



BERKS COUNTY
TECHNICAL
ACADEMY



BERKS COUNTY
TEACHER
ACADEMY

THE ACADEMIES

2027-2028

**A COLLABORATION
BETWEEN**

BERKS CAREER &
TECHNOLOGY CENTER

READING AREA
COMMUNITY COLLEGE

READING MUHLENBERG
CAREER & TECHNOLOGY
CENTER

start earning
**COLLEGE
CREDITS**
while still in
high school!

HOW THE ACADEMIES WORK

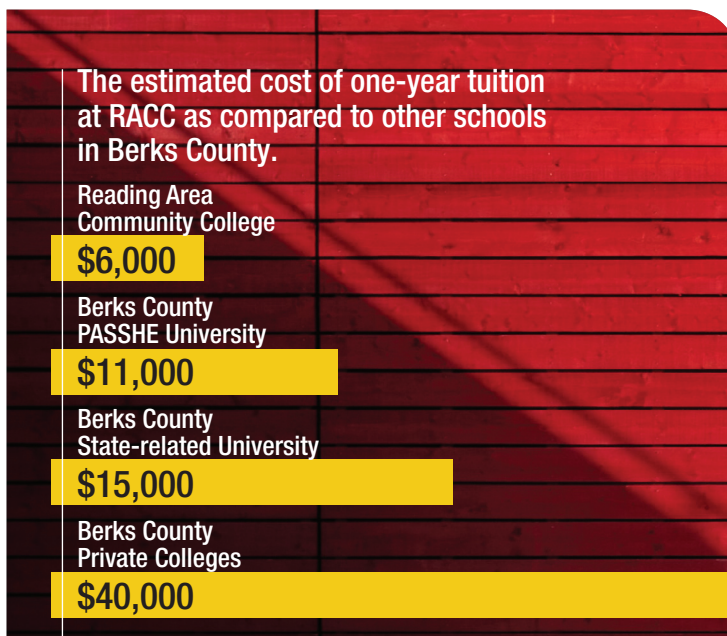
- The Academies provide college-bound students the opportunity to develop advanced technical skills and earn college credit toward a certificate or associate and/or bachelor's degree while still in high school.
- A signed Letter of Understanding to attend RACC to earn a certificate or associate degree must be on file. This document is included in the students' annual RACC application and registration process.
- The Academies are designed with flexibility in mind, allowing students to adjust their educational path as they discover new interests and career goals. While enrolled, students can work with their CTC counselor and RACC advisors to explore different programs or switch pathways in their senior capstone year that better align with their evolving plans. Whether

you want to transition from computer technology to web design or explore business after starting in a different discipline, the Academies provide the support and options to help you shape your future. The pathways shown on pages 4–8 are just **one example**. But your journey doesn't have to follow just one track!

- Talk to your **RACC advisor** to explore other ways your college credits can be applied. Changing your path does not mean starting over — many credits transfer between programs, and advisors will help you. This flexibility ensures students can make informed choices while continuing to build college credits and hands-on experience.

Your path can be as flexible and unique as your goals.

Brochure is revised annually, pathways and coursework are subject to change.



student entrance requirements

- Students must also have an overall 3.0 GPA, or those with a 2.5 GPA and special permission may receive conditional acceptance.
- A RACC representative will visit the CTC to assist students with applying to RACC and registering for courses scheduled during the academic year. This enrollment process takes place annually – either in the fall, spring, or both – depending on the program of enrollment. For details about a program's enrollment timeline, please check with your CTC Instructor or a RACC representative.
- College credits earned at the CTC during student's sophomore and junior years will be tuition-free if the student continues at RACC to complete a certificate or associate degree.
- Tuition for senior year courses (1–3 courses) taken at RACC – either on campus or online while students are still in high school – may be paid for by the CTC, depending upon the agreement between the student and their CTC.

