Career & College PROMISE PROGRAMS

COLLEGE TRANSFER PATHWAYS and CAREER AND TECHNICAL EDUCATION PATHWAYS

A place of promise.

Forsyth Tech
COMMUNITY COLLEGE

CAREER & COLLEGE PROMISE

Qualified North Carolina high school juniors and seniors can get a jump-start on their two-year or four-year college coursework while still in high school. And, tuition is free!

High school freshmen and sophomores identified as gifted in English/Reading and Math **and** meet other qualifying criteria are also eligible to participate. For more information, please visit **www.ForsythTech.edu/ccp**

PATHWAYS

Success in today's global economy may require a two-or four year degree, a certificate or diploma. Through Career & College Promise (CCP), qualified high school students in North Carolina have the opportunity to pursue these options, tuition free, allowing them to get a jumpstart on their workplace and college preparation.

Forsyth Technical Community College has two pathways under the Career and College Promise Program: **College Transfer Pathway (CTP)** and **Career and Technical Education Pathways (CTE).** This booklet is divided in two parts. In the first part, you will learn about the three CTP pathways. In the second part, you will learn about our CTE pathways.

COLLEGE TRANSFER PATHWAYS (CTP):

College transfer pathways provide credits toward a 2 year degree that will transfer to any UNC System or participating private college or university. Forsyth Tech has three College Transfer Pathways:

a. **The Associate in Arts** pathway is designed for students who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in non-STEM majors.

b. **The Associate in Science** pathway is designed for students who wish to begin study toward the Associate in Science degree and a baccalaureate degree in a STEM or technical major.

c. **The Associate in Engineering** pathway is designed for students who wish to begin study toward the Associate in Engineering degree and a baccalaureate in a STEM or technical major.

Forsyth Tech

COMMUNITY COLLEGE

CAREER & COLLEGE PROMISE

College Transfer PATHWAYS

REQUIREMENTS

High school juniors and seniors may enroll if they have...

1 **An unweighted GPA of 2.8 or higher**

OR

2 **Demonstrated college readiness** according to the approved tests below.

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 Evidenced-Based Reading & Writing	480 composite score for Evidenced-Based Reading & Writing	18	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 Evidenced-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
*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.				**A Level Math**	C or higher
For example, a student may combine a 22 on ACT math with a 480 on SAT composite score for evidenced-based reading and writing to demonstrate college readiness.				**A Level Mathematics — Further**	C or higher

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
English Composition (6 Credits)		
The following two English composition courses are required		
ENG-111	Writing & Inquiry	3 _____
ENG-112*	Writing/Research in the Disciplines	3 _____
Communications/ Humanities/Fine Arts (9 Credits)		
Select three courses from at least two different disciplines		
COM-120	Intro to Interpersonal	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 _____
Social/Behavioral Sciences (9 Credits)		
Select three courses from at least two different disciplines		
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
Math *Select one course from the following*		
MAT-143	Quantitative Literacy	3 _____
MAT-152	Statistical Methods I	4 _____
MAT-171	Precalculus Algebra	4 _____
Natural Sciences *Select one group of courses from the following*		
AST-111 AST 111	Descriptive Astronomy **and** Descriptive Astronomy Lab	3 _____ 1 _____
AST-151 AST 151A	General Astronomy **and** General Astronomy Lab	3 _____ 1 _____
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 PHY 110A	Conceptual Physics **and** Conceptual Physics Lab	3 _____ 1 _____
Academic Transition (1 Credit) *The following course is required*		
ACA-122	College Transfer Success	1 _____

Optional General Education Hours (0-8 Credits)

A student may take up to eight credits of foreign language courses and accompanying labs, in a single language. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether 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 with the exception of mathematics courses beyond MAT 171 in the Associate in Arts.

Total Credits in Pathway: 31-41

These courses have pre-requisites that must be taken prior to this class.

