
- Two Career and Technical Education Pathways

# COLLEGE TRANSFER PATHWAYS



To be eligible for enrollment, a high school student must meet the following criteria as of the **first day** of the applicable term:

## **Juniors and Seniors**

- A. Be a high school junior or senior,
- B. Have an unweighted, cumulative GPA of 2.8 on high school courses, **or**
- C. Demonstrate college readiness on an approved assessment or placement test. See page 6 for college readiness scores.

## **Freshmen or sophomores:**

- A. Be a high school freshman or sophomore; **and**
- B. Be identified as gifted by
  - Local AIG plan in English/reading **and** math, **or**
  - An **aptitude and achievement** test as evidenced by a score in the range between the 92nd percentile and the 99th percentile on the aptitude **and** the achievement test included in the current Mental Measurements Yearbook published by the Buros Institute of Mental Measurements, **and**
- C. Demonstrate college readiness in English, reading **and** mathematics on an approved assessment. See page 6 for college readiness scores; **and**
- D. Receive a recommendation verifying the student has the maturity to enroll from their high school principal or equivalent administrator; **and** receive recommendation of AIG Coordinator; **and**
- E. Receive the approval of the college's chief student success and strategic innovation officer; **and**
- F. Receive written consent of the student's parent/guardian; **and**
- G. Receive academic advising prior to enrollment in the program.

**This booklet contains the pathways and courses for  
Academic year 2024-25.**

*Eligibility ends on the graduation date on the high school transcript.*

## College Readiness Benchmarks

Test	PSAT 10 and PSAT/NMSQT (2015 & Future)	SAT (March 2016 & Future)	Pre-ACT & ACT	NC DAP (NCCCS Cut Score)	RISE Placement Test
English	26 or a composite score of 460 for Evidence-Based Reading & Writing	480 composite score for Evidence-Based Reading & Writing	19	Composite score of 151 or higher	70 or higher on Tier 1 and Tier 2 (See RISE placement Guide)
Reading	26 or a composite score of 460 for Evidence-Based Reading & Writing		22		
Mathematics	24.5 or 510	530	22	7 on each assessment for DMA 010 thru 060	70 or higher on Tier 1 and Tier 2 and Tier 3 (See RISE placement Guide)

Advanced Placement (AP)		International Baccalaureate (IB)		Cambridge International Examinations	
English, Language & Composition	3 or higher	IB English A (Standard or Higher Level)	4 or higher	AS Level English Language	C or higher
English, Literature & Composition	3 or higher	IB Mathematics (Higher Level)	4 or higher	A Level English Language	C or higher
Calculus AB	3 or higher	IB Advanced Mathematics (Higher Level)	4 or higher	AS Level Language & Literature in English	C or higher
Calculus BC	3 or higher	IB Mathematical Studies (Standard Level)	4 or higher	AS Level Math	C or higher
<p>*To be eligible for enrollment in a College Transfer Pathway, students must demonstrate college readiness in English, reading, and mathematics on an approved test or tests. Eligibility may be demonstrated by achieving the required scores on a single test or by combining test scores from any of the approved assessments.</p> <p>For example, a student may combine a 22 on ACT math with a 480 on SAT composite score for evidence-based reading and writing to demonstrate college readiness.</p>				A Level Math	C or higher
				A Level Mathematics – Further	C or higher

**A student may place directly into MAT 271 if the student has met at least one of the following criteria within the last five years:**

- A score of 2 or higher on the AP Calculus AB Exam;
- A score of 46 or higher on the trigonometry section of the ACT Compass Math Placement Test;
- A score of 580 or higher on the old (prior to March 2016) SAT Math and a grade of C or higher in the NC Course of Study Pre-Calculus or an equivalent course from another state;
- A score of 600 or higher on the new (March 2016 and beyond) SAT Math and a grade of C or higher in the NC Course of Study Pre-Calculus or an equivalent course from another state;
- A score of 24 or higher on the ACT Math and a grade of C or higher in the NC Standard Course of Study Pre-Calculus course or an equivalent course from another state;
- A score of 560 or higher on the SAT Subject Test in Mathematics Level 2;
- Local diagnostic exam or challenge exam which demonstrates proficiency in Pre-Calculus course(s);
- An unweighted HS GPA of 3.5 or higher and a grade of C or higher in the NC Course of Study Pre-Calculus or an equivalent course from another state.

### **Please Note:**

- Student's may choose from seven college transfer pathways. The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.
- Most classes are 8 weeks long. It is advisable to start slow. It is not recommended students take more than two classes per term.

# COLLEGE TRANSFER PATHWAY LEADING TO THE Associate in Arts (P1012C)

The CCP College Transfer Pathway leading to the Associate in Arts is designed for **qualified high school students** who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in a **non-STEM major**.

## GENERAL EDUCATION (31-32 Credits)

All Universal General Education Transfer Component courses with a grade of C or better will transfer for equivalency up to the distribution limit detailed in the Comprehensive Articulation Agreement.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
<i>The following two English composition courses are required</i>		
ENG-111	Writing & Inquiry	3 _____
ENG-112*	Writing/Research in the Disciplines	3 _____
<b>Communications/ Humanities/Fine Arts</b>		<b>9 Credits</b>
<i>Select three courses from at least two different disciplines</i>		
COM-120	Intro to Interpersonal Communication	3 _____
COM-231	Public Speaking	3 _____
ART-111	Art Appreciation	3 _____
ART-114	Art History Survey I	3 _____
ART-115	Art History Survey II	3 _____
DRA-111	Theater Appreciation	3 _____
ENG-231*	American Literature I	3 _____
ENG-232*	American Literature II	3 _____
ENG-241*	British Literature I	3 _____
ENG-242*	British Literature II	3 _____
MUS-110	Music Appreciation	3 _____
MUS-112	Introduction to Jazz	3 _____
PHI-215*	Philosophical Issues	3 _____
PHI-240*	Introduction to Ethics	3 _____
<b>Social/Behavioral Sciences</b>		<b>9 Credits</b>
<i>Select three courses from at least two different disciplines</i>		
ECO-251	Principles of Microeconomics	3 _____
ECO-252	Principles of Macroeconomics	3 _____
HIS-111	World Civilizations I	3 _____
HIS-112	World Civilizations II	3 _____
HIS-131	American History I	3 _____
HIS-132	American History II	3 _____
POL-120	American Government	3 _____
PSY-150	General Psychology	3 _____
SOC-210	Introduction to Sociology	3 _____



Course	Title	Credits
<b>Math</b> <i>Select one course:</i>		<b>3–4 credits</b>
MAT-143	Quantitative Literacy	3 _____
MAT-152	Statistical Methods I	4 _____
MAT-171	Precalculus Algebra	4 _____
<b>Natural Sciences</b> <i>Select one group of courses:</i>		<b>4 credits</b>
BIO-110	Principles of Biology	4 _____
BIO-111	General Biology I	4 _____
CHM-151	General Chemistry I	4 _____
GEL-111	Introductory Geology	4 _____
PHY-110	Conceptual Physics <b>and</b>	3 _____
PHY 110A	Conceptual Physics Lab	1 _____
<b>Academic Transition</b> <i>Required:</i>		<b>1 Credit</b>
ACA-122	College Transfer Success	1 _____
<b>Optional General Education Hours</b>		<b>0–8 Credits</b>

You may choose to take up to eight credits (courses/labs) in one language. The receiving university will determine if the courses will count as general education, pre-major, or elective credit.

SPA-111	Elementary Spanish I	3 _____
SPA-112*	Elementary Spanish II	3 _____
FRE-111	Elementary French I	3 _____
FRE-112*	Elementary French II	3 _____

**High school students in the CCP College Transfer Pathway leading to the Associate in Arts must complete the entire pathway before taking additional courses in the Associate in Arts degree except for mathematics courses in the Associate in Arts.**

### Total Credits in Pathway: 32–41

\*These courses have prerequisites that must be taken prior to this class.