EARN COLLEGE CREDITS

Start your Certificate or Associate's degree at RMCTC or BCTC and complete it at RACC. Secure employment, use your industry certification, or transfer to a bachelor's degree program of your choice that could include one of more than 40 institutions that RACC has partnership agreements for graduates to transfer to a bachelor's degree program, saving you time and money.



FLEXIBILITY OF OPTIONS

Start with a Certificate – Keep Your Options Open

Begin by earning a Certificate, a focused program designed to build your skills and prepare you for more advanced college-level work or entry-level employment.

How does it compare to an associate degree?

- Certificates typically require 18 to 36 credits and can often be completed in one year or less.
- Associate degrees require 60 credits on average and usually take two years to complete. Upon completion of your associate degree, you may transfer to an alternative institution to earn your bachelor's degree, requiring on average an additional 60 credits.

Many students choose to start with a certificate to get a head start on college or explore a career area. You can then decide to:

- Continue on and apply your credits directly toward an associate degree
- Enter the workforce with a solid foundation and real-world skills
- Return later to build on what you've started – your credits still count!

This flexible approach allows you to grow at your own pace and choose the path that fits your goals.

computer technology

BCTC's Computer Systems Networking & Security

College Courses Offered at BCTC

COURSE#	COURSE NAME	CREDITS
IFT-100	Introduction to Information Technology	3
NET-100	Computer Networking	3
NET-106	Installation & Maintenance of PCs I	3
NET-120	Server Administration	3
NET-206	Installation of PCs II	3
IFT-210	Help Desk Computer Support	3

High School Senior Year Capstone at RACC

MGT-215	Human Relations in Business	3
CSS-103	College Success Strategies	3
IFT-110	Microcomputer Apps	3

Program Courses to Complete Associate Degree (after graduation)

BUS 100	Introduction to Business	3
IFT-120	Advanced Microcomputer Applications	3
IFT-210	Help Desk Computer Support	3
NET 250	Network Security	3
PRG-260	Database Systems	3
WEB-100	Web Design I (HTML)	3
PRG-100	Introduction to Programming	3
ENV-130	The Environment	3

Required General Education Courses

COM-121	English Composition I	3
BUS-106	Business Communications	3
MAT 150 MAT 210	Foundations OR Math OR > Introduction to Statistics	3

Select 1 Course from each subject area:
Humanities and Social Sciences 6

Students earn up to 27 credits while in high school.

High Priority Occupations for Berks County

Career	Degree	Starting Salary	Openings/Growth
Computer Network Support Specialist	A.A.S.	\$53,930	7 ▲ 12.5%
Network & Computer Systems Administrator	B.S.	\$64,320	13 ● 0.0%
Information Security Analyst	B.S.+	\$72,680	7 ▲ 42.9%

computer technology

BCTC's IT-Programming

College Courses Offered at BCTC

COURSE#	COURSE NAME	CREDITS
IFT-100	Introduction to Information Systems	3
PRG-100	Introduction to Computer Programming	3
WEB-100	Web Design I	3
PRG-260	Database Systems	3
IFT-110	Microcomputer Applications	3
IFT-120	Advanced Microcomputer Applications	3

High School Senior Year Capstone at RACC

CSS-103	College Success Strategies	3
MGT-215	Human Relationships in Business	3
BUS-100	Introduction to Business	3

Program Courses to Complete Associate Degree (after graduation)

IFT-210	Help Desk Customer Support	3
NET-100	Computer Networking	3
NET-106	Installation & Maintenance of PCs I	3
NET-250	Network Security	3
NET-206	Installation & Maintenance of PCs II	3
NET-120	Server Administration	3
ENV-130	The Environment	3

Required General Education Courses

COM121	English Composition I	3
BUS-106	Business Communications	3
MAT 150 MAT 210	Foundations OR Math OR > Introduction to Statistics	3

Select 1 Course from each subject area:
Humanities and Social Sciences 6

Students earn up to 27 credits while in high school.