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
English Composition (6 Credits)		
The following two English composition courses are required		
ENG-111	Writing & Inquiry	3 _____
ENG-112*	Writing/Research in the Disciplines	3 _____
Communications/ Humanities/Fine Arts (6 Credits)		
Select two courses from at least two different disciplines		
COM-120	Intro to Interpersonal	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 _____
Social/Behavioral Sciences (6 Credits)		
Select two courses from at least two different disciplines		
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 (8 Credits) Select two courses from the following

Course	Title	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 courses

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

Academic Transition (1 Credit) The following course is required

Course	Title	Credits
ACA-122	College Transfer Success	1 _____

Optional General Education Hours (0-8 Credits)

A student may take up to eight of foreign language courses and accompanying labs, in a single language. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether the courses will count as general education, pre-major, or elective credit.

Course	Title	Credits
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 must complete the entire pathway before taking additional courses in the Associate in Science degree with the exception of mathematics courses beyond MAT 271 in the Associate in Science.

Total Credits in Pathway: 35-43

*These courses have pre-requisites that must be taken prior to this class.

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
English Composition (6 Credits)		
The following two English composition courses are required		
ENG-111	Writing & Inquiry	3 _____
ENG-112*	Writing/Research in the Disciplines	3 _____
Communications/Humanities/Fine Arts (3 Credits)		
Select one course from the following		
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 _____
Social/Behavioral Sciences (3 Credits) *The following course is required*		
ECO-251	Principles of Microeconomics	3 _____
Mathematics *The following course are required*		
*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**		
MAT-271*	Calculus I	4 _____
MAT-272*	Calculus II	4 _____

Course	Title	Credits
Natural Sciences *Select eight credits from the following courses*		
CHM-151	General Chemistry I	4 _____
PHY-251*	General Physics I	4 _____
PHY 252*	General Physics II	4 _____
Other Required Hours (6 Credits)		
ACA-122	College Transfer Success	1 _____
EGR-150	Introduction to Engineering	2 _____
DFT-170	Engineering Graphics	3 _____
***Prerequisite General Education Hours** (0-8 Credits)		
MAT-171	Precalculus Algebra	4 _____
MAT-172	Precalculus Trigonometry	4 _____

Students who do not place directly into MAT-271 must complete MAT-171 and MAT-172 prior to enrolling in MAT-271 Calculus I.

Optional General Education Hours (0-8 Credits)

A student may take up to eight of foreign language courses and accompanying labs, in a single language. These courses are not a part of the Universal General Education Transfer Component. Students who complete these courses with a grade of "C" or better will receive transfer credit. The receiving university will determine whether 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 with the following exception: Students may take additional math courses beyond MAT 272 that are required for the Associate in Engineering Degree.

Total Semester Hours in Credit in Program: 34-50

* These courses have pre-requisites that must be taken prior to this class.

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. Forsyth Tech has over 50 CTE pathways to choose from.

High school juniors and seniors may enroll if they have:

1 **An unweighted GPA of 2.8 or higher**
   OR

2 **Demonstrate college readiness** on approved placement tests on page 2.
   OR

3 **A recommendation from their high school principal** or designee with justification.

High school juniors and seniors must have an unweighted 2.8 GPA to enroll in CTE pathways that include UGETC courses. CTE pathways that include UGETC courses are marked with an asterisk.

High school freshmen and sophomores may enroll if they meet the qualifying criteria. For more information, please visit **www.ForsythTech.edu/ccp**.

High school freshmen and sophomores may **not** enroll in any CTE pathways that contain Universal General Education Transfer Component (UGETC) courses. CTE pathways that include UGETC courses are marked with an asterisk.

Courses in the pathways may be subject to change based on program revisions. For the most up to date list of pathways and courses, please visit **www.ForsythTech.edu/ccp**.

Note: Please check online course catalog for course descriptions and to verify if a class has any prerequisites.