**The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.**

# COLLEGE TRANSFER PATHWAY LEADING TO THE Associate in Science (P1042C)

The CCP College Transfer Pathway leading to the Associate in Science is designed for **qualified high school students** who wish to begin study toward the Associate in Science degree and a baccalaureate degree in a **STEM or technical major**.

## GENERAL EDUCATION (34 Credits)

All Universal General Education Transfer Component courses with a grade of C or better will transfer for equivalency up to the distribution limit detailed in the Comprehensive Articulation Agreement.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
<i>The following two English composition courses are required</i>		
ENG-111	Writing & Inquiry	3 _____
ENG-112*	Writing/Research in the Disciplines	3 _____
<b>Communications/ Humanities/Fine Arts</b>		<b>6 Credits</b>
<i>Select <b>two</b> courses from at least <b>two</b> different disciplines</i>		
COM-120	Intro to Interpersonal Communication	3 _____
COM-231	Public Speaking	3 _____
ART-111	Art Appreciation	3 _____
ART-114	Art History Survey I	3 _____
ART-115	Art History Survey II	3 _____
DRA-111	Theatre Appreciation	3 _____
ENG-231*	American Literature I	3 _____
ENG-232*	American Literature II	3 _____
ENG-241*	British Literature I	3 _____
ENG-242*	British Literature II	3 _____
MUS-110	Music Appreciation	3 _____
MUS-112	Introduction to Jazz	3 _____
PHI-215*	Philosophical Issues	3 _____
PHI-240*	Introduction to Ethics	3 _____
<b>Social/Behavioral Sciences</b>		<b>6 Credits</b>
<i>Select <b>two</b> courses from at least <b>two</b> different disciplines</i>		
ECO-251	Principles of Microeconomics	3 _____
ECO-252	Principles of Macroeconomics	3 _____
HIS-111	World Civilizations I	3 _____
HIS-112	World Civilizations II	3 _____
HIS-131	American History I	3 _____
HIS-132	American History II	3 _____

Course	Title	Credits
POL-120	American Government	3 _____
PSY-150	General Psychology	3 _____
SOC-210	Introduction to Sociology	3 _____

**Math** Select two courses from the following **8 Credits**

MAT-171	Precalculus Algebra	4 _____
MAT-172*	Precalculus Trigonometry	4 _____
MAT-263*	Brief Calculus	4 _____
MAT-271*	Calculus I	4 _____
MAT-272*	Calculus II	4 _____

**Natural Sciences** **8 Credits**

Select eight credits from the following. Note that most classes can only be taken in pairs.

BIO-111	General Biology I <b>and</b>	4 _____
BIO-112	General Biology II	4 _____
CHM-151	General Chemistry I <b>and</b>	4 _____
CHM-152	General Chemistry II	4 _____
PHY-151*	College Physics I <b>and</b>	4 _____
PHY-152	College Physics II	4 _____
PHY-251*	General Physics I <b>and</b>	4 _____
PHY 252*	General Physics II	4 _____
BIO-110	Principles of Biology	4 _____
GEL-111	Introductory Geology	4 _____
PHY-110	Conceptual Physics <b>and</b>	3 _____
PHY-110A	Conceptual Physics Lab	1 _____

**Academic Transition** The following course is required **1 Credit**

ACA-122	College Transfer Success	1 _____
---------	--------------------------	---------

**Optional General Education Hours** **0-8 Credits**

You may take up to eight credits (courses/labs) in one language. The receiving university will determine if the courses will count as general education, pre-major, or elective credit.

SPA-111	Elementary Spanish I	3 _____
SPA-112*	Elementary Spanish II	3 _____
FRE-111	Elementary French I	3 _____
FRE-112*	Elementary French II	3 _____

**Students in the CCP College Transfer Pathway leading to the Associate in Science must complete the entire pathway before taking additional courses in the Associate in Science degree, except for mathematics courses listed in the Associate in Science.**

## Total Credits in Pathway: 35-43

\*These courses have prerequisites that must be taken prior to this class.

**The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.**

# COLLEGE TRANSFER PATHWAY LEADING TO THE Associate in Engineering

(P1052C)

The CCP College Transfer Pathway leading to the Associate in Engineering is designed for **qualified high school students** who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a **STEM or technical major**.

## GENERAL EDUCATION (28 Credits)

All Universal General Education Transfer Component courses with a grade of C or better will transfer for equivalency up to the distribution limit detailed in the Comprehensive Articulation Agreement.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
<i>The following two English composition courses are <b>required</b></i>		
ENG-111	Writing & Inquiry	3 ____
ENG-112*	Writing/Research in the Disciplines	3 ____
<b>Communications/Humanities/Fine Arts</b>		<b>3 Credits</b>
<i>Select <b>one</b> course from the following</i>		
ART-111	Art Appreciation	3 ____
ART-114	Art History Survey I	3 ____
ART-115	Art History Survey II	3 ____
COM-231	Public Speaking	3 ____
ENG-231*	American Literature I	3 ____
ENG-232*	American Literature II	3 ____
ENG-241*	British Literature I	3 ____
ENG-242*	British Literature II	3 ____
MUS-110	Music Appreciation	3 ____
MUS-112	Introduction to Jazz	3 ____
PHI-215*	Philosophical Issues	3 ____
PHI-240*	Introduction to Ethics	3 ____
<b>Social/Behavioral Sciences</b> <i>The following course is <b>required</b></i>		<b>3 Credits</b>
ECO-251	Principles of Microeconomics	3 ____

Course	Title	Credits
<b>Mathematics</b> <i>The following courses are <b>required</b></i>		<b>8 Credits</b>
<i>Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses.*</i>		
MAT-271*	Calculus I	4 _____
MAT-272*	Calculus II	4 _____
<b>Natural Sciences</b>		<b>8 Credits</b>
CHM-151	General Chemistry I	4 _____
PHY-251*	General Physics I	4 _____
PHY 252*	General Physics II	4 _____
<b>Other Required Hours</b>		<b>6 Credits</b>
ACA-122	College Transfer Success	1 _____
EGR-150	Introduction to Engineering	2 _____
DFT-170	Engineering Graphics	3 _____
<b>*Prerequisite General Education Hours</b>		<b>0-8 Credits</b>
MAT-171	Precalculus Algebra	4 _____
MAT-172*	Precalculus Trigonometry	4 _____
<i>Students who do not place directly into MAT-271 must complete MAT-171 and MAT-172 prior to enrolling in MAT-271 Calculus I.</i>		

### **Optional General Education Hours** **0-8 Credits**

You may choose up to eight credits (courses/labs) in one language. The receiving university will determine if the courses will count as general education, pre-major, or elective credit.

SPA-111	Elementary Spanish I	3 _____
SPA-112*	Elementary Spanish II	3 _____
FRE-111	Elementary French I	3 _____
FRE-112*	Elementary French II	3 _____

**High school students in the CCP College Transfer Pathway Leading to the Associate in Engineering must complete the entire pathway before taking additional courses in the Associate in Engineering degree except for mathematics courses listed in the Associate in Engineering.**

## Total Semester Hours in Credit in Pathway: 34-50

*\*These courses have prerequisites that must be taken prior to this class.*

**The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.**

# COLLEGE TRANSFER PATHWAY LEADING TO THE Associate in Fine Arts (P1062C)

The CCP College Transfer Pathway leading to the Associate in Fine Arts in Visual Arts is designed for high school students who wish to begin study toward the Associate in Fine Arts in Visual Arts and a baccalaureate degree in Fine Arts-Visual Arts.

