

# **NC CAREER & COLLEGE PROMISE**

## **Program Guide**



**High School Students**

**Earn college credit tuition-free!**



**[www.spcc.edu/admissions/ccp](http://www.spcc.edu/admissions/ccp)**  
**Enrollment hotline: 704.272.5391**  
**[admissions@spcc.edu](mailto:admissions@spcc.edu)**

South Piedmont Community College serves Anson and Union counties.  
The college is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees, diplomas, and certificates.



# **NC CAREER & COLLEGE PROMISE**



**SP** SOUTH  
PIEDMONT  
COMMUNITY COLLEGE

2014-2015 Career & College Promise Program Guide

# *Tuition-Free College Classes for High School Students*

Parents, at South Piedmont Community College your sons and daughters can take college classes while they are still in high school. The N.C. Career & College Promise (CCP) program is a jumpstart for earning a college degree.

**Tuition is free.** (*The N.C. General Assembly funds the program.*)

High school juniors and seniors (from public high schools, private high schools and home schools) who meet GPA and other requirements are eligible to participate in the CCP program. Freshmen and sophomores may choose to take classes from the Career and Technical Education (CTE) pathways, focusing on manufacturing, technology, engineering, and mathematics.

Imagine the day your child graduates from high school. Your child can be well on the way to earning an associate degree at South Piedmont Community College. This approach saves your family money and puts your child closer to finishing college.

**Classes are offered at our college campuses in Monroe and Polkton and online. Some classes may be offered at your local high school.** Classes are organized into pathways and align with the K-12 curriculum and Career and College Ready Standards adopted by the State Board of Education.

The South Piedmont Community College School of Arts and Sciences offers two transfer pathways that provide structured sets of general education courses. Upon completion of the Associate in Arts College Transfer Pathway or the Associate in Science College Transfer Pathway, students will be able to earn an Associate in Arts (AA) degree or an Associate in Science (AS) degree with less than 30 additional hours of study.

The South Piedmont Community College School of Applied Science and Technology offers 26 CTE pathways within the following career clusters: Architecture & Construction; Arts A/V Technology & Communications; Business Management & Administration; Health Science; Human Services; Information Technology; Law, Public Safety, Corrections & Safety; Manufacturing; and Science, Technology, Engineering & Mathematics. Upon completion, students earn a curriculum certificate and will have accumulated a substantial number of credits toward an Associate of Applied Science (AAS) degree.

To get started, contact your child's guidance counselor. The counselor can provide information about your child's eligibility and coordinate the high school and college class schedules. New for academic year 2014-2015, students may enroll concurrently in two CTE pathways. Students still have the option to enroll in one College Transfer Pathway and one Career and Technical Education pathway at the same time. The guidance counselor can help determine whether to select one pathway or two.

Students who remain at South Piedmont Community College to earn an associate degree enjoy the benefits of: low-cost tuition, individualized attention, and instruction from caring, highly qualified, and dedicated faculty. If you have questions about CCP or South Piedmont Community College, please contact an Enrollment Recruiter: Scott Collier or Jeff Jost. Scott may be reached at [scollier@spcc.edu](mailto:scollier@spcc.edu) and 704-290-5872. Jeff may be reached at [jjost@spcc.edu](mailto:jjost@spcc.edu) and 704-290-5871.

# College Transfer Pathways

## COLLEGE TRANSFER

The College Transfer Pathways are designed for high school juniors and seniors who wish to take courses toward a baccalaureate degree and to experience the rigor and independence of college life. The Associate in Arts College Transfer Pathway (32-33 hours) and the Associate in Science College Transfer Pathway (34 hours) provide structured sets of general education courses.

Upon completion of a College Transfer Pathway, the student may complete an Associate in Arts (61 hours) or an Associate in Science (61 hours) with one year of full-time study at South Piedmont Community College. Or, the student may apply for admission and receive credit for general education courses at all North Carolina public universities or a participating independent college or university.

Students who remain at South Piedmont Community College to earn an associate degree enjoy the benefits of low-cost tuition, individualized attention, and instruction from caring, highly qualified, and dedicated faculty.