Accounting*
DIPLOMA (D25800P1)

Course	Title	Credits
FALL		
ENG-111	Writing and Inquiry	3
ACC-120	Principles of Financial Accounting	4
BUS-115	Business Law I	3
CIS-110	Introduction to Computers	3
SPRING		
MAT-143	Quantitative 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
SUMMER		
ACC-149	Intro ACC Spreadsheets	2
ACC-220	Intermediate Accounting I	4
ACC-130	Business Income Taxes	3
Total Semester Hours:		**38**

Air Conditioning, Heating & Refrigeration Technology
CERTIFICATE (C35100P1)

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

Air Conditioning, Heating & Refrigeration Technology*
DIPLOMA (D35100P1)

Course	Title	Credits
FALL		
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
SPRING		
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
SUMMER		
AHR-213	HVACR Building Code	2
AHR-120	HVACR Maintenance	2
AHR-235	Refrigeration Design	3
Total Semester Hours:		**40**

Automotive Systems Technology*
DIPLOMA (D60160P1)

Course	Title	Credits
FALL		
AUT-163	Adv Auto Electricity	3
TRN-110	Intro to Transport Tech	2
TRN-120	Basic Transp Electricity	5
SPRING		
AUT-141	Suspension & Steering Sys	3
AUT-141A	Suspension & Steering Lab	1
AUT-151	Brake Systems	3
AUT-151A	Brake Systems Lab	1
SUMMER		
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
FALL		
AUT-116	Engine Repair	3
AUT-116A	Engine Repair Lab	1
ENG-111	Writing and Inquiry	3
SUMMER		
AUT-183	Engine Performance 2	4
PHY-122	Applied Physics II	4
TRN-130	Intro to Sustainable Transp	3
Total Semester Hours:		**44**

Biotechnology*
DIPLOMA (D20100P1)

Course	Title	Credits
FALL		
ENG-111	Writing and Inquiry	3
BIO-111	General Biology I	4
CHM-151	General Chemistry	4
CIS-110	Introduction to Computer	3
MAT-143	Quantitative Literacy	3
SPRING		
BIO-112	General Biology II	4
CHM-152	General Chemistry II	4
BTC-150	Bio-Ethics	3
MAT-152	Statistics	4
FALL		
BTC-181	Basic Lab Techniques	4
BIO-250	Genetics	4
SPRING		
BIO-275	Microbiology	4
Total Semester Hours:		**44**

Business Administration
GLOBAL ENTREPRENEURSHIP CERTIFICATE (C25120G1)

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

Business Administration
INTERNATIONAL BUSINESS CERTIFICATE (C5120I1)

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

Collision Repair and Refinishing Technology
NON-STRUCTURAL DAMAGE CERTIFICATE (C60130P1)

Course	Title	Credits
FALL		
AUB-121	Non-Structural Damage I	3
AUB-136	Plastics & Adhesives	3
SPRING		
AUB-122	Non-Structural Damage II	4
AUB-162	Autobody Estimating	2
Total Semester Hours:		**12**

Collision Repair and Refinishing Technology
PAINTING & FINISHING CERTIFICATE (C60130P2)

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

Collision Repair and Refinishing Technology
STRUCTURAL DAMAGE CERTIFICATE (C60130P3)

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

Collision Repair and Refinishing Technology
MOTORCYCLE ENGINE CERTIFICATE (C60130P4)

Course	Title	Credits
FALL		
TRN 110	Intro to Transport Tech	2
AUB-136	Plastics & Adhesives	3
MCM 122	Motorcycle Engines	5
SPRING		
AUB-141	Mech & Electric Components I	3
MCM 115	Motorcycle Chassis	3
Total Semester Hours:		12

Collision Repair and Refinishing Technology*
DIPLOMA (D60130P1)