High Priority Occupations for Berks County

Career	Degree	Starting Salary	Openings/Growth
Computer Systems Analyst	B.S.	\$73,820	32 ▲ 11.4%
Software Developer	B.S.	\$81,070	44 ▲ 25.5%
Software Quality Assurance Analyst/Tester	B.S.	\$59,070	9 ▲ 33.3%



RMCTC's Coding and Office Applications				
College Courses Offered at RMCTC				
COURSE#	COURSE NAME		CREDITS	
IFT-100	Introduction to Information Technology		3	
IFT-110	Microcomputer Applications		3	
IFT-120	Advanced Microcomputer Applications		3	
PRG-100	Introduction to Computer Programming		3	
WEB-100	Web Design I (HTML)		3	
High School Senior Year Capstone Courses at RACC				
CSS-103	College Success Strategies		3	
BUS-100	Introduction to Business		3	
NET-100	Computer Networking		3	
Program Courses to Complete Associate Degree (after graduation)				
NET-106	Installation & Maintenance of PCs		3	
NET-120	Server Administration		3	
NET-206	Installation & Maintenance of PCs II		3	
NET-250	Network Security		3	
IFT-210	Help Desk Customer Support		3	
PRG-260	Database Systems		3	
MGT-215	Human Relations in Business		3	
ENV-130	The Environment		3	
Required General Education Courses				
COM-121	English Composition I		3	
BUS-106	Business Communications		3	
MAT 150 MAT 210	Foundations OR Math OR > Introduction to Statistics		3	
Select 1 Course from each subject area: Humanities and Social Sciences			6	
Students earn up to 27 credits while in high school.				
High Priority Occupations for Berks County				
Career	Degree	Starting Salary	Openings/Growth	
Computer Network Support Specialist	A.A.S.	\$53,930	7	▲ 12.5%
Computer Systems Analyst	B.S.	\$73,820	32	▲ 11.4%
Help Desk/Computer User Support	A.A.S.	\$42,080	41	▲ 5.3%



RMCTC's IT Web Design				
College Courses Offered at RMCTC				
COURSE#	COURSE NAME		CREDITS	
IFT-100	Introduction to Information Technology		3	
IFT-110	Microcomputer Applications		3	
WEB-100	Web Design I (HTML)		3	
PRG-100	Introduction to Programming		3	
WEB-115	Web Design II – Web Authoring Software		3	
High School Senior Capstone at RACC				
BUS-100	Introduction to Business		3	
CSS-103	College Success Strategies		3	
MGT-215	Human Relations in Business		3	
Program Courses to Complete Associate Degree (after graduation)				
BUS 105	Business English		3	
WEB-230	Web Databases		3	
WEB-225	Multimedia for the Web		3	
WEB-240	Responsive Design		3	
BUS-220	Principles of Marketing		3	
WEB-200	E-Commerce		3	
NET-100	Computer Networking		3	
WEB-215	Web Design Graphics		3	
PRG-160	JavaScript		3	
Required General Education Courses				
COM-121	English Composition I		3	
BUS- 106	Business Communications		3	
MAT 150 MAT 210	Foundations OR Math OR > Introduction to Statistics		3	
Select 1 Course from each subject area: Humanities, Sciences, and Social Sciences			9	
Students earn up to 24 credits while in high school.				
High Priority Occupations for Berks County*				
Career	Degree	Starting Salary	Openings/Growth	
Web/Technical Support Specialist	A.A.S. pathway*	\$42,080	41	▲ 5.3%
Web Developer	A.A.S. possible/ B.S. typical**	\$51,030	4	▲ 20.0%
Graphic Designer	B.S. typical	\$39,300	26	▲ 10.7%
*The wage and openings correspond to Computer User Support Specialists. A graduate supporting websites, content systems or web applications could fall within this broad category.				
**Some employers hire web developers with an associate degree, portfolio and demonstrated skills.				