The Career & College Promise program (CCP) makes it possible to earn a baccalaureate degree in as little as three years after high school.

**Step 1**—While in high school, complete the CCP Associate in Arts College Transfer Pathway or the CCP Associate in Science College Transfer Pathway.

**Step 2**—For the first year in college, complete the Associate in Arts (AA) or Associate in Science (AS) degree program at South Piedmont Community College.

**Step 3**—For the second and third years in college, complete a Bachelor of Arts (BA) or Bachelor of Science (BS) degree program at a four-year college or university. *(Please see page 5 for a list of colleges and universities in North Carolina that accept course credit transfer.)*





# College Transfer Pathways

## ARTICULATION AGREEMENTS

### ARTICULATION AGREEMENTS FOR COLLEGE TRANSFER

The N.C. Community College System (NCCCS) and the University of North Carolina (*a system of 16 public four-year universities*) abide by a Comprehensive Articulation Agreement (CAA) that governs course credit transfers. The NCCCS also has articulation agreements with the NC Independent Colleges and Universities (NCICU).

These agreements help to ensure that students who transfer from South Piedmont Community College to a four-year institution receive full credit for the classes.

Associate in Arts (AA) Degree or an Associate in Science (AS) Degree, students may transfer with junior status to any of the 16 UNC institutions and many of the affiliates of NCICU. Students are encouraged to consult with their academic advisor while at South Piedmont Community College and to research specific programs at their intended four-year school.

#### Comprehensive Articulation Agreement Schools

Appalachian State University  
East Carolina University  
Elizabeth City State University  
Fayetteville State University  
NC A&T  
NC Central University  
NC State University  
UNC Asheville  
UNC-Chapel Hill  
UNC Charlotte  
UNC Greensboro  
UNC Pembroke  
UNC Wilmington  
UNC School of the Arts  
Western Carolina University  
Winston-Salem State University

#### Independent Comprehensive Articulation Agreement Schools

Barton College  
Belmont Abbey College  
Bennett College for Women  
Brevard College  
Campbell University  
Catawba College  
Gardner-Webb University  
Johnson C. Smith University  
Livingstone College  
Louisburg College  
Mars Hill College  
Montreat College  
Mount Olive College  
North Carolina Wesleyan College  
Peace College  
Pfeiffer University  
Queens University of Charlotte  
St. Andrews Presbyterian College  
Saint Augustine's College  
Salem College  
Shaw University  
Warren Wilson College  
Wingate University

# College Transfer Pathways

## COLLEGE TRANSFER

### ASSOCIATE IN ARTS College Transfer Pathway (P1012C)

The Associate in Arts Pathway is available to eligible high school juniors and seniors.

#### GENERAL EDUCATION

*The following two English courses are required.*

##### English Composition (6 SHC)

ENG 111 Writing & Inquiry (3 SHC)

ENG 112 Writing/Research in the Disciplines (3 SHC)

#### Prerequisites

CCP qualifying scores

ENG 111

#### Academic Transition (1 SHC)

*The following course is required.*

ACA 122 College Transfer Success (1 SHC)

ENG 111, ENG 112 and COM 231

#### Communication or Humanities/Fine Arts (9 SHC)

*Nine semester hours credit must come from Communication or Humanities/Fine Arts. Select three courses from the following from at least two different disciplines. It is recommended that students select COM 231 and then two classes from Humanities/Fine Arts.*

##### Communication

COM 231 Public Speaking (3 SHC)

CCP qualifying scores

##### Humanities/Fine Arts

ART 111 Art Appreciation (3 SHC)

CCP qualifying scores

ART 114 Art History Survey I (3 SHC)

CCP qualifying scores

ART 115 Art History Survey II (3 SHC)

CCP qualifying scores

ENG 231 American Literature I (3 SHC)

ENG 112, ENG 113 or ENG 114

ENG 232 American Literature II (3 SHC)

ENG 112, ENG 113 or ENG 114

MUS 110 Music Appreciation (3 SHC)