Course	Title	Credits
FALL		
TRN-110	Intro to Transport Tech	2
AUB-111	Painting & Refinishing I	4
AUB-121	Non-Structural Damage I	3
AUB-136	Plastics & Adhesives	3
AUB-150	Automotive Detailing	2
ENG-111	Writing and Inquiry	3
MAT-143	Quantitative Literacy	3
SPRING		
TRN-180	Basic Welding for Transp	3
AUB-131	Structural Damage I	4
AUB-122	Non-Structural Damage II	4
AUB-162	Autobody Estimating	2
SUMMER		
AUB-114	Special Finishes	2
AUB-132	Structural Damage II	4
Total Semester Hours:		**39**

Computer Integrated Machining*
DIPLOMA (D50210P1)

Course	Title	Credits
FALL		
MAC-141	Machining Applications I	4
BPR-111	Print Reading	2
DFT-119	Basic CAD	2
MAC-124	CNC Milling	2
MAC-151	Machining Calculations	2
SPRING		
PHY-121	Applied Physics I	4
MAC-142	Machining Applications II	4
MEC-110	Intro to CAD/CAM	2
MAC-224	Advanced CNC Milling	2
MEC-142	Physical Metallurgy	2
MEC-231	Comp-Aided Manufact I	3
SUMMER		
ART-111	Art Appreciation	3
COM-231	Public Speaking	3
MAC-122	CNC Turning	2
MAC-222	Advanced CNC Turning	2
ISC-113	Industrial Specifications	1
Total Semester Hours:		**40**

Diesel and Heavy Equipment Technology*

DIPLOMA (D60460P1)

Course	Title	Credits
FALL		
HET-110	Diesel Engines	6
HET-125	Preventive Maintenance	2
HET-230	Air Brakes	2
TRN-120	Basic Transp Electricity	5
SPRING		
ENG-111	Writing and Inquiry	3
MAT-143	Quantitative Literacy	3
TRN-140	Transp Climate Control	2
ELN-112	Diesel Electronics System	4
HET-119	Mechanical Transmissions	3
SUMMER		
HET-114	Power Trains	5
HET-233	Suspension and Steering	4
HYD-112	Hydraulics-Med/Heavy Duty	2
Total Semester Hours:		**41**

Early Childhood Education

ADMINISTRATION CERTIFICATE (C55220P1)

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

Early Childhood Education
EARLY CHILDHOOD CERTIFICATE (C55220P2)

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

Early Childhood Education
EARLY INTERVENTION CERTIFICATE (C55220P3)

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

Early Childhood Education
INFANT & TODDLER CERTIFICATE (C55220P4)

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

Early Childhood Education*
DIPLOMA (D55220P1)

Course	Title	Credits
FALL		
COM-231	Public Speaking	3
ENG-111	Writing and Inquiry	3
EDU-119	Intro to Early Child Education	4
EDU-153	Health, Safety & Nutrition	3
EDU-144	Child Development I	3
SPRING		
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
FALL		
EDU-221	Children with Exceptionalities	3
EDU-280	Language & Literacy Exp	3
EDU-284	Early Chidlhood Capstone Prac	4
EDU-252	Math & Sci Activities	3
EDU-259	Curriculum Planning	3
Total Semester Hours:		**47**

Electrical Systems Technology
CERTIFICATE (C35130P1)

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

Electrical Systems Technology*
DIPLOMA (D35130P1)

Course	Title	Credits
FALL		
MAT-143	Quantitative 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
SPRING		
ENG-111	Writing and Inquiry	3
ELC-114	Commercial Wiring	4
ELC-118	National Electrical Code	2
ISC-112	Industrial Safety	2
SUMMER		
ELC-115	Industrial Wiring	4
ELC-233	Energy Management	3
Total Semester Hours:		**39**

Electronics Engineering Technology
CERTIFICATE (C40200P1)