BCTC's Mechatronics Engineering Technology RMCTC's Engineering and Automation Technology

College Courses Offered at BCTC / RMCTC

COURSE#	NAME	CREDITS
MET-101	Fundamentals of Shop Machinery	3
MET-120	Industrial Mechanics I	5
MET-130	Industrial Electrical Systems	4

High School Senior Capstone Courses at the Schmidt Training and Technology Center

MET-150	Industrial Mechanics II	6
MET-160	Rotating Electrical Machines	3

Program Courses to Complete Associate Degree (after graduation)

MET-140A	Intro to Programmable Logic Controllers I	2
MET-140B	Intro to Programmable Logic Controllers II	2
MET-200	Robotics and Motion Control	4
MET-210	Process Control & Instrumentation	3
MET-220	Advanced PLCs (AB ControlLogix 5500 or Siemens S7)	4
MET-240	Mechatronics Application Project	3
MET-111	Fundamentals of Manufacturing	1

Required General Education Courses

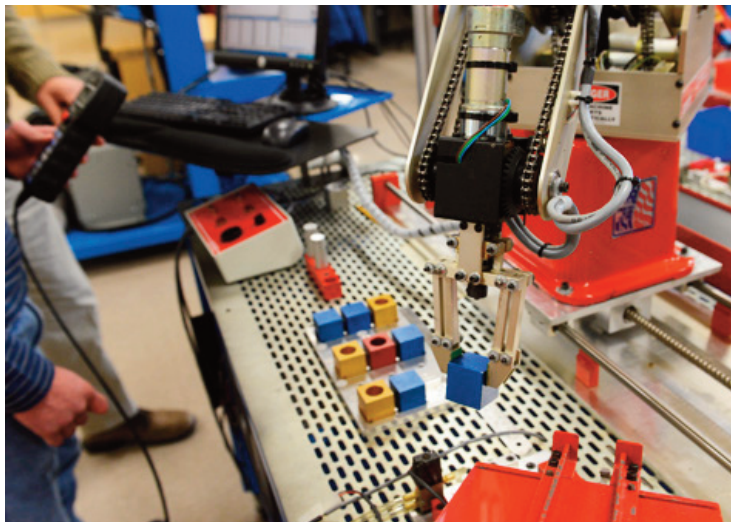
CSS-103	College Success Strategies	3
COM-121	English Composition I	3
COM-141	Technical Writing	3
IFT-110	Microcomputer Apps	3
MAT-160	College Algebra	3
HUM Elective	HUM 100, ART-111 or 201, COM-110, ENG-125, PHI-271 or PHI-275	3
PHY-240	Physics I	4
STEM Elective	BIO-150, CHE-150, or PHY-245	3
SOC-130	Sociology	3

Students earn up to 21 credits while in high school.

High Priority Occupations for Berks County*

Career	Degree	Starting Salary	Openings/Growth
Electrical/Electronic Engineering Technician	A.A.S.	\$59,310	12 ▲ 8.3%
Industrial Engineering Technician	A.A.S.	\$47,670	9 ● 0.0%
Mechanical Engineering Technician	A.A.S.	\$60,790	5 ● 0.0%

mechatronics engineering technology



ASSOCIATE OF SCIENCE IN Engineering

AS Engineering Pathway

College Courses Offered at BCTC / RMCTC

COURSE#	NAME	CREDITS
MET-101	Fundamentals of Shop Machinery	3
MET-120	Industrial Mechanics I	5
MET-130	Industrial Electrical Systems	4

High School Senior Capstone Courses

CSS-103	College Success Strategies	3
EGR-104	Introduction to Engineering Design	3
EGR-110	Programming for Engineers (with MATLAB) (pre-requisite MAT-220)	3

Program Courses to Complete Associate Degree (after graduation)

MAT 222	Calculus III (pre-requisite MAT-220 and MAT 221)	4
MAT 282	Ordinary and Partial Differential Equations (pre-requisite MAT-221)	4
PHY 255	College Physics II (pre-requisite PHY-250 and MAT-221)	4

Required General Education Courses

MAT 220	Calculus I	4
CHE 150	Chemistry I	4
COM 121	English Composition I	3
MAT 221	Calculus II	4
PHY 250	College Physics I	4
COM 141	Technical Writing	3
COM 151	Fundamentals of Speech	3

Select 1 Course from each subject area: Humanities and Social Sciences	6
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Students earn up to 22 credits while in high school.