CCP qualifying scores

MUS 112 Introduction to Jazz (3 SHC)

CCP qualifying scores

PHI 215 Philosophical Issues (3 SHC)

ENG 111

PHI 240 Introduction to Ethics (3 SHC)

ENG 111

#### Mathematics (3-4 SHC)

*Three to four semester hours credit must come from Mathematics. Select one course from the following:*

MAT 143 Quantitative Literacy (3 SHC)

CCP qualifying scores

MAT 152 Statistical Methods I (4 SHC)

CCP qualifying scores

MAT 171 Pre-calculus Algebra (4 SHC)

CCP qualifying scores or MAT 161

#### Natural Sciences (4 SHC)

*Four semester hours credit must come from Natural Sciences. Select one 4SHC offering from the following:*

AST 111 Descriptive Astronomy (3 SHC)

CCP qualifying scores

and AST 111A Descriptive Astronomy Lab (1 SHC)

AST 151 General Astronomy I (3 SHC)

CCP qualifying scores

and AST 151A General Astronomy Lab (1 SHC)

BIO 110 Principles of Biology I (4 SHC)

CCP qualifying scores

# College Transfer Pathways

## COLLEGE TRANSFER

### **Natural Sciences** (4 SHC) *continued*

BIO 111 General Biology I (4 SHC)	CCP qualifying scores
CHM 151 General Chemistry I (4 SHC)	CCP qualifying scores
MAT 171 Pre-calculus Algebra (3 SHC)	CCP qualifying scores
PHY 110 Conceptual Physics (3 SHC) and PHY 110A Conceptual Physics Lab (1 SHC)	CCP qualifying scores

### **Social/Behavioral Sciences** (9 SHC)

*Nine semester hours credit must come from Social/Behavioral Sciences. Select three courses from the following:*

ECO 251 Principles of Microeconomics (3 SHC)	CCP qualifying scores
ECO 252 Principles of Macroeconomics (3 SHC)	CCP qualifying scores
HIS 111 World Civilizations I (3 SHC)	CCP qualifying scores
HIS 112 World Civilizations II (3 SHC)	CCP qualifying scores
HIS 131 American History I (3 SHC)	CCP qualifying scores
HIS 132 American History II (3 SHC)	CCP qualifying scores
POL 120 American Government (3 SHC)	CCP qualifying scores
PSY 150 General Psychology (3 SHC)	CCP qualifying scores
SOC 210 Introduction to Sociology (3 SHC)	CCP qualifying scores

### **Semester Credit Hours and Transferability**

The Total Semester Hours Credit (SHC) in the Associate in Arts College Transfer Pathway Program is 32 or 33, depending on Math selection.

The general education requirement includes courses selected from the Universal General Education Transfer Component (UGETC) of the Comprehensive Articulation Agreement. All of these courses are transferable.

High school students in this College Transfer Pathway must complete the entire pathway before taking additional courses in the Associate of Arts degree program.

# College Transfer Pathways

## COLLEGE TRANSFER

### ASSOCIATE IN SCIENCE College Transfer Pathway (P1042C)

The Associate in Science Pathway is available to eligible high school juniors and seniors.

#### GENERAL EDUCATION

*The following two English courses are required.*

##### English Composition (6 SHC)

ENG 111 Writing & Inquiry (3 SHC)

ENG 112 Writing/Research in the Disciplines (3 SHC)

#### Prerequisites

CCP qualifying scores

ENG 111

##### Academic Transition (1 SHC)

*The following course is required.*

ACA 122 College Transfer Success (1 SHC)

ENG 111, ENG 112 and COM 231

##### Communication or Humanities/Fine Arts (6 SHC)

*Six semester hours credit must come from Communication or Humanities/Fine Arts. Select two courses from the following from at least two different disciplines. It is recommended that students select COM 231 and then one class from Humanities/Fine Arts.*

##### Communication

COM 231 Public Speaking (3 SHC)

CCP qualifying scores

##### Humanities/Fine Arts

ART 111 Art Appreciation (3 SHC)