Course	Title	Credits
FALL		
MAT 121	Algebra/Trigonometry I	3
ELC-131	Circuit Analysis I	4
ELC 131A	Circuit Analysis I Lab	1
SPRING		
ELN 131	Analog Electronics I	4
SUMMER		
ELN-133	Digital Electronics	4
Total Semester Hours:		**16**

Emergency Medical Science
CERTIFICATE (C45340PI)

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

Fire Protection Technology*
DIPLOMA (D55240P1)

Course	Title	Credits
FALL		
ENG-111	Writing and Inquiry	3
FIP-120	Intro to Fire Protection	3
FIP-132	Building Construction	3
FIP-152	Fire Protection Law	3
CIS-110	Introduction to Computers	3
SPRING		
MAT-143	Quantitative Literacy	3
FIP-124	Fire Prevention & Public Ed	3
FIP-220	Fire Fighting Strategies	3
FIP-228	Local Govt Finance	3
FIP-136	Inspections & Codes	3
SUMMER		
FIP-164	OSHA Standards	3
FIP-176	HazMat Operations	4
Total Semester Hours:		**37**

Graphic Arts & Imaging Technology*
DIPLOMA (D30180P1)

Course	Title	Credits
FALL		
GRA-121	Graphic Arts I	4
GRA-151	Computer Graphics I	2
GRD-141	Graphic Design I	4
CIS-110	Introduction to Computers	3
GRA-110	Graphic Arts Orientation	2
GRA-161	Computer Graphics Apps I	1
SPRING		
ENG-111	Writing and Inquiry	3
MAT-110	Math Measurement & Literacy	3
GRA-152	Computer Graphics II	2
GRA-221	Graphic Arts II	4
GRA-255	Image Manipulation I	2
GRA-162	Computer Graphics Apps II	1
SUMMER		
GRA-256	Image Manipulation II	2
GRA-222	Graphic Arts III	4
Total Semester Hours:		37

Horticulture Technology
GREENHOUSE & NURSERY OPERATIONS CERTIFICATE (C15240N1)

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

Horticulture Technology
LANDSCAPE MAINTENANCE CERTIFICATE (C15240L1)

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

Information Technology
CYBER SECURITY CERTIFICATE (C25590P1)

Course	Title	Credits
FALL		
CCT-110	Introduction to Cyber Crime	3
CCT-121	Computer Crime Investigation	4
CCT-231	Technology Crimes & Law	3
SPRING		
CCT-112	Ethics and High Technology	3
CCT-240	Data Recovery Techniques	3
Total Semester Hours:		16

Information Technology
NETWORK MANAGEMENT CISCO CERTIFIED NETWORK ASSOCIATE CERTIFICATE (C25590P4)

Course	Title	Credits
FALL		
NET-125	Introduction to Networks	3
SPRING		
NET-126	Routing Basics	3
FALL		
NET-225	Routing & Switching I	3
NET-226	Routing & Switching II	3
Total Semester Hours:		12

Information Technology
NETWORK MANAGEMENT CISCO SECURITY FUNDAMENTALS CERTIFICATE (C25590P5)

Course	Title	Credits
FALL		
NET-125	Introduction to Networks	3
SEC-110	Security Concepts	3
SPRING		
NET-126	Routing Basics	3
SEC-160	Security Administration I	3
SUMMER		
NET-225	Routing & Switching I	3
NET-226	Routing & Switching II	3
Total Semester Hours:		18

Information Technology
NETWORK MANAGEMENT NETWORK FUNDAMENTALS CERTIFICATE (C25590P6)

Course	Title	Credits
FALL		
CIS-110	Introduction to Computers	3
CTI-110	Web, Pgm, & Db Foundation	3
CTI-120	Network and Sec Foundation	3
NET-125	Introduction to Networks	3
NOS-130	Windows Single User	3
Total Semester Hours:		15

Information Technology
NETWORK MGT NOS-CERTIFIED MICROSOFT & LINUX PROFESSIONAL CERTIFICATE (C25590P7)

