

Transfer and Career Pathways





About Tri-C CCP Focused Transfer and Career Pathways

Whether your future goals are continued education, degree attainment, transfer or workforce entry, Cuyahoga Community College (Tri-C®) has everything you need and more.

Spend less time in college and save money!

Tri-C's College Credit Plus (CCP) Career Pathways help students, counselors and families choose more than 30 credit hours of courses that apply toward earned degrees, certificates, credentials and employable skills. Our CCP Transfer Pathways simplify course selection that aligns with specific baccalaureate occupational programs at four-year colleges and universities. All transfer program pathways include Ohio Transfer 36 (OT36) or Transfer Assurance Guide (TAG) courses, which are guaranteed to transfer to all Ohio public colleges.

The **Transfer Pathway** gives CCP students and high school counselors a guide to the basic core courses within a particular academic discipline or program and general education courses that are transferrable to any public four-year program.

The **Career Pathway** helps CCP students and high school counselors select courses within a particular career field, enabling them to enter the workforce after obtaining an associate degree.

The **CTE+CCP Career Pathway** aligns students' Career Technical Education (CTE) program experience with CCP courses that align with a degree or certificate in a "high-opportunity" career field, enabling them to enter the workforce after obtaining an associate degree.

MOST TRI-C CCP STUDENTS WHO EARN:



An **ASSOCIATE DEGREE**
in less than a year after
completing high school take
an average of
10.2 HOURS
each semester.



A **TRANSFER-READY
OT36 CERTIFICATE**
takes an average of
10.2 HOURS
each semester.



A **CERTIFICATE**
takes an average of
8.3 HOURS
each semester.

Which strategy aligns with your goals?

TOP COLLEGES/UNIVERSITIES POST-HIGH SCHOOL

Public Colleges/Universities

The Ohio State University	2,269
Cleveland State University	2,039
Kent State University	1,840
Ohio University	817
University of Cincinnati	772
University of Akron	708
Bowling Green State University	620
Miami University	603

Private Colleges/Universities

Baldwin Wallace University	752
John Carroll University	307
Case Western Reserve University	269
University of Dayton	221
Ursuline College	119

TOP TRANSFER COLLEGES/UNIVERSITIES (36-plus credit hours completed at Tri-C)

Public Colleges/Universities

Cleveland State University	571
The Ohio State University	546
Kent State University	377
Ohio University	168
Miami University	161
University of Cincinnati	133
Bowling Green State University	132
University of Akron	128

Private Colleges/Universities

Baldwin Wallace University	195
John Carroll University	76
Case Western Reserve University	60
University of Dayton	47
Ursuline College	35

Some out-of-state colleges include the University of Michigan, Michigan State University, the University of Kentucky, Loyola University Chicago, the Rochester Institute of Technology, the University of Southern California and Cornell University.

TOP TRI-C PROGRAMS FOR CTE AND TECH PREP CREDIT STUDENTS ENROLLED POST-HIGH SCHOOL



BUSINESS
474



**HEALTH
CAREERS**
406



NURSING
319



**ENGINEERING
TECHNOLOGY**
245



**INFORMATION
TECHNOLOGY**
86

CCP students can start as early as the ninth grade to complete an associate degree by the end of 12th grade.

BUSINESS PATHWAY

BUSINESS TRANSFER PATHWAY

Students who take courses within this pathway major in Business Administration (accounting, finance, marketing and more).

FIRST SEMESTER

ENG-1010	College Composition I**	3
POL-1010	American National Government**	3
BADM-1020	Introduction to Business	3
BIO-1040	The Cell and DNA**	3
BIO-104L	The Cell and DNA Laboratory**	1
Total Credit Hours		13

SECOND SEMESTER

ENG-1020	English Composition II**	3
MATH-1470	Mathematics for Business and Social Sciences I**	4
HIST-1510	United States History to 1877**	3
Total Credit Hours		10

THIRD SEMESTER

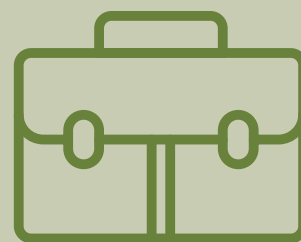
MATH-1480	Modern Math for Business and Social Sciences II ¹	4
ECON-2000	Principles of Microeconomics**	3
BADM-1122	Principles of Management and Organizational Behavior	3
Total Credit Hours		10

FOURTH SEMESTER

ACCT-1311	Financial Accounting	3
Total Credit Hours		3

¹ See a complete list of [Associate of Arts in Business](#) course options.