CCP qualifying scores

ART 114 Art History Survey I (3 SHC)

CCP qualifying scores

ART 115 Art History Survey II (3 SHC)

CCP qualifying scores

ENG 231 American Literature I (3 SHC)

ENG 112, ENG 113 or ENG 114

ENG 232 American Literature II (3 SHC)

ENG 112, ENG 113 or ENG 114

MUS 110 Music Appreciation (3 SHC)

MUS 112 Introduction to Jazz (3 SHC)

PHI 215 Philosophical Issues (3 SHC)

ENG 111

PHI 240 Introduction to Ethics (3 SHC)

ENG 111

##### Mathematics (8 SHC)

*Eight semester hours credit must come from Mathematics. Select two courses from the following:*

MAT 171 Pre-calculus Algebra (4 SHC)

CCP qualifying score

MAT 172 Pre-calculus Trigonometry (4 SHC)

CCP qualifying scores and Pre-requisite MAT 171

MAT 263 Brief Calculus (4 SHC)

MAT 161, MAT 171 or MAT 175

MAT 271 Calculus I (4 SHC)

MAT 172 or MAT 175

##### Natural Sciences (8 SHC)

*Eight semester hours credit must come from Natural Sciences. Select two 4SHC from the following:*

AST 151 General Astronomy I (3 SHC)

CCP qualifying scores

and AST 151A General Astronomy Lab (1 SHC)

CCP qualifying scores

BIO 110 Principles of Biology (4 SHC)

CCP qualifying scores

BIO 111 General Biology I (4 SHC)

CCP qualifying scores

and BIO 112 General Biology II (4 SHC)

BIO 111

CHM 151 General Chemistry I (4 SHC)

CCP qualifying scores

and CHM 152 General Chemistry II (4 SHC)

CHM 151



# College Transfer Pathways

## COLLEGE TRANSFER

### **Natural Sciences (8 SHC) *Continued***

GEL 151 Introductory Geology

PHY 110 Conceptual Physics (3 SHC)

and PHY 110A Conceptual Physics Lab (1 SHC)

PHY 151 College Physics I (4 SHC)

and PSY 152 College Physics II (4 SHC)

PHY 251 General Physics I (4 SHC)

and PHY 252 General Physics II (4 SHC)

CCP qualifying scores

CCP qualifying scores

MAT 161 or MAT 171

PHY 151

MAT 271 Pre-Req. and MAT 272 Co-Req.

MAT 272 and PHY 251

### **Social/Behavioral Sciences (6 SHC)**

*Six semester hours credit must come from Social/Behavioral Sciences. Select two courses from the following:*

ECO 251 Principles of Microeconomics (3 SHC)

ECO 252 Principles of Macroeconomics (3 SHC)

HIS 111 World Civilizations I (3 SHC)

HIS 112 World Civilizations II (3 SHC)

HIS 131 American History I (3 SHC)

HIS 132 American History II (3 SHC)

POL 120 American Government (3 SHC)

PSY 150 General Psychology (3 SHC)

SOC 210 Introduction to Sociology (3 SHC)

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

CCP qualifying scores

### **Semester Credit Hours and Transferability**

The Total Semester Hours Credit (SHC) in the Associate in Science College Transfer Pathway Program is 35. The general education requirement includes courses selected from the Universal General Education Transfer Component (UGETC) of the Comprehensive Articulation Agreement. All of these courses are transferable.

High school students in this College Transfer Pathway must complete the entire pathway before taking additional courses in the Associate of Science degree program.

# Career Technical Education Pathways

For the N.C. Career & College Promise (CCP) program, the South Piedmont Community College School of Applied Science and Technology offers pathways in nine career clusters. The clusters are: Architecture & Construction; Arts A/V Technology & Communications; Business Management & Administration; Health Science; Human Services; Information Technology; Law, Public Safety, Corrections & Safety; Manufacturing; and Science, Technology, Engineering & Mathematics.