## GENERAL EDUCATION (25-26 Credits)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC) of the Comprehensive Articulation Agreement.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
<i>The following two English composition courses are <b>required</b></i>		
ENG-111	Writing & Inquiry	3 ____
ENG-112*	Writing/Research in the Disciplines	3 ____
<b>Communications/Humanities/Fine Arts</b>		<b>6 Credits</b>
<i>Select <b>two</b> courses from two different disciplines.</i>		
ART-111	Art Appreciation	3 ____
COM-120	Intro to Interpersonal Communication	3 ____
COM-231	Public Speaking	3 ____
DRA-111	Theatre Appreciation	3 ____
ENG-231*	American Literature I	3 ____
ENG-232*	American Literature II	3 ____
ENG-241*	British Literature I	3 ____
ENG-242*	British Literature II	3 ____
MUS-110	Music Appreciation	3 ____
MUS-112	Introduction to Jazz	3 ____
PHI-215*	Philosophical Issues	3 ____
PHI-240*	Introduction to Ethics	3 ____
<b>Social/Behavioral Sciences</b>		<b>6 Credits</b>
<i>Select <b>two</b> courses from two different disciplines.</i>		
ECO-251	Principles of Microeconomics	3 ____
ECO-252	Principles of Macroeconomics	3 ____
HIS-111	World Civilizations I	3 ____
HIS-112	World Civilizations II	3 ____
HIS-131	American History I	3 ____
HIS-132	American History II	3 ____
POL-120	American Government	3 ____
PSY-150	General Psychology	3 ____
SOC-210	Introduction to Sociology	3 ____

Course	Title	Credits
<b>Math</b> Select one course from the following		<b>3-4 credits</b>
MAT-143	Quantitative Literacy	3 _____
MAT-152	Statistical Methods I	4 _____
MAT-171	Precalculus Algebra	4 _____
MAT-271*	Calculus I	4 _____
<b>Natural Sciences</b> Select one course from the following		<b>4 credits</b>
BIO-110	Principles of Biology	4 _____
BIO-111	General Biology I	4 _____
CHM-151	General Chemistry I	4 _____
GEL-111	Introductory Geology	4 _____
PHY-110	Conceptual Physics <b>and</b>	3 _____
PHY 110A	Conceptual Physics Lab	1 _____
<b>Other Required</b> The following three courses are <b>required</b>		<b>7 Credits</b>
ART-121	Two Dimensional Design	3 _____
ART-131	Drawing I	3 _____
ACA-122	College Transfer Success	1 _____

### **Optional General Education Hours** **0-8 Credits**

You may choose up to eight credits (courses/labs) in one language. The receiving university will determine if the courses will count as general education, pre-major, or elective credit.

SPA-111	Elementary Spanish I	3 _____
SPA-112*	Elementary Spanish II	3 _____
FRE-111	Elementary French I	3 _____
FRE-112*	Elementary French II	3 _____

**High school students in the CCP College Transfer Pathway Leading to the AFA-Visual Arts must complete the entire pathway before taking additional courses in the AFA-Visual Arts degree with the exception of mathematics courses in the AFA- Visual Arts.**

## **Total Semester Hours in Credit in Pathway: 32-41**

\*These courses have prerequisites that must be taken prior to this class.

**The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.**

## COLLEGE TRANSFER PATHWAY LEADING TO THE Associate in Arts Teacher Prep (P1012T)

The CCP College Transfer Pathway leading to the Associate in Arts in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Arts in Teacher Preparation degree and a baccalaureate degree in teaching in a **non-STEM major**.

### GENERAL EDUCATION (31-32 Credits)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC) component of the Comprehensive Articulation Agreement.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
<i>The following <b>two</b> English composition courses are <b>required</b></i>		
ENG-111	Writing & Inquiry	3 _____
ENG-112*	Writing/Research in the Disciplines	3 _____
<b>Communications/Humanities/Fine Arts</b>		<b>9 Credits</b>
<i>Select <b>COM-231</b> and two other course from the following</i>		
COM-120	Introduction to Interpersonal Communication	3 _____
COM-231	Public Speaking	3 _____
ART-111	Art Appreciation	3 _____
ART-114	Art History Survey I	3 _____
ART-115	Art History Survey II	3 _____
DRA-111	Theatre Appreciation	3 _____
ENG-231*	American Literature I	3 _____
ENG-232*	American Literature II	3 _____
ENG-241*	British Literature I	3 _____
ENG-242*	British Literature II	3 _____
MUS-110	Music Appreciation	3 _____
MUS-112	Introduction to Jazz	3 _____
PHI-215*	Philosophical Issues	3 _____
PHI-240*	Introduction to Ethics	3 _____
<b>Social/Behavioral Sciences</b>		<b>6 Credits</b>
<i>Select <b>two</b> courses from <b>two</b> different disciplines.</i>		
ECO-251	Principles of Microeconomics	3 _____
ECO-252	Principles of Macroeconomics	3 _____
HIS-111	World Civilizations I	3 _____
HIS-112	World Civilizations II	3 _____
HIS-131	American History I	3 _____
HIS-132	American History II	3 _____



Course	Title	Credits
POL-120	American Government	3 _____
PSY-150	General Psychology	3 _____
SOC-210	Introduction to Sociology	3 _____
<b>Math</b> Select one course from the following		<b>3-4 credits</b>
MAT-143	Quantitative Literacy	3 _____
MAT-152	Statistical Methods I	4 _____
MAT-171	Precalculus Algebra	4 _____
<b>Natural Sciences</b> Select one course from the following		<b>4 credits</b>
BIO-110	Principles of Biology	4 _____
BIO-111	General Biology I	4 _____
CHM-151	General Chemistry I	4 _____
GEL-111	Introductory Geology	4 _____
PHY-110	Conceptual Physics <b>and</b>	3 _____
PHY 110A	Conceptual Physics Lab	1 _____
<b>Other Required</b> The following courses are <b>required</b>		<b>11 Credits</b>
SOC-225	Social Diversity	3 _____
EDU-187	Teaching and Learning for All*	4 _____
EDU-216	Foundations of Education	3 _____
ACA-122	College Transfer Success	1 _____

\*Students who have completed Teacher Cadet or Teaching as a Profession courses in high school with a B or better may substitute that course for EDU 187 Teaching & Learning for all. High school faculty must meet transfer level qualifications as established by SACSCOC or other accrediting body.

### **Optional General Education Hours** **0-8 Credits**

You may choose up to eight credits (courses/labs) in one language. The receiving university will determine if the courses will count as general education, pre-major, or elective credit.

SPA-111	Elementary Spanish I	3 _____
SPA-112*	Elementary Spanish II	3 _____
FRE-111	Elementary French I	3 _____
FRE-112*	Elementary French II	3 _____

**High school students in the CCP College Transfer Pathway Leading to the Associate in Arts in Teacher Preparation must complete the entire pathway before taking additional courses in the Associate in Arts degree in Teacher Preparation except for mathematics courses in the Associate in Arts in Teacher Preparation.**

## Total Semester Hours in Credit in Pathway: 39-48

\*These courses have prerequisites that must be taken prior to this class.

**The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.**

# COLLEGE TRANSFER PATHWAY LEADING TO THE Associate in Science Teacher Prep

(P1042T)

The CCP College Transfer Pathway leading to the Associate in Science in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Science in Teacher Preparation degree and a baccalaureate degree in teaching in a **STEM or technical major**.