High Priority Occupations for Berks County*

Career	Degree	Starting Salary	Openings/Growth
Engineering Technician*	A.S./ A.A.S.	\$49,200 –\$60,790	4 to 12 ● to ▲▲
Civil Engineer	B.S.	\$73,020	20 ▲ 16.0%
Mechanical Engineer	B.S.	\$69,600	46 ▲ 12.1%

Reading Area Community College's engineering program prepares students to transfer to a four-year institution and earn a Bachelor of Science in Engineering in a variety of areas.

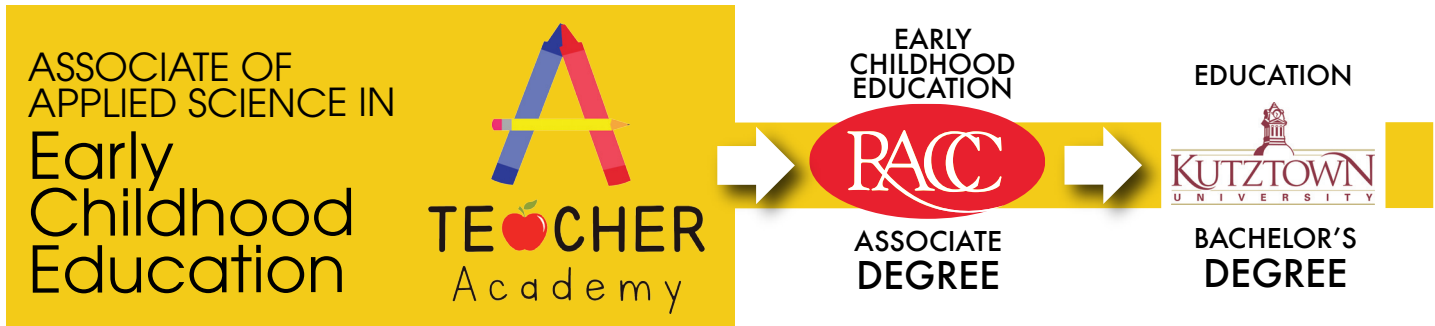
Engineers design and build everything from microchips and batteries to machinery, medical equipment, roads, bridges and tunnels, skyscrapers, airports, oil refineries and water and waste systems. All of these involve solving problems and thinking logically to bring complex systems together.

In our engineering program, students will learn how to collect, analyze and interpret data, and then apply scientific and mathematical principles to formulate solutions to challenging design problems.

Students graduating from high school will be encouraged by CTC and RACC counselors, advisors and faculty to continue their engineering associate degree program at RACC. On completing the associate degree, students will be able to continue their education by transferring to a four-year bachelor's degree-granting university or enter the workforce. Several transfer opportunities are available inside and outside of Berks County, specifically Bucknell University, Drexel University, or Alvernia University. Please make an appointment with Transfer Services to find out more.

Also, graduates of the AS in Engineering are able to transfer to the BS in Engineering in Electrical-Mechanical Engineering or Mechanical Engineering at Pennsylvania State University – Berks Campus. MET 101 is not included in PSU-Berks program; however, it is included in other RACC partnership programs. Students also have opportunities at a number of Berks County high schools to complete Calculus I (MAT 220 through dual enrollment), and Calculus II (MAT 221).





The Teacher Academy is a college credit career pathway where students are able to begin their Associate of Applied Science in Early Childhood Education (ECE) while still in high school. Some classes are taught at the Career and Technology Center (CTC), others are offered as dual enrollment at participating high schools or early college by enrolling in the courses directly at RACC. Students may be able to complete their AAS in Early Childhood Teaching in about a year after graduating from high school before seamlessly transitioning to Kutztown University's BSED (PreK-4 Certification) program.