Course	Title	Credits
FALL		
NOS-130	Windows Single User	3
NOS-230	Windows Administration I	3
SPRING		
NOS-231	Windows Administration II	3
NOS-232	Windows Administration III	3
SUMMER		
NOS-120	Linux/UNIX Single User	3
FALL		
NOS-220	Linux/Unix Admin I	3
Total Semester Hours:		18

Information Technology
PROGRAMMING AND SOFTWARE DEVELOPMENT COMPUTER PROGRAMMING CERTIFICATE (C25590P8)

Course	Title	Credits
FALL		
CTI-110	Web, Pgm, & Db Foundation	3
CIS-115	Intro to Prog and Logic	3
SPRING		
DBA-120	Database Programming I	3
CSC-151	JAVA Programming	3
SUMMER		
CSC-251	Adv JAVA Programming	3
WEB-151	Mobile Application Dev I	3
Total Semester Hours:		18

Information Technology
SYSTEMS SECURITY CERTIFICATE (C25590P9)

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

Information Technology
SYSTEMS SECURITY CYBER DEFENSE CERTIFICATE (C25590PA)

Course	Title	Credits
FALL		
CTI-120	Network and Sec Foundation	3
SEC-110	Security Concepts	3
SPRING		
SEC-150	Secure Communications	3
SEC-160	Security Administration I	3
FALL		
CCT-231	Technology Crimes & Law	3
SPRING		
CCT-250	Network Vulnerabilities I	3
Total Semester Hours:		**18**

Information Technology
TECHNICAL SUPPORT AND SERVICES A+ CERTIFICATION (C25590PB)

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

Information Technology
TECHNICAL SUPPORT AND SERVICE HELP DESK CERTIFICATE (C25590PC)

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

Information Technology
WEB TECH MOBILE APP DEVELOPMENT CERTIFICATE (C25590PD)

Course	Title	Credits
FALL		
CTI-110	Web, Pgm & Db Foundation	3
CIS-115	Intro to Prog & Logic	3
CSC-118	Swift Programming I	3
SPRING		
CSC-151	JAVA Programming	3
CSC-218	Swift Programming II	3
SUMMER		
WEB-151	Mobile Application Development I	3
Total Semester Hours:		**18**

Information Technology
WEB TECH SOCIAL MEDIA INTERNET MARKET CERTIFICATE (C25590PE)

Course	Title	Credits
FALL		
CIS-110	Introduction to Computers	3
WEB-115	Web Markup and Scripting	3
SPRING		
WEB-111	Intro to Web Graphics	3
WEB-213	Internet Mkt & Analytics	3
SUMMER		
WEB-214	Social Media	3
WEB-285	Emerging Web Technologies	3
Total Semester Hours:		**18**

Information Technology
WEB TECH WEB FUNDAMENTALS CERTIFICATE
(C25590PF)

Course	Title	Credits
FALL		
CTI-110	Web, Pgm & Db Foundation	3
CTI-120	Network & Sec Foundation	3
SPRING		
CIS-110	Introduction to Computers	3
WEB-115	Web Markup and Scripting	3
SUMMER		
CTS-115	Info Sys Business Concepts	3
WEB-140	Web Development Tools	3
Total Semester Hours:		**18**

Medical Office Administration
MEDICAL RECEPTIONIST CERTIFICATE (C25310P2)

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

Medical Office Administration
OUTPATIENT BILLING CERTIFICATE (C25310P3)

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

Medical Office Administration*
DIPLOMA (D25310P1)

Course	Title	Credits
FALL		
ENG-111	Writing and Inquiry	3
CIS-110	Intro to Computers	3
OST-161	Medical Ofc Procedures	3
OST-141	Med Office Terms I	3
OST-130	Comprehensive Keyboarding	3
SPRING		
OST-148	Med Insur 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
SUMMER		
COM-231	Public Speaking	3
OST-122	Office Computations	3
OST-286	Professional Development	3
Total Semester Hour:		**39**