## GENERAL EDUCATION (34 Credits)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC) component of the Comprehensive Articulation Agreement.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
<i>The following <b>two</b> English composition courses are <b>required</b></i>		
ENG-111	Writing & Inquiry	3 ____
ENG-112*	Writing/Research in the Disciplines	3 ____
<b>Communications/Humanities/Fine Arts</b>		<b>6 Credits</b>
<i>Select <b>two</b> courses from <b>two</b> different disciplines.</i>		
COM-120	Introduction to Interpersonal Communication	3 ____
COM-231	Public Speaking	3 ____
ART-111	Art Appreciation	3 ____
ART-114	Art History Survey I	3 ____
ART-115	Art History Survey II	3 ____
DRA-111	Theatre Appreciation	3 ____
ENG-231*	American Literature I	3 ____
ENG-232*	American Literature II	3 ____
ENG-241*	British Literature I	3 ____
ENG-242*	British Literature II	3 ____
MUS-110	Music Appreciation	3 ____
MUS-112	Introduction to Jazz	3 ____
PHI-215*	Philosophical Issues	3 ____
PHI-240*	Introduction to Ethics	3 ____
<b>Social/Behavioral Sciences</b>		<b>6 Credits</b>
<i>Select <b>one</b> course from the following.</i>		
ECO-251	Principles of Microeconomics	3 ____
ECO-252	Principles of Macroeconomics	3 ____
HIS-111	World Civilizations I	3 ____
HIS-112	World Civilizations II	3 ____
HIS-131	American History I	3 ____
HIS-132	American History II	3 ____
POL-120	American Government	3 ____
PSY-150	General Psychology	3 ____
SOC-210	Introduction to Sociology	3 ____

Course	Title	Credits
<b>Math</b> Select two course from the following		<b>8 credits</b>
MAT-171	Precalculus Algebra	4 _____
MAT-172*	Precalculus Trigonometry	4 _____
MAT-263*	Brief Calculus	4 _____
MAT-271*	Calculus I	4 _____
MAT-272*	Calculus II	4 _____

### Natural Sciences

**8 Credits**

Select eight credits from the following.

BIO-111	General Biology I <b>and</b>	4 _____
BIO-112	General Biology II	4 _____
CHM-151	General Chemistry I <b>and</b>	4 _____
CHM-152	General Chemistry II	4 _____
PHY-151*	College Physics I <b>and</b>	4 _____
PHY-152	College Physics II	4 _____
PHY-251*	General Physics I <b>and</b>	4 _____
PHY 252*	General Physics II	4 _____
BIO-110	Principles of Biology	4 _____
GEL-111	Introductory Geology	4 _____
PHY-110	Conceptual Physics <b>and</b>	3 _____
PHY-110A	Conceptual Physics Lab	1 _____

### Other Required

The following courses are **required**

**11 Credits**

SOC-225	Social Diversity	3 _____
EDU-187	Teaching and Learning for All*	4 _____
EDU-216	Foundations of Education	3 _____
ACA-122	College Transfer Success	1 _____

\*Students who have completed Teacher Cadet or Teaching as a Profession courses in high school with a B or better may substitute that course for EDU 187 Teaching and Learning for All. High school faculty must meet transfer level qualifications as established by SACSCOC or other accrediting body.

### Optional General Education Hours

**0-8 Credits**

You may choose up to eight credits (courses/labs) in one language. The receiving university will determine if the courses will count as general education, pre-major, or elective credit.

SPA-111	Elementary Spanish I	3 _____
SPA-112*	Elementary Spanish II	3 _____
FRE-111	Elementary French I	3 _____
FRE-112*	Elementary French II	3 _____

**High school students in the CCP College Transfer Pathway Leading to the Associate in Science in Teacher Preparation must complete the entire pathway before taking additional courses in the Associate in Science degree in Teacher Preparation except for mathematics courses in the Associate in Science in Teacher Preparation.**

**Total Semester Hours in Credit in Pathway: 42-50**

\*These courses have prerequisites that must be taken prior to this class.

**The pathway is the equivalent of the first year of the associate degree.**

## COLLEGE TRANSFER PATHWAY LEADING TO THE Health Science Pathway (P1032C)

The Career and College Promise Associate Degree Nursing pathway is for high school students who want to start their studies in the health science programs. At Forsyth Tech, we offer 19 health science programs with a competitive admissions process. See list on page 21.

### GENERAL EDUCATION (23 Credits)

All courses are required.

Course	Title	Credits
<b>English Composition</b>		<b>6 Credits</b>
ENG-111	Writing & Inquiry	3 ____
ENG-112*	Writing/Research in the Disciplines	3 ____
<b>Communications/Humanities/Fine Arts</b>		<b>3 Credits</b>
HUM-115*	Critical Thinking	3 ____
<b>Social/Behavioral Sciences</b>		<b>6 Credits</b>
PSY-150	General Psychology	3 ____
PSY-241*	Developmental Psychology	3 ____
<b>Natural Sciences</b>		<b>8 credits</b>
BIO-168	Anatomy and Physiology I <b>and</b>	4 ____
BIO-169	Anatomy and Physiology II	4 ____
<b>Other Required ACA</b>		<b>1 credit</b>
ACA-122	College Transfer Success	1 ____

**Total Semester Hours in Credit in Pathway: 24**

**The pathway is the equivalent of the first year of the associate degree. Once the student completes the pathway, and with high school and college approval, the student may continue taking classes in the associate program.**

# Health Science Programs

## **Nursing Department**

Associate Degree Nursing (ADN)

Licensed Practical Nurse (LPN)

Licensed Practical Nurse - Registered Nurse (LPN-RN)

## **Imaging Department**

Cardiovascular Sonography (CVS)

Computed Tomography (CAT)

Medical Sonography (SON)

Nuclear Medicine Technology (NMT)

Radiation Therapy Technology (RTT)

Radiography (RAD)

Interventional Cardiac / Vascular Technology (ICVT)

Magnetic Resonance Imaging (MRI)

## **Health Services Department**

Dental Assisting

Dental Hygiene

Health Information Technology (HIT)

Human Services Technology (HST)

Medical Assisting (MED)

Pharmacy Technology (PHM)

Respiratory Therapy (RCP)

Therapeutic Massage (MTH)

# Career & Technical EDUCATION



## REQUIREMENTS

The Career & Technical Education pathways provide high school students with the academic and technical skills, knowledge and training necessary to succeed in future careers and to become lifelong learners.

The pathways in this booklet provide **tuition-free** course credits toward a certificate, diploma, or state or industry recognized workforce credential in a technical career.

These pathways are great if you are looking for a credential that will lead directly into the workforce or give you skills to work while you continue with your education.

### Juniors and Seniors

To be eligible for enrollment, a high school student must meet one of the following criteria:

- A. Be a high school junior or senior as of the **first day** of the applicable term **and**
  - Have an unweighted, cumulative GPA of 2.8 or higher on high school courses, **or**
  - Demonstrate college readiness in English, reading and mathematics on an assessment, **or**
  - Have the recommendation of the high school principal **or** his/her designee **and** his/her rationale for recommendation in place of GPA requirement (assessment scores should be considered) **and**
  - Have the recommendation of the college's Chief Student Success and Strategic Innovation Officer.

A recommendation for eligibility will not be permitted for CTE pathways that include UGETC (Universal General Education Transfer Component) course(s).

If a CTE pathway contains a UGETC (Universal General Education Component) course, the student must meet the same eligibility criteria as a College Transfer Pathway student.

High school counselors should consider students' assessment scores in making pathway recommendations.

**Freshmen and Sophomores:**

High school freshmen and sophomores may **only** enroll in engineering technologies, industrial technologies, agriculture and natural resources, transportation, construction and business certificate and diploma programs.

To be eligible for enrollment, a high school student must meet one of the following A or B criteria:

- A. Be a high school freshman or sophomore as of the **first day** of the applicable term, **and**
- Have the recommendation of the high school principal or his/her designee (assessment scores should be considered) and rationale for recommendation, **and**
  - Have the recommendation of the college's Chief Student Success and Strategic Innovation Officer, **and**
  - Passed Math I with a grade of C or better, **and**
  - Scored a 3, 4, or 5 on the End of Course assessment (EOC) for Math I, **and** Scored a 3, 4, or 5 on the 8th grade End of Grade ELA assessment,
- OR**
- A. Be a high school freshman or sophomore as of the **first day** of the applicable term, **and**
- Have the recommendation of the high school principal or his/her designee (assessment scores should be considered) **and** rationale for recommendation, **and**
  - Have the recommendation of the college's Chief Student Success and Strategic Innovation Officer, **and**
  - Demonstrate college readiness in English, reading and mathematics on an assessment. See page 6 college readiness scores.