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BUSINESS CAREER PATHWAY

The Business Career Pathway prepares students for a wide variety of positions within businesses, corporations, industries, nonprofit organizations and governmental agencies.

FIRST SEMESTER

ENG-1010	College Composition I**	3
POL-1010	American National Government**	3
BADM-1020	Introduction to Business	3
IT-1090	Computer Applications	3
Total Credit Hours		12

SECOND SEMESTER

ENG-1020	English Composition II**	3
HIST-1510	United States History to 1877**	3
MATH-1190	Algebraic and Quantitative Reasoning**	4
BADM-1301	Small Business Management	3
Total Credit Hours		13

THIRD SEMESTER

BADM-1122	Principles of Management and Organizational Behavior	3
ECON-2000	Principles of Microeconomics**	3
BADM-2010	Business Communications	3
Total Credit Hours		9

FOURTH SEMESTER

ACCT-1311	Financial Accounting	3
Total Credit Hours		3

¹ See a complete list of [Associate of Applied Business degree in Business Management](#) course options.

BUSINESS PATHWAY

BUSINESS TECHNOLOGY CTE+CCP CAREER PATHWAY

The Business Technology CTE+CCP Career Pathway aligns CTE program credits with college courses for careers in a variety of office settings using word processing, spreadsheets, databases, electronic presentations and desktop publishing. The skills acquired will prepare students to take industry certification exams and complete an Associate of Applied Business degree in Business Technology.

Business CTE College Credit Opportunities

Students who complete a high school C4 Business and Administrative Services pathway will meet the Career-Technical Assurance Guides (CTAG) requirements and/or the Tri-C Tech Prep Articulation Agreement eligibility requirements. They are also potentially eligible to earn the college credits listed below after completing high school.

High School CTE Course Name

ODE-141030 Strategic Entrepreneurship
ODE-142005 Office Management

CTAG Course Name

CTENTR001 Introduction to Entrepreneurship (3)
CTAPS001 Office Procedures (3)

Tech Prep Articulation Agreement College Credit Options

BADM-1020	Introduction to Business	3
BT-1001	Keyboarding	2
BT-1150	Word for Business Documents	3
BT-1700	Business Spreadsheets (Excel)	3
BT-2211	Presentation Software	3
BT-2300	Business Database Systems	3
Total Credit Hours		23

*See the Tech Prep web page for more details on applying Tech Prep credits.

Business CCP Connection to CTE Courses

ENG-1010	College Composition	3
MATH-1190	Algebraic and Quantitative Reasoning	3
BT-2040	Emerging Workplace Technology	3
BT-2200	Advanced Word Processing	3
BT-2700	Advanced Business Spreadsheets (Excel)	3
Total Credit Hours		15



EDUCATION PATHWAY



TEACHER EDUCATION CTE+CCP CAREER PATHWAY

Teacher Education CTE Courses

High School CTE Course Name

CTEDU007 Introduction to Education

Teacher Education CCP Connection to CTE Courses

1000-COMM	Fundamentals of Interpersonal Communication	3
1010-ENG	College Composition I**	3

Post-High School

- Para-Teaching Certificate

FIRST SEMESTER

ENG-1020	College Composition II**	3
ECED-1010	Introduction to Early Childhood Education	4
GEN-1070	First Year Success Seminar	1
MATH-1370	Elementary and Middle School Teachers I	3
PSY-1010	General Psychology**	3
Total Credit Hours		14

SECOND SEMESTER

EDUC-1411	Individuals With Exceptionalities	3
BIO-1050	Human Biology**	3
BIO-105L	Human Biology Laboratory**	1
ECED-1301	Language and Literacy in an Integrated Curriculum	3
	or	
ECED-1311	ECED 1340 Creative Development in an Integrated Curriculum	3
Total Credits Hours		13

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Note: MATH-1370 Prerequisite(s): MATH-0965 Intermediate Algebra, a qualified MATH placement or departmental approval for equivalent coursework.