Project Management Technology
INFORMATION SYSTEMS CERTIFICATE (C25390I1)

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

Plumbing
CERTIFICATE (C35300P1)

Course	Title	Credits
FALL		
PLU 110	Modern Plumbing	9
SPRING		
PLU 120	Plumbing Applications	9
Total Semester Hours:		**18**

Plumbing*
DIPLOMA (D35300P1)

Course	Title	Credits
FALL		
MAT-143	Quantitative Literacy	3
BPR-130	Print Reading-Construction	3
PLU-110	Modern Plumbing	9
PLU-140	Intro to Plumbing Codes	2
SPRING		
PLU-150	Plumbing Diagrams	2
WLD-112	Basic Welding Processes	2
PLU-120	Plumbing Applications	9
SUMMER		
ENG-111	Writing and Inquiry	3
PLU-130	Plumbing Systems	6
Total Semester Hours:		**39**

Supply Chain Management
GLOBAL LOGISTICS TECHNOLOGY CERTIFICATE
(C25620P1)

Course	Title	Credits
FALL		
LOG-110	Introduction to Logistics	3
SPRING		
LOG-125	Transportation Logistics	3
LOG-215	Supply Chain Management	3
FALL		
LOG-235	Import/Export Management	3
LOG-240	Purchasing Logistics	3
INT 110	International Business	3
Total Semester Hours:		**18**

Supply Chain Management*
GLOBAL LOGISTICS TECHNOLOGY DIPLOMA
(D25620P1)

Course	Title	Credits
FALL		
ENG-111	Writing and Inquiry	3
LOG-110	Introduction to Logistics	3
CIS-110	Introduction to Computers	3
SPRING		
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
FALL		
MAT-143	Quantitative Literacy	3
LOG-235	Import/Export Management	3
LOG-240	Purchasing Logistics	3
LOG-210	Fleet Management	3
Total Semester Hours:		**36**

Welding Technology
CERTIFICATE (C50420P1)

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

Welding Technology*
DIPLOMA (D50420P1)

Course	Title	Credits
FALL		
ENG-111	Writing and Inquiry	3
WLD-110	Cutting Processes	2
WLD-115	SMAW (Stick) Plate	5
WLD-131	GTAW (TIG) Plate	4
WLD-141	Symbols & Specifications	3
SPRING		
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
SUMMER		
WLD-151	Fabrication I	4
WLD-262	Inspection & Testing	3
WLD-265	Automated Welding/Cutting	4
Total Semester Hours:		**44**

STEPS TO ENROLL

1 Student completes the online application:
www.forsythtech.edu/ccp

2 Student completes the Student Agreement Form:
www.forsythtech.edu/ccp

3 High school principal or designee submits
High School Agreement Form and
High School Transcripts*.

4 Student attends a required New Student Orientation.

* Homeschool principal also submits NC Homeschool
Certification Record.

**For more information, talk to your high school counselor
or your career development coordinator.**

Career & College PROMISE
PROGRAMS

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

Contact Information
Educational Partnerships
Snyder Hall, Suite 6102
edupartnerships@forsythtech.edu | 336.734.7466

Main Campus
2100 Silas Creek Parkway
Winston-Salem. NC
Phone: 336.723.0371

Northwest Forsyth Center
3111 Big Oaks Dr.
King, NC
Phone: 336.734.7050

Grady P. Swisher
1108 Swisher Center Rd Kernersville,
NC
Phone: 336.734.7903

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

Mazie S. Woodruff Center
4905 Lansing Dr.
Winston-Salem, NC
Phone: 336.734.7950

Forsyth Tech Stokes County Center
1165 Dodgetown Rd.
Walnut Cove, NC
Phone: 336.593.5402

Forsyth Tech
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CAREER & COLLEGE PROMISE

www.ForsythTech.edu/ccp