Freshmen and Sophomores **may not enroll** in any CTE pathways that contain UGETC (Universal General Education Transfer Component) courses.

If a CTE Pathway contains a UGETC (Universal General Education Component) course, the student must meet the same eligibility criteria as a College Transfer Pathway student.

High school counselors should consider students' assessment scores in making pathway recommendations.

***Eligibility ends on the graduation date on the high school transcript.***

# BUSINESS & OFFICE TECHNOLOGIES

## Accounting and Finance

ACCOUNTING AND FINANCE DIPLOMA\*  
(D25800P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ENG-110	Freshman Composition	3
ACC-120	Principles of Financial Accounting	4
BUS-115	Business Law I	3
CIS-110	Introduction to Computers	3
<b>SPRING</b>		
MAT-110	Math Measurement & Literacy	3
ACC-121	Principles of Managerial Accounting	4
BUS-225	Business Finance	3
ACC-129	Individual Income Taxes	3
BUS-116	Business Law II	3
<b>SUMMER</b>		
ACC-149	Intro ACC Spreadsheets	2
ACC-220	Intermediate Accounting I	4
ACC-130	Business Income Taxes	3
<b>Total Semester Hours:</b>		<b>38</b>



# Business Administration

## GLOBAL ENTREPRENEURSHIP CERTIFICATE (C25120G1)

Course	Title	Credits
<b>FALL</b>		
BUS-115	Business Law I	3
MKT-120	Principles of Marketing	3
CIS-110	Introduction to Computers	3
<b>SPRING</b>		
BUS-137	Principles of Management	3
BAF-143	Financial Planning	3
INT-110	International Business	3
<b>Total Semester Hours:</b>		<b>18</b>

## INTERNATIONAL BUSINESS CERTIFICATE (C25120I1)

Course	Title	Credits
<b>FALL</b>		
BUS-115	Business Law I	3
INT-110	International Business	3
INT-210	International Trade	3
<b>SPRING</b>		
BUS 137	Principles of Management	3
INT-230	International Law	3
MKT-224	International Marketing	3
<b>Total Semester Hours:</b>		<b>18</b>

# Medical Office Administration

## MEDICAL RECEPTIONIST CERTIFICATE (C25310P2)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
OST-137	Office Applications I	3
OST-149	Medical Legal Issues	3
OST-141	Medical Office Terms I	3
<b>SPRING</b>		
OST-161	Medical Office Procedures	3
OST-142	Medical Office Terms II	3
OST-130	Comprehensive Keyboarding	3
<b>Total Semester Hours:</b>		<b>18</b>

## OUTPATIENT BILLING CERTIFICATE (C25310P3)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
OST-137	Office Applications I	3
OST-149	Medical Legal Issues	3
OST-141	Medical Office Terms I	3
<b>SPRING</b>		
OST-148	Med Ins & Billing	3
OST-142	Medical Office Terms II	3
OST-280	Electronic Health Records	3
<b>Total Semester Hours:</b>		<b>18</b>

MEDICAL OFFICE ADMINISTRATION DIPLOMA\*  
(D25310P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ENG-110	Freshman Composition	3
COM-110	Introduction Into Communication	3
OST-141	Med Office Terms I	3
OST-130	Comprehensive Keyboarding	3
OST-137	Office Application I	3
<b>SPRING</b>		
OST-148	Med Insurance and Billing	3
OST-164	Office Editing	3
OST-134	Text Entry & Formatting	3
OST-149	Medical Legal Issues	3
OST-142	Med Office Terms II	3
<b>SUMMER</b>		
OST-161	Medical OFC Procedures	3
OST-122	Office Computations	3
OST-286	Professional Development	3
<b>Total Semester Hours:</b>		<b>39</b>

OUTPATIENT CODING DIPLOMA\*  
(D25310P2)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ENG-110	Freshman Composition	3
COM-110	Introduction Into Communication	3
OST-137	Office Application I	3
OST-141	Med Office Terms I	3
OST-130	Comprehensive Keyboarding	3
<b>SPRING</b>		
MED-116	Introduction to A&P	4
OST-148	Med Insur and Billing	3
OST-164	Office Editing	3
OST-280	Electronic Health Records	3
OST-149	Medical Legal Issues	3
OST-142	Med Office Terms II	3
<b>FALL</b>		
OST-247	Procedure Coding	3
OST-248	Diagnostic Coding	3
OST-260	Advanced Coding	3
MED-270	Symptomatology	3
OST-249	Medical Coding Certification Prep	3
<b>Total Semester Hours:</b>		<b>46</b>

# Project Management Technology

## INFORMATION SYSTEMS CERTIFICATE (C2539011)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
PMT-110	Intro to Project Mgmt	3
PMT-215	Project Mgmt Leadership	3
CIS-110	Introduction to Computers	3
<b>SPRING</b>		
PMT-111	Project Mgmt Assessing Risk	3
PMT-210	Project Mgmt Issues	3
CTS-240	Project Management	3
<b>Total Semester Hours:</b>		<b>18</b>

# Paralegal Technologies

## LEGAL ASSISTANT (C25380P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
LEX-110	Introduction to Paralegal Study	2
LEX 280	Ethics & Professionalism	2
<b>SPRING</b>		
CIS-110	Introduction to Computers	3
OST 130	Comprehensive Keyboarding	3
<b>FALL</b>		
LEX-240	Family Law	3
LEX-130	Civil Injuries	3
<b>Total Semester Hours:</b>		<b>16</b>

# Supply Chain Management

## GLOBAL LOGISTICS TECHNOLOGY CERTIFICATE (C25620P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>SPRING</b>		
LOG-110	Introduction to Logistics	3
LOG-125	Transportation Logistics	3
<b>SUMMER</b>		
LOG-215	Supply Chain Management	3
<b>FALL</b>		
LOG-235	Import/Export Management	3
LOG-240	Purchasing Logistics	3
LOG-210	Fleet Management	3
<b>Total Semester Hours:</b>		<b>18</b>

## GLOBAL LOGISTICS TECHNOLOGY DIPLOMA\* (D25620P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ENG-110	Freshman Composition	3
LOG-110	Introduction to Logistics	3
CIS-110	Introduction to Computers	3
<b>SPRING</b>		
LOG-125	Transportation Logistics	3
LOG-215	Supply Chain Management	3
BUS-137	Principles of Management	3
GIS-111	Introduction to GIS	3
BUS-153	Human Resource Management	3
<b>FALL</b>		
MAT-110	Math Measurement & Literacy	3
LOG-235	Import/Export Management	3
LOG-240	Purchasing Logistics	3
LOG-210	Fleet Management	3
<b>Total Semester Hours:</b>		<b>36</b>

# EDUCATION & HUMAN SERVICES

## EARLY CHILDHOOD EDUCATION ADMINISTRATION CERTIFICATE (C55220P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
EDU-119	Intro to Early Child Education	4
EDU-153	Health, Safety & Nutrition	3
EDU-261	Early Childhood Admin I	3
<b>SPRING</b>		
EDU-262	Early Childhood Admin II	3
EDU-131	Child, Family, & Comm	3
<b>Total Semester Hours:</b>		<b>16</b>

## EARLY CHILDHOOD EDUCATION CERTIFICATE (C55220P2)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
EDU-119	Intro to Early Child Education	4
EDU-153	Health, Safety & Nutrition	3
EDU-131	Child, Family, & Comm	3
<b>SPRING</b>		
EDU-146	Child Guidance	3
EDU-145	Child Development II	3
<b>Total Semester Hours:</b>		<b>16</b>