There are 26 CTE pathways. A curriculum certificate is awarded for 25 of the CTE Pathways. Students can earn a curriculum diploma in the Early Childhood Education pathway in the Human Services career cluster.

Upon completion of a CTE Pathway, students will have earned substantial credit toward an Associate in Applied Science (AAS) degree. The AAS program, which includes courses as well as co-op and internship opportunities, prepares people for entry-level jobs.

All courses identified for CCP CTE Pathways are college-credit, but not all courses are transferrable. To assist students who plan to go on to a four-year university, the courses that transfer under the Comprehensive Articulation Agreement between the N.C. Community College System and the University of North Carolina system are marked with (T). Through bilateral agreements with several four-year colleges and universities many courses taken as part of an AAS program may be accepted for transfer credit. Students are encouraged to consult with their academic advisor while at South Piedmont Community College.

## ARCHITECTURE & CONSTRUCTION

*The following CTE pathways are available to eligible high school juniors and seniors.*

<b>ENHANCED ELECTRICAL PATHWAY CERTIFICATE (C35130PB)</b>	<b>Hours</b>	<b>Prerequisites</b>
ELC 112 DC/AC Electricity	5	None
ELC 117 Motors and Controls	4	None
ELC 128 Intro to PLC	3	None
DFT 151 CAD I	3	None
HYD 110 Hydraulics/Pneumatics	3	None
<b>Total Credits</b>	<b>18</b>	

<b>INTRODUCTION TO AGRIBUSINESS CERTIFICATE (C15100PA)</b>	<b>Hours</b>	<b>Prerequisites</b>
AGR 139 Intro to Sustainable Agriculture	3	None
AGR 140 Agricultural Chemicals	3	None
AGR 170 Soil Science	3	None
ANS 110 Animal Science	3	None
BUS 110 Introduction to Business (T)	3	None
<b>Total Credits</b>	<b>15</b>	

<b>INTRODUCTION TO HVAC-R CERTIFICATE (C35100PA)</b>	<b>Hours</b>	<b>Prerequisites</b>
AHR 110 Introduction to Refrigeration	5	None
AHR 111 HVACR Electricity	3	None
AHR 112 Heating Technology	4	None
AHR 113 ComfortCooling	4	None
AHR 140 All Weather Systems	2	AHR 112 or AHR 113
<b>Total Credits</b>	<b>18</b>	

# Career Technical Education Pathways

## ARTS, A/V TECHNOLOGY AND COMMUNICATIONS

*The following CTE pathway is available to eligible high school juniors and seniors.*

### BASICS OF ADVERTISING AND GRAPHIC DESIGN CTE CERTIFICATE (C30100PA)

	Hours	Prerequisites
GRD 141 Graphic Design I	4	None
GRD 142 Graphic Design II	4	ART 121 or GRD 141 or DES 135
GRD 151 Computer Design Basics	3	None
GRD 152 Computer Design Techniques	3	GRD 151
<b>Total Credits</b>	<b>14</b>	

## BUSINESS MANAGEMENT & ADMINISTRATION

*The following CTE pathways are available to eligible high school juniors and seniors.*

### ACCOUNTING CTE CERTIFICATE (C25100PA)

	Hours	Prerequisites
ACC 120 Principle of Financial Accounting (T)	4	None
ACC 121 Principles of Managerial Accounting (T)	4	ACC 120
ACC 129 Individual Income Taxes	3	None
BUS 115 Business Law I (T)	3	None
<b>Total Credits</b>	<b>14</b>	

### BUSINESS ADMINISTRATION CTE CERTIFICATE (C25120PA)

	Hours	Prerequisites
ACC 120 Principle of Financial Accounting (T)	4	None
BUS 115 Business Law I (T)	3	None
BUS 137 Principles of Management (T)	3	None
ECO 252 Principles of Macroeconomics (T)	3	None
<b>Total Credits</b>	<b>13</b>	