33 CREDITS
by the end of
YEAR ONE



PATHWAY COURSES BEYOND YEAR ONE

will continue to follow students' degrees and/or Transfer Pathways into CSU's Teacher Education program.



HEALTH SCIENCE PATHWAY



HEALTH SCIENCE CAREER PATHWAY

The Allied Health Short-Term Certificate Program is designed to prepare students for admission into a variety of programs in the Allied Health profession.

The courses required for admission into various Allied Health programs and/or a Short-Term Certificate in Allied Health include:

HTEC-1050	Medical Terminology	2
HTEC-1110	Ethics for Health Care Professionals	1
ENG-1010	College Composition I**	3
PSY-1010	General Psychology**	3
HTEC-1807	Special Topics in Nursing and Health Professions	1

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Coursework in the certificate (10 credit hours) can apply toward the following health professions degree programs:

- Dental Hygiene (6 credit hours)
- Diagnostic Medical Sonography — all tracks (9 credit hours)
- Emergency Medical Technology (8 credit hours)
- Health Information Management Technology (8 credit hours)
- Human Services (6 credit hours)
- Massage Therapy (8 credit hours)
- Medical Assisting — both tracks (8 credit hours)
- Medical Laboratory Technology (3 credit hours)
- Nuclear Medicine (8 credit hours)
- Nursing (6 credit hours)
- Occupational Therapist Assisting (6 credit hours)
- Physical Therapist Assisting (6 credit hours)
- Radiography (6 credit hours)
- Respiratory Care (6 credit hours)
- Sport and Exercise Studies (6 credit hours)
- Surgical Technology (3 credit hours)
- Veterinary Technology (6 credit hours)

HEALTH SCIENCE CTE+CCP CAREER PATHWAY

Teacher Education CTE Courses

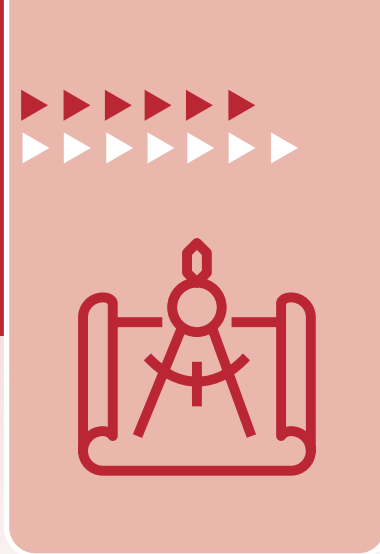
High School CTE Course Name

CTMT001: Medical Terminology

3



ENGINEERING TECHNOLOGY PATHWAY



ENGINEERING TRANSFER PATHWAY

Students taking courses in this pathway are prepared for the engineering field (electrical, mechanical, computer and more).

FIRST SEMESTER

ENG-1010	College Composition I**	3
POL-1010	American National Government**	3
MATH-1530	College Algebra ^{1**}	4
Total Credit Hours		10

SECOND SEMESTER

ENG-1020	English Composition II**	3
HIST-1510	United States History to 1877**	3
MATH-1610	Calculus I2**	5
Total Credit Hours		11

THIRD SEMESTER

HUM-1020	The Individual in Society**	3
PHYS-1210	College Physics I**	4
HLTH-1230	Standard First Aid and Personal Safety	1
Total Credit Hours		8

FOURTH SEMESTER

MATH-1620	Calculus II ^{2**}	5
PHYS-1220	College Physics II**	4
Total Credit Hours		9

¹ Depending on the math placement level, the student may substitute MATH-1540: Trigonometry (3 credit hours), which is the prerequisite for MATH-1610: Calculus I. MATH-1530: College Algebra is recommended to align with the end-of-course test subject.