## EARLY INTERVENTION CERTIFICATE (C55220P3)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
EDU-119	Intro to Early Child Education	4
EDU-131	Child, Family, & Comm	3
EDU-144	Child Development I	3
<b>SPRING</b>		
EDU-234	Infants, Toddlers, and Twos	3
EDU-220	Prog Poli in Early Intervention	3
<b>Total Semester Hours:</b>		<b>16</b>

INFANT & TODDLER CERTIFICATE  
(C55220P4)

Course	Title	Credits
<b>FALL</b>		
EDU-119	Intro to Early Child Education	4
EDU-153	Health, Safety & Nutrition	3
EDU-144	Child Development I	3
<b>SPRING</b>		
EDU-131	Child, Family, & Comm	3
EDU-234	Infants, Toddlers, and Twos	3
<b>Total Semester Hours:</b>		<b>16</b>

EARLY CHILDHOOD EDUCATION DIPLOMA\*  
(D55220P1)

Course	Title	Credits
<b>FALL</b>		
COM-231	Public Speaking	3
ENG-110	Freshman Composition	3
EDU-119	Intro to Early Child Education	4
EDU-153	Health, Safety & Nutrition	3
EDU-144	Child Development I	3
<b>SPRING</b>		
PSY-150	General Psychology	3
EDU-131	Child, Family, & Comm	3
EDU-146	Child Guidance	3
EDU-151	Creative Activities	3
EDU-145	Child Development II	3
<b>FALL</b>		
EDU-221	Children with Exceptionalities	3
EDU-280	Language & Literacy Exp	3
EDU-284	Early Childhood Capstone Prac	4
EDU-252	Math & Sci Activities	3
EDU-259	Curriculum Planning	3
<b>Total Semester Hours:</b>		<b>47</b>

# ENGINEERING & TRADES

## Advanced Manufacturing

COMPUTER INTEGRATED MACHINING DIPLOMA\*  
(D50210P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
MAC-141	Machining Applications I	4
BPR-111	Print Reading	2
MAC-124	CNC Milling	2
MAC-151	Machining Calculations	2
MAC-224	Advanced CNC Milling	2
<b>SPRING</b>		
DFT-119	Basic CAD	2
MAC-142	Machining Applications II	4
MEC-110	Intro to CAD/CAM	2
MAC-122	CNC Turning	2
MAC-222	Advanced CNC Turning	2
<b>SUMMER</b>		
ENG-110	Freshman Composition	3
HUM-110	Technology and Society	3
ISC-112	Industry Safety	1
<b>FALL</b>		
MEC-161	Manufacturing Processes	3
MEC-145	Manufacturing Materials I	3
<b>Total Semester Hours:</b>		<b>38</b>



## ELECTRONICS ENGINEERING TECHNOLOGY CERTIFICATE (C40200P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
MAT 121	Algebra/Trigonometry I	3
ELC-131	Circuit Analysis I	4
ELC 131A	Circuit Analysis I Lab	1
<b>SPRING</b>		
ELN 131	Analog Electronics I	4
<b>SUMMER</b>		
ELN-133	Digital Electronics	4
<b>Total Semester Hours:</b>		<b>15</b>

## Construction & Maintenance

### AIR CONDITIONING, HEATING & REFRIGERATION TECHNOLOGY CERTIFICATE (C35100P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
AHR-112	Heating Technology	4
AHR-111	HVACR Electricity	3
AHR-160	Refrigerant Certification	1
<b>SPRING</b>		
AHR-113	Comfort Cooling	4
AHR-114	Heat Pump Technology	4
<b>Total Semester Hours:</b>		<b>16</b>

AIR CONDITIONING, HEATING & REFRIGERATION  
TECHNOLOGY DIPLOMA\* (D35100P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ENG-115	Oral Communications	3
AHR-110	Intro to Refrigeration	5
AHR-112	Heating Technology	4
AHR-111	HVACR Electricity	3
AHR-180	HVACR Customer Relations	1
<b>SPRING</b>		
AHR-113	Comfort Cooling	4
AHR-114	Heat Pump Technology	4
AHR-125	HVACR Electronics	3
AHR-160	Refrigerant Certification	1
AHR-255	Indoor Air Quality	2
MAT-110	Math Measurement & Literacy	3
<b>SUMMER</b>		
AHR-213	HVACR Building Code	2
AHR-120	HVACR Maintenance	2
AHR-115	Refrigeration Systems	2
<b>Total Semester Hours:</b>		<b>39</b>

HORTICULTURE TECHNOLOGY GREENHOUSE &  
NURSERY OPERATIONS CERTIFICATE (C15240N1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
HOR-164	Horticulture Pest Management	3
HOR-168	Plant Propagation	3
HOR-225	Nursery Production	3
<b>SPRING</b>		
HOR-160	Plant Materials I	3
HOR-162	Applied Plant Science	3
HOR-134	Greenhouse Operations	3
<b>Total Semester Hours:</b>		<b>18</b>

HORTICULTURE TECHNOLOGY LANDSCAPE  
 MAINTENANCE CERTIFICATE (C15240L1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
HOR-112	Landscape Design I	3
HOR-164	Horticulture Pest Management	3
HOR-168	Plant Propagation	3
<b>SPRING</b>		
HOR-160	Plant Materials I	3
HOR-116	Landscape Management I	3
HOR-162	Applied Plant Science	3
<b>Total Semester Hours:</b>		<b>18</b>

 PLUMBING CERTIFICATE  
 (C35300P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
PLU 110	Modern Plumbing	9
<b>SPRING</b>		
PLU 120	Plumbing Applications	9
<b>Total Semester Hours:</b>		<b>18</b>

 PLUMBING DIPLOMA\*  
 (D35300P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
MAT-110	Math Measurement & Literacy	3
BPR-130	Print Reading-Construction	3
PLU-110	Modern Plumbing	9
PLU-140	Intro to Plumbing Codes	2
<b>SPRING</b>		
PLU-150	Plumbing Diagrams	2
WLD-112	Basic Welding Processes	2
PLU-120	Plumbing Applications	9
<b>SUMMER</b>		
ENG-110	Freshman Composition	3
PLU-130	Plumbing Systems	6
<b>Total Semester Hours:</b>		<b>39</b>

WELDING TECHNOLOGY CERTIFICATE  
(C50420P1)

Course	Title	Credits
<b>FALL</b>		
WLD-110	Cutting Processes	2
WLD-115	SMAW (Stick) Plate	5
WLD-131	GTAW (TIG) Plate	4
WLD-141	Symbols & Specifications	3
<b>SPRING</b>		
WLD-121	GMAW (MIG) FCAW/Plate	4
<b>Total Semester Hours:</b>		<b>18</b>

WELDING TECHNOLOGY DIPLOMA  
(D50420P1)\*

Course	Title	Credits
<b>FALL</b>		
ENG-110	Freshman Composition	3
WLD-110	Cutting Processes	2
WLD-115	SMAW (Stick) Plate	5
WLD-131	GTAW (TIG) Plate	4
WLD-141	Symbols & Specifications	3
<b>SPRING</b>		
MAT-110	Math Measurement & Literacy	3
WLD-121	GMAW (MIG) FCAW/Plate	4
WLD-116	SMAW (Stick) Plate/Pipe	4
WLD-132	GTAW (TIG) Plate/Pipe	3
WLD-143	Welding Metallurgy	2
<b>SUMMER</b>		
WLD-151	Fabrication I	4
WLD-262	Inspection & Testing	3
WLD-265	Automated Welding/Cutting	4
<b>Total Semester Hours:</b>		<b>44</b>

# Electrical Systems Technology

## ELECTRICAL SYSTEMS TECHNOLOGY CERTIFICATE (C35130P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ELC-113	Residential Wiring	4
ELC-112	DC/AC Electricity	5
<b>SPRING</b>		
ELC-114	Commercial Wiring	4
ELC-118	National Electrical Code	2
<b>Total Semester Hours:</b>		<b>15</b>