### ENHANCED ACCOUNTING PATHWAY CERTIFICATE (C25100PB)

	Hours	Prerequisites
ACC 120 Principles of Financial Accounting (T)	4	None
ACC121 Principles of Managerial Accounting (T)	4	ACC 120
ACC 129 Individual Income Taxes	3	None
ECO 252 Principles of Macroeconomics (T)	3	None
BUS 125 Personal Finance	3	None
<b>Total Credits</b>	<b>17</b>	

### ENHANCED BUSINESS ADMINISTRATION PATHWAY CERTIFICATE (C25120PB)

	Hours	Prerequisites
BUS 115 Business Law I (T)	3	None
BUS 137 Principles of Management (T)	3	None
MKT 120 Principles of Marketing	3	None
ECO 252 Principles of Macroeconomics (T)	3	None
BUS 110 Introduction to Business (T)	3	None
BUS 125 Personal Finance	3	None
<b>Total Credits</b>	<b>17</b>	

# Career Technical Education Pathways

## ENHANCED ENTREPRENEURSHIP PATHWAY CERTIFICATE (C25490PB) Hours

ACC 120 Principle of Financial Accounting (T)	4	Prerequisites	None
BUS 139 Entrepreneurship I	3		None
BUS 280 REAL Small Business	4		None
ETR 230 Entrepreneurship Marketing	3		None
WEB 110 Internet/Web Fundamentals	3		None
<b>Total Credits</b>	<b>17</b>		

## ENTREPRENEURSHIP CTE CERTIFICATE (C25490PA) Hours

ACC 120 Principle of Financial Accounting (T)	4	Prerequisites	None
BUS 280 REAL Small Business	4		None
BUS 139 Entrepreneurship I	3		None
ETR 230 Entrepreneurship Marketing	3		None
<b>Total Credits</b>	<b>14</b>		

## HEALTH SCIENCE

*The following CTE pathway is available to eligible high school juniors and seniors.*

### MEDICAL OFFICE ADMINISTRATION CTE CERTIFICATE (C25310PA) Hours

CIS 110 Intro to Computers (T)	3	Prerequisites	None
MED 121 Medical Terminology I	3	CCP qualifying scores	
MED 122 Medical Terminology II	3	MED 121	
OST 148 Medical Coding, Billing & Insurance	3	None	
<b>Total Credits</b>	<b>12</b>		

### NURSING ASSISTING CTE CERTIFICATE (C45840PA) Hours

NAS 101 Nurse Aide I	6	Prerequisites	None
NAS 102 Nurse Aide II	6		NAS 101
<b>Total Credits</b>	<b>12</b>		

## HUMAN SERVICES

*The following CTE pathways are available to eligible high school juniors and seniors.*

### EARLY CHILDHOOD EDUCATION CTE CERTIFICATE (C55220PA) Hours

EDU 119 Intro Early Childhood Education	4	Prerequisites	None
EDU 144 Child Development I (T)	3	CCP qualifying scores	
EDU 145 Child Development II (T)	3	CCP qualifying scores	
EDU 151 Creative Activities	3	CCP qualifying scores	
<b>Total Credits</b>	<b>13</b>		

### EARLY CHILDHOOD EDUCATION CTE DIPLOMA (D55220PA) Hours

ENG 111 Expository Writing	3	Prerequisites	CCP qualifying scores
COM 231 Public Speaking	3		CCP qualifying scores
EDU 119 Introduction to Early Childhood Ed	4		None
EDU 131 Child, Family, and Community	3		CCP qualifying scores
EDU 144 Child Development I (T)	3		CCP qualifying scores
EDU 145 Child Development II (T)	3		CCP qualifying scores
EDU 146 Child Guidance (T)	3		CCP qualifying scores
EDU 151 Creative Activities	3		CCP qualifying scores
EDU 153 Health, Safety, and Nutrition	3		CCP qualifying scores
EDU 221 Children with Exceptionalities (T)	3		CCP qualifying scores
PSY 150 General Psychology	3		CCP qualifying scores
SOC 213 Sociology of the Family	3		CCP qualifying scores
<b>Total Credits</b>	<b>37</b>		