² If the MATH-1610 prerequisite through course completion or placement is met, replace with MATH-1620: Calculus II.

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ENGINEERING TECHNOLOGY CAREER PATHWAY

The Engineering Technology Pathway prepares students for a wide variety of positions related to mechanical, electrical and engineering technology occupations.

FIRST SEMESTER

ENG-1010	College Composition I**	3
POL-1010	American National Government**	3
MET-1100	Technology Orientation	2
MET-1230	Drawing & AutoCAD	3
Total Credit Hours		11

SECOND SEMESTER

ENG-1020	English Composition II**	3
HIST-1510	United States History to 1877**	3
MATH-1530	College Algebra ^{1**}	4
MET-1120	Computer Applications and Programming	2
Total Credit Hours		9

THIRD SEMESTER

ENG-2151	Technical Writing	3
HUM-1020	The Individual in Society**	3
MATH-1540	Trigonometry**	3
PHYS-1210	College Physics I**	4
Total Credit Hours		13

FOURTH SEMESTER

PHYS-1220	College Physics II**	4
Total Credit Hours		4

¹ Based on the student's math placement level, MATH-1530: College Algebra is recommended to align with the end-of-course test subject.

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ENGINEERING TECHNOLOGY PATHWAY

ENGINEERING TECHNOLOGY CTE+CCP CAREER PATHWAY

This Engineering Technology Pathway provides students enrolled in an engineering technology CTE pathway with a guide for combining CTE courses with approved CCP courses to enter the workforce after obtaining an associate degree.

Engineering CTE Courses

High School CTE Course Name

CTMET004	Manufacturing Processing	3
CTMET005	Computer Aided Design/Drafting	3
CTMET006	CNC Programming/Machining	3

Engineering CCP Connection to CTE Courses

ENG-1010	College Composition I**	3
MATH-1530	College Algebra ^{1**}	4
MET-1100	Technology Orientation	2
MET-1240	Machine Tools and Manufacturing Processes	3
Total Credit Hours		12

1 Based on the student's math placement level, MATH-1530: College Algebra is recommended to align with the end-of-course test subject.

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CONSTRUCTION TECHNOLOGY CTE+CCP CAREER PATHWAY

The Construction Technology CTE+CCP Career Pathway aligns the CTE program credits with college courses for careers as construction contractors or in engineering or architectural firms, public building agencies, etc., after obtaining an associate degree.

Construction CTE and Tech Prep² Courses

High School CTE Course Name

Tech Prep/CNST-1281	Construction Engineering Orientation	3
CTCON002/CNST-1750	Construction Safety	3
CTCON003/CNST-2131	Construction Methods and Materials	3
CTCON001/CNST-1290	Construction Print Reading	2

² See the [Tech Prep web page](#) for more details on applying Tech Prep Credits.

CCP Connection to CTE Courses

ENG-1010	College Composition I**	3
MATH-1530	College Algebra ^{1**}	4
IT-1090	Computer Applications	2
CNST-1410	Architectural CAD I	3
ENG-2151	Technical Writing	3
Total Credits Hours		15

¹ Based on the student's math placement level, MATH-1530: College Algebra is recommended to align with the end-of-course test subject.

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COMPUTER SCIENCE PATHWAY



COMPUTER SCIENCE TRANSFER PATHWAY

The Computer Information Systems Career Pathway is designed for students who plan to enter the workforce after obtaining an associate degree.