## ELECTRICAL SYSTEMS TECHNOLOGY DIPLOMA\* (D35130P1)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
MAT-110	Math Measurement & Literacy	3
ELC-113	Residential Wiring	4
ELC-117	Motors and Controls	4
ELC-112	DC/AC Electricity	5
BPR-130	Print Reading-Construction	3
ISC-115	Construction Safety	2
<b>SPRING</b>		
ENG-110	Freshman Composition	3
ELC-114	Commercial Wiring	4
ELC-118	National Electrical Code	2
ISC-112	Industrial Safety	2
<b>SUMMER</b>		
ELC-115	Industrial Wiring	4
ELC-233	Energy Management	3
<b>Total Semester Hours:</b>		<b>39</b>

# INFORMATION TECHNOLOGY

## CYBER SECURITY CERTIFICATE (C25590P1)

Course	Title	Credits
<b>FALL</b>		
CCT-110	Introduction to Cyber Crime	3
SEC-110	Security Concepts	3
<b>SPRING</b>		
CCT-112	Ethics and High Technology	3
SEC-160	Security Administration I	3
<b>Total Semester Hours:</b>		<b>12</b>

## DATA REPORTING & ANALYTICS (C255590PH)

Course	Title	Credits
<b>FALL</b>		
CTI-110	Web, Pgm, & Db Foundation	3
CSC-152	SAS	3
DBA-118	Google Data Analytics I	3
<b>SPRING</b>		
CSC-123	R Programming	3
DBA-125	Database Reporting	3
DBA-218	Google Data Analytics II	3
<b>Total Semester Hours:</b>		<b>18</b>

## NETWORK MANAGEMENT - CISCO CERTIFIED NETWORKING ASSOCIATE (CC25590PL)

Course	Title	Credits
<b>FALL</b>		
CTI-120	Network & Sec Foundation	3
NET-125	Introduction to Networks	3
<b>SPRING</b>		
NET-126	Switching and Routing	3
NET-225	Enterprise Networking	3
<b>Total Semester Hours:</b>		<b>12</b>

NETWORK MANAGEMENT MICROSOFT CERTIFIED - WINDOWS SERVER HYBRID ADMINISTRATOR ASSOCIATE (C25590PK)

Course	Title	Credits
<b>SPRING</b>		
CTI-140	Visualization Concepts	3
NOS-230	Windows Administration I	3
<b>FALL</b>		
CTI-120	Network & Sec Foundation	3
NOS-231	Windows Administration II	3
<b>Total Semester Hours:</b>		<b>12</b>

NETWORK MANAGEMENT - REDHAT LINUX CERTIFIED VIRTUALIZATION AND AUTOMATION (C25590PM)

Course	Title	Credits
<b>SPRING</b>		
CTI-140	Virtualization Concepts	3
NOS-120	Linux/UNIX Single User	3
NOS-220	Linux/Unix Admin I	3
<b>FALL</b>		
NET-125	Introduction to Networks	3
NOS-221	Linux/UNIX Admin II	3
<b>Total Semester Hours:</b>		<b>15</b>

NETWORK MANAGEMENT - NETWORK FUNDAMENTALS (C255590P6)

Course	Title	Credits
<b>FALL</b>		
CIS-110	Introduction to Computers	3
CTI-110	Web, Pgm, & Db Foundation	3
CTI-120	Network & Sec Foundation	3
<b>SPRING</b>		
NET-125	Introduction to Networks	3
DBA-125	Database Reporting	3
NOS-130	Windows Single User	3
<b>Total Semester Hours:</b>		<b>18</b>

PROGRAMMING & SOFTWARE DEVELOPMENT –  
PYTHON PROGRAMMING (C25590PG)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
CTI-110	Web, Pgm, & Db Foundation	3
CIS-115	Intro to Prog & Logic	3
<b>SPRING</b>		
DBA-120	Database Programming I	3
WEB-151	Mobile Application Dev I	3
<b>FALL</b>		
CSC-121	Python Programming	3
CSC-221	Advanced Python Programming	3
<b>Total Semester Hours:</b>		<b>18</b>

SYSTEMS SECURITY CERTIFICATE  
(C25590P9)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
CTI-120	Network and Sec Foundation	3
SEC-110	Security Concepts	3
CCT-110	Intro to Cyber Crime	3
<b>SPRING</b>		
NET-125	Introduction to Networks	3
NOS-120	Linux/UNIX Single User	3
<b>Total Semester Hours:</b>		<b>15</b>

SYSTEMS SECURITY CYBER DEFENSE CERTIFICATE  
(C25590PA)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
CTI-120	Network and Sec Foundation	3
SEC-110	Security Concepts	3
<b>SPRING</b>		
SEC-150	Secure Communications	3
SEC-160	Security Administration I	3
<b>FALL</b>		
CCT-112	Ethics & High Technology	3
<b>SPRING</b>		
CCT-250	Network Vulnerabilities I	3
<b>Total Semester Hours:</b>		<b>18</b>



## TECHNICAL SUPPORT AND SERVICE HELP DESK CERTIFICATE (C25590PC)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
CIS-110	Introduction to Computers	3
NOS-130	Windows Single User	3
CTS-240	Project Management	3
<b>SPRING</b>		
CTS-120	Hardware/Software Support	3
CTS-220	Adv Hardware/Software Support	3
CTS-217	Computer Training/Support	3
<b>Total Semester Hours:</b>		<b>18</b>

## TECHNICAL SUPPORT AND SERVICE HELP DESK CERTIFICATE (C25590PC)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
CIS-110	Introduction to Computers	3
CTI-110	Web, Pgm & Db Foundation	3
<b>SPRING</b>		
CTS-155	Tech Support Functions	3
CTS-120	Hardware/Software Support	3
CTS-217	Computer Training/Support	3
<b>SUMMER</b>		
CTI-150	Mobile Computing Devices	3
<b>Total Semester Hours:</b>		<b>18</b>

## WEB TECHNOLOGIES – FRONT END DESIGN (C25590PJ)

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>SPRING</b>		
WEB 115	Web Markup and Scripting	3
WEB 110	Web Development Fundamentals	3
WEB 120	Intro to Internet Multimedia	3
<b>FALL</b>		
CTI 110	Web, Pgm, & Db Foundation	3
<b>SPRING</b>		
WEB 210	Web Design	3
WEB 225	Content Management Sys	3
<b>Total Semester Hours:</b>		<b>18</b>

# PUBLIC SAFETY

## EMERGENCY MEDICAL SCIENCE CERTIFICATE (C45340PI)\*

Course	Title	Credits
<b>FALL</b>		
PSY 150	General Psychology	3
EMS 110	EMT	9
<b>SPRING</b>		
BIO 163	Basic Anat & Physiology	5
<b>Total Semester Hours:</b>		<b>17</b>

## PUBLIC SAFETY ADMINISTRATION (C55480P1)

Course	Title	Credits
<b>FALL</b>		
PAD-151	Intro to Public Admin	3
FIP-152	Fire Protection Law	3
<b>SPRING</b>		
EPT-150	Incident Management	3
PAD-251	Public Finance & Budgeting	3
<b>Total Semester Hours:</b>		<b>12</b>

## EMERGENCY MANAGEMENT (C55460P1)

Course	Title	Credits
<b>FALL</b>		
EPT-120	Sociology of Disaster	3
EPT-130	Mitigation and Preparedness	3
<b>SPRING</b>		
EPT-140	Emergency Management	3
EPT-150	Incident Management	3
<b>Total Semester Hours:</b>		<b>12</b>