# Career Technical Education Pathways

## ENHANCED EARLY CHILDHOOD PATHWAY CERTIFICATE (C55220PB) Hours

EDU 119 Introduction to Early Childhood Ed	4
EDU 144 Child Development I (T)	3
EDU 145 Child Development II (T)	3
EDU 146 Child Guidance (T)	3
EDU 151 Creative Activities	3
EDU 188 Issues in Early Childhood Education	2

**Total Credits** **18**

## Prerequisites

None
CCP qualifying scores
CCP qualifying scores
CCP qualifying scores
CCP qualifying scores
CCP qualifying scores

## HUMAN SERVICES TECHNOLOGY CTE CERTIFICATE (C45380PA) Hours

HSE 110 Introduction to Human Services	3
HSE 112 Group Process I	2
HSE 123 Interview Techniques	3
HSE 210 Human Services Issues	2
HSE 225 Crisis Intervention	3

**Total Credits** **13**

## Prerequisites

None
None
None
None
None

## INFORMATION TECHNOLOGY

*The following CTE pathways are available to eligible high school juniors and seniors.*

## BASIC GAME DEVELOPMENT CERTIFICATE (C25260PC) Hours

CIS 110 Introduction to Computers (T)	3
CIS 115 Introduction to Programming and Logic (T)	3
DBA 110 Database Concepts	3
SEC 110 Security Concepts	3
SGD 111 Introduction to SGD	3
SGD 112 SGD Design	3

**Total Credits** **18**

## Prerequisites

None
CCP qualifying scores
None
None
None
None

## COMPUTER INFORMATION TECH CTE CERTIFICATE (C25260PA) Hours

CIS 110 Introduction to Computers (T)	3
CTS 120 Hardware/Software Support	3
NET 125 Networking Basics	3
NOS 110 Operating System Concepts	3

**Total Credits** **12**

## Prerequisites

None
CIS 110 or CIS 111
None
None

## ENHANCED CIT PATHWAY CERTIFICATE (C25260PB) Hours

BUS 110 Introduction to Business (T)	3
CIS 115 Introduction to Programming and Logic (T)	3
DBA 110 Database Concepts	3
SEC 110 Security Concepts	3
NET 125 Networking Basics	3
WEB 110 Internet/Web Fundamentals	3

**Total Credits** **18**

## Prerequisites

None
CCP qualifying scores
None
None
None
None

## WEB TECHNOLOGIES FUNDAMENTALS CERTIFICATE (C25290PA) Hours

DBA 110 Database Concepts	3
WEB 110 Internet/Web Fundamentals	3
WEB 120 Intra Internet Multimedia	3
WEB 140 Web Development Tools	3
WEB 210 Web Design	3
GRD 151 Computer Design Basics	3

**Total Credits** **18**

## Prerequisites

None
None
None
CCP qualifying scores
CCP qualifying scores
None



# Career Technical Education Pathways

## LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

The following CTE pathways are available to eligible high school juniors and seniors.

### BASIC CYBER CRIMINOLOGY CERTIFICATE (C55180PB)

	Hours	Prerequisites
CJC 111 Introduction to Criminal Justice (T)	3	None
CJC 112 Criminology	3	None
CJC 131 Criminal Law	3	None
CJC 212 Ethics & Community Relations	3	None
CET 150 Computer Forensics I	3	None
CET 250 Computer Forensics II	3	None
<b>Total Credits</b>	<b>18</b>	

### CJC LAW ENFORCEMENT PREPARATION CTE CERTIFICATE (C55180PC)

	Hours	Prerequisites
CJC 111 Introduction to Criminal Justice (T)	3	None
CJC 112 Criminology	3	None
CJC 113 Juvenile Justice	3	None
CJC 121 Law Enforcement Operations (T)	3	None
CJC 212 Ethics and Community Relations	3	None
<b>Total Credits</b>	<b>15</b>	

### CRIMINAL JUSTICE TECH CTE CERTIFICATE (C55180PA)

	Hours	Prerequisites
CJC 111 Introduction to Criminal Justice (T)	3	None
CJC 113 Juvenile Justice	3	None
CJC 131 Criminal Law	3	None
CJC 221 Investigative Principles	4	None
<b>Total Credits</b>	<b>13</b>	