FIRST SEMESTER

ENG-1010	College Composition**	3
POL-1010	American National Government**	3
MATH-1530	College Algebra ^{1**}	4
IT-1025	IT Concepts for Programmers	3
Total Credit Hours		13

SECOND SEMESTER

ENG-1020	English Composition II**	3
HIST-1510	United States History to 1877**	3
MATH-1610	Calculus I ^{2**}	5
IT-1050	Programming Logic	3
Total Credit Hours		14

THIRD SEMESTER

HUM-1020	The Individual in Society**	3
MATH-1620	Calculus II ^{2**}	5
IT-2650	Java Programming	4
CHEM-1300, CHEM-130L or PHYS-2310**		3
Total Credit Hours		15

FOURTH SEMESTER

IT-2660	Data Structures & Algorithms	4
PHYS-1210	College Physics I**	4
OT36	Humanities Elective (must be from two different disciplines)	3
Total Credit Hours		11

¹ Based on the math placement level, the student may substitute MATH-1540: Trigonometry (3 credit hours), which is the prerequisite for MATH-1610: Calculus I. MATH-1530: College Algebra is recommended to align with the end-of-course test subject.

² If the MATH-1610 prerequisite through course completion or placement is met, replace with MATH-1620: Calculus II.

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COMPUTER SCIENCE PATHWAY

INFORMATION TECHNOLOGY — BUSINESS SOLUTIONS CAREER PATHWAY

The Information Technology — Business Solutions Career Pathway integrates technology, business, marketing, critical thinking, communication, teamwork and problem-solving with a co-op to prepare students for entry-level jobs in business solution development or for progression to a four-year degree.

FIRST SEMESTER

ENG-1010	College Composition**	3
POL-1010	American National Government**	3
IT-1025	Information Technology Concepts for Programmers	3
BADM-1020	Introduction to Business	3
Total Credit Hours		12

THIRD SEMESTER

ACCT-1311	Financial Accounting	3
ECON-2000	Principles of Microeconomics**	3
COMM-1010	Fundamentals of Speech Communication**	3
IT-2310	Web Programming	3
Total Credit Hours		12

SECOND SEMESTER

ENG-1020	English Composition II**	3
MATH-1410	Elementary Probability and Statistics I**	3
HIST-1510	United States History to 1877**	3
IT-1050	Programming Logic	3
Total Credit Hours		12

FOURTH SEMESTER

ECON-2010	Principles of Macroeconomics**	3
IT-2070	Introduction to Data Science and Analytics	3
BADM-2010	Business Communications	3
MATH-2010	Introduction to Discrete Mathematics	4
Total Credit Hours		13

INFORMATION TECHNOLOGY — BUSINESS SOLUTIONS CTE+CCP CAREER PATHWAY

The Computer Information Systems CTE+CCP Career Pathway aligns CTE program credits with college courses to prepare students for entry-level jobs in business solution development or for careers related to information technology after obtaining an associate degree.

Computer Information System CTE and Tech Prep² Courses

High School CTE Course Name

GEN-1070	First Year Success Seminar	1
IT-1025	Information Technology Concepts for Programmers	3
BADM-1020	Introduction to Business	3
CTBU010	Introduction to Financial Accounting	3

Computer Information System CCP Connection to CTE Courses

ENG-1010	College Composition I	3
MATH-1190	Algebraic and Quantitative Reasoning	3
Total Credit Hours		6

² See the [Tech Prep web page](#) for more details on applying Tech Prep credits.

WHAT CAN I DO WITH MY TRI-C COLLEGE CREDITS?



► Use your credits to continue your education at Tri-C to complete a credential, certificate, associate degree or the new Bachelor of Applied Science degree in Integrated Digital Manufacturing Engineering Technology.



► Use your credits to transfer to another college or university to complete your degree.

College Credit Plus (CCP) students can start as early as the eighth grade to complete an associate degree by the end of the 12th grade.

Tri-C recommends taking courses each semester for each school year for students starting their pathway in the ninth or 10th grades.

Students starting in the 11th grade or later may need to take courses over the summer or choose to continue at Tri-C for a year to complete their associate degrees after high school.

Meet with a Tri-C counselor to review degree requirements.

224 Students who started in the ninth grade or earlier received Tri-C degrees



Visit tri-c.edu/transfer or the Transfer Center for more information on transfer agreements and pathways with specific colleges and universities.

Cuyahoga
Community
College