# SCIENCE

## BIOTECHNOLOGY DIPLOMA (D20100P1)\*

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
ENG-111	Writing and Inquiry	3
BIO-111	General Biology I	4
CHM-151	General Chemistry	4
MAT-171	Pre Calculus Algebra	3
<b>SPRING</b>		
BIO-112	General Biology II	4
CHM-152	General Chemistry II	4
BTC-281	Bioprocess Techniques	4
BTC-181	Basic Lab Techniques	4
<b>FALL</b>		
BIO-250	Genetics	4
BIO-275	Microbiology	4
<b>Total Semester Hours:</b>		<b>43</b>

# TRANSPORTATION

## AUTOMOTIVE SYSTEMS TECHNOLOGY DIPLOMA (D60160P1)\*

<i>Course</i>	<i>Title</i>	<i>Credits</i>
<b>FALL</b>		
AUT-163	Adv Auto Electricity	3
TRN-110	Intro to Transport Tech	2
TRN-120	Basic Transp Electricity	5
<b>SPRING</b>		
AUT-141	Suspension & Steering Sys	3
AUT-141A	Suspension & Steering Lab	1
AUT-151	Brake Systems	3
AUT-151A	Brake Systems Lab	1
MAT-110	Math Measurement & Literacy	3
<b>SUMMER</b>		
AUT-181	Engine Performance I	3
AUT-181A	Engine Performance 1 Lab	1
TRN-140	Transp Climate Control	2
TRN-140A	Transp Climate Cont Lab	2
<b>FALL</b>		
AUT-116	Engine Repair	3
AUT-116A	Engine Repair Lab	1
AUB-163	Advanced Auto Electricity	3
ATT-125	Hybrid Electric Trans	4
ENG-110	Freshman Composition	3
<b>SUMMER</b>		
AUT-183	Engine Performance 2	4
<b>Total Semester Hours:</b>		<b>44</b>

## AVIATION SYSTEMS TECHNOLOGY GENERAL CERTIFICATE (C60200P1)

Course	Title	Credits
<b>FALL</b>		
AVI-110 AB	Aviation Maintenance	8
<b>SPRING</b>		
AVI-110 BB	Aviation Maintenance	7
<b>Total Semester Hours:</b>		<b>15</b>

## COLLISION REPAIR AND REFINISHING TECHNOLOGY NON-STRUCTURAL DAMAGE CERTIFICATE (C60130P1)

Course	Title	Credits
<b>FALL</b>		
AUB-121	Non-Structural Damage I	3
AUB-136	Plastics & Adhesives	3
<b>SPRING</b>		
AUB-122	Non-Structural Damage II	4
AUB-162	Auto body Estimating	2
<b>Total Semester Hours:</b>		<b>12</b>

## COLLISION REPAIR AND REFINISHING TECHNOLOGY PAINTING & FINISHING CERTIFICATE (C60130P2)

Course	Title	Credits
<b>FALL</b>		
AUB-111	Painting & Refinishing I	4
AUB-150	Automotive Detailing	2
<b>SPRING</b>		
AUB-114	Special Finishes	2
AUB-112	Painting & Refinishing II	4
<b>Total Semester Hours:</b>		<b>12</b>

## COLLISION REPAIR AND REFINISHING TECHNOLOGY STRUCTURAL DAMAGE CERTIFICATE (C60130P3)

Course	Title	Credits
<b>FALL</b>		
TRN 110	Intro to Transport Tech	2
TRN 180	Basic Welding for Transp	3
AUB 131	Structural Damage I	4
<b>SPRING</b>		
AUB-132	Structural Damage II	4
<b>Total Semester Hours:</b>		<b>13</b>

COLLISION REPAIR AND REFINISHING TECHNOLOGY DIPLOMA\*  
(D60130P1)

Course	Title	Credits
<b>FALL</b>		
TRN-110	Intro to Transport Tech	2
AUB-121	Non-Structural Damage I	3
AUB-136	Plastics & Adhesives	3
AUB-150	Automotive Detailing	2
ENG-110	Freshman Composition	3
MAT-110	Math Measurement & Literacy	3
<b>SPRING</b>		
TRN-180	Basic Welding for Transp	3
AUB-111	Painting & Refinishing I	4
AUB-131	Structural Damage I	4
AUB-122	Non-Structural Damage II	4
AUB-162	Auto body Estimating	2
<b>SUMMER</b>		
AUB-114	Special Finishes	2
AUB-132	Structural Damage II	4
AUB-112	Painting and Refinishing II	4
<b>Total Semester Hours:</b>		<b>43</b>

DIESEL AND HEAVY EQUIPMENT TECHNOLOGY DIPLOMA\*  
(D60460P1)

Course	Title	Credits
<b>FALL</b>		
HET-110	Diesel Engines	6
HET-125	Preventive Maintenance	2
HET-230	Air Brakes	2
TRN-120	Basic Transp Electricity	5
<b>SPRING</b>		
ENG-110	Freshman Composition	3
MAT-110	Math Measurement & Literacy	3
TRN-140	Transp Climate Control	2
ELN-112	Diesel Electronics System	4
HET-119	Mechanical Transmissions	3
<b>SUMMER</b>		
HET-114	Power Trains	5
HET-233	Suspension and Steering	4
HYD-112	Hydraulics-Med/Heavy Duty	2
<b>Total Semester Hours:</b>		<b>41</b>

# STEPS TO ENROLL



## Steps to Apply

1. Student attends an information session (in person or virtually at **explore.forsythtech.edu**).
2. Student completes online application: **forsythtech.edu/ccp**
3. High school principal or designee submits:  
High School Agreement Form and High School Transcript.

### **OR**

Home school administrator submits High School Agreement Form, High School Transcript, and NC Home school Registration Record.

## Steps to Enroll

1. Educational Partnerships determines eligibility for enrollment.
2. Student participates in advising session with high school advisor and selects courses.
3. High school advisor registers student for courses.

## Steps to Succeed

1. Student attends a required New Student Orientation.
2. Student sets up TechLink account and learns how to use the college information and learning systems: Navigate, BlackBoard, course catalog.
3. Student reads course syllabus, makes note of deadlines, and reads Forsyth Tech email daily.
4. Student keeps up with course work and maintains regular communication with instructor(s) and high school advisor.
5. Student uses college resources: tutoring, counseling, accessibility office, Forsyth Tech Cares, among others. For a full list of student resources scan the QR code below or visit **short.forsythtech.edu/studentresources**



# Career & College PROMISE PROGRAMS

**COLLEGE TRANSFER PATHWAYS and  
CAREER AND TECHNICAL EDUCATION PATHWAYS**

**For more information, talk to your high school  
counselor or your high school advisor.**

## **Contact Information**

Educational Partnerships  
Robert L. Strickland Center, 2301

[edupartnerships@forsythtech.edu](mailto:edupartnerships@forsythtech.edu) | 336.734.7466

### **Main Campus**

2100 Silas Creek Parkway  
Winston-Salem, NC  
Phone: 336.723.0371

### **Grady P. Swisher Center**

1108 Swisher Center Rd  
Kernersville, NC  
Phone: 336.734.7903

### **Mazie S. Woodruff Center**

4905 Lansing Dr.  
Winston-Salem, NC  
Phone: 336.734.7950

### **Northwest Forsyth Center**

3111 Big Oaks Dr.  
King, NC  
Phone: 336.734.7050

### **Transportation Technology Center**

4255 N. Patterson Ave.  
Winston-Salem, NC  
Phone: 336.757.3399

### **Forsyth Tech Stokes County Center**

1165 Dodgetown Rd.  
Walnut Cove, NC  
Phone: 336.593.5402

### **Mazie S. Woodruff Aviation Technology Lab**

2739 Aviation Dr.  
Winston-Salem, NC  
Phone: 336.734.7531



CAREER & COLLEGE PROMISE

[short.forsythtech.edu/CCP](http://short.forsythtech.edu/CCP)