### INTRODUCTION TO CYBER CRIME CERTIFICATE (C55210PA)

	Hours	Prerequisites
CCT 110 Intro to Cyber Crime	3	None
CCT 112 Ethics & High Technology	3	None
CCT 121 Computer Crime Investigation	4	None
CCT 231 Technology Crimes & Law	3	None
SEC-110 Security Concepts	3	None
<b>Total Credits</b>	<b>16</b>	

### PARALEGAL TECH CTE CERTIFICATE (C25380PA)

	Hours	Prerequisites
LEX 150 Commercial Law	3	CCP qualifying scores
LEX 210 Real Property I	3	CCP qualifying scores
LEX 240 Family Law	3	CCP qualifying scores
LEX 250 Wills, Estates, and Trusts	3	CCP qualifying scores
<b>Total Credits</b>	<b>12</b>	

## MANUFACTURING

The following CTE pathways are available to eligible high school freshman, sophomores, juniors, and seniors.

### ENGINEERING TECHNOLOGY INDUSTRIAL SYSTEMS CERT. (C50240PB)

	Hours	Prerequisites
BPR 111 Print Reading	2	None
ISC 112 Industrial Safety	2	None
MAC 114 Intro to Metrology	2	None
MAC 151 Machining Calculations	2	None
MNT 110 Intro to Maintenance Procedures	2	None
ELC 112 DC/AC Electricity	5	None
HYD 110 Hydraulics/Pneumatics I	3	None
<b>Total Credits</b>	<b>18</b>	

# Career Technical Education Pathways

## MANUFACTURING *Continued*

### INTRODUCTION TO INDUSTRIAL SYSTEMS CERTIFICATE (C50240PA)

	Hours	Prerequisites
BPR 111 Print Reading	2	None
MAC 111 Machining Technology I	6	None
HYD 110 Hydraulics/Pneumatics I	3	None
WLD 112 Basic Welding Processes	2	None
MAC 114 Intro to Metrology	2	None
MAC 151 Machining Calculations	2	None
<b>Total Credits</b>	<b>17</b>	

## SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

*The following CTE pathways are available to eligible high school freshman, sophomores, juniors, and seniors.*

### CAD AND ENGINEERING MATERIALS CERTIFICATE (C40320PC) Hours Prerequisites

DFT 151 CAD I	3	None
DFT 152 CAD II	3	None
DFT 154 Intro Solid Modeling	3	None
HYD 110 Hydraulics/Pneumatics I	3	None
MEC 145 Manufacturing Materials I	3	None
<b>Total Credits</b>	<b>15</b>	

### ENGINEERING TECHNOLOGY MECHATRONICS CERTIFICATE (C40350PA)

	Hours	Prerequisites
ELC 213 Instrumentation	4	None
MEC 130 Mechanisms	3	None
ELC 117 Motors and Controls	4	None
ELC 128 Introduction to PLC	3	None
HYD 110 Hydraulics/Pneumatics I	3	None
<b>Total Credits</b>	<b>17</b>	

### INTRODUCTION TO MECHATRONICS CERTIFICATE (C40350PB) Hours Prerequisites

CIS 110 Intro to Computers (T)	3	None
DFT 151 CAD I	3	None
ATR 112 Intro to Automation	3	None
ELC 213 Instrumentation	4	None
BUS 139 Entrepreneurship I	3	None
<b>Total Credits</b>	<b>16</b>	

### MECHANICAL ENGINEERING PATHWAY CERTIFICATE (C40320PB) Hours Prerequisites

DFT 151 CAD I	3	None
HYD 110 Hydraulics/Pneumatics I	3	None
MEC 145 MFG Materials I	3	None
EGR 251 Statics	3	None
DFT 152 CAD II	3	None
MAC 121 Introduction to CNC	2	None
<b>Total Credits</b>	<b>17</b>	



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