RACC's Early Childhood Teaching (PreK-Grade 4) program is designed to prepare graduates for immediate employment in the ECE field as well as provide the first 61 credits of the bachelor's degree leading to PreK-Grade 4 Teacher certification. Graduates of this program may seek employment opportunities with Head Start and early childhood programs serving infants, toddlers, pre-schoolers, and school-aged children. In addition, graduates may also seek employment as educational assistants or paraeducators in public and private schools.

AAS Early Childhood Education Pathway

Courses offered while attending CTC			
COURSE #	COURSE NAME		CREDITS
ECE105	EC Professional (at CTC)		3
ECE140	Health, Safety & PE (at CTC)		3
ECE115	Integrated Arts (at CTC)		3
ECE125	Intro to ECE*		3
ECE120	Observation & Assessment*		3
MAT150	Foundations of Math*		3
COM121	English Comp I		3
IFT110	Micro Comp Apps*		3
CSS103	College Success Strategies*		3

*offered as Early College

Courses to complete post high school RACC AAS Early Childhood Teaching (PreK-4)			
SUMMER	SPE100	Intro to Special Education	3
	MAT155	Foundations of Math II • Take DEV classes if needed/Boot Camp • Take PAPA or Praxis for math	3
FALL	ENG125	Intro to Literature*	3
	ECE220	Curric Dev & Inst Materials	3
	ECE222	Emerging Literacy	3
	ECE180	Math Found for Toddlers through Grade 1	3
	PSY130	General Psychology	3
	ECE260	ECE Practicum	3
SPRING	COM151	Found of Speech (online)	3
	ECE261	Family & School Relations	3
	PSY210	Child Psychology	3
	BIO120	Biological Concepts	4
Credits while at RACC			37

Kutztown University Courses			
First Year Fall/Winter/Spring			
COURSE #	COURSE NAME	EEPK 300	Early Literacy Dev
		EEPK 325	Assessment II
		ELED 353	Language Dev, Reading Assess & Intervention
		SPEE 314	Effective Instructional Strategies
		SPEE 316	Literacy Dev Core & Intervention
		EEPK 220	Children's Literature
		ELED 312	Culturally Responsive Teaching for ELL <i>3 credits</i>
		SPEE 201	Cognitive Development of Diverse Learners <i>3 credits</i>
		LLTC 321	Technologies for the 21st Century Educator
First Year Summer Courses			
		Two RACC Electives	
Second Year Fall/Winter/Spring			
EEPK 301	Teaching Literacy in Grades 2-4		
EEPK 303	Lang, Dev & Teaching Lang Arts in Pre-K-4		
EEPK 304	Teaching Social Studies in Pre-K-4		
EEPK 306	Integrating Principles of Learning in Pre-K-4		
EEPK 309	Teaching Math in Grades 2-4		
EEPK 305	Teaching Science in Early Childhood		
EEPK 390	Clinical Experience I		

High Priority Occupations for Berks County*

Career	Degree	Starting Salary	Openings/Growth
Preschool Teacher	A.A.S.	\$30,090	53 • 2.0%
Elementary School Teacher	B.S./ Certification	\$58,270	127 • 0.5%
Special Education Teacher, K-Elementary	B.S./ Certification	\$57,640	12 • 0.0%

SOAR

PROGRAMS OF STUDY AT CAREER AND TECHNOLOGY CENTERS



SOAR (Students Occupationally and Academically Ready) prepares students for college and careers in a diverse, high-performing workforce. A student from any state-approved program from any Career and Technology Center (CTC) in the state can transfer these program credits (9 or more) to any college offering these programs. SOAR provides an opportunity to earn college credit for programs of study completed at one of the Career Technology Centers. Current or former BCTC and RMCTC students who completed 1–3 years of study in one of the programs detailed in this brochure may be able to retroactively receive the college credits, even if they did not enroll in the Academies.

Contact RACC's Director of Career & Technical Education for additional information or to have your CTC Task List and transcript reviewed.

Students who have earned a **minimum 2.5 GPA** in their completed program of study at their CTC are eligible for college credits for up to three years after graduating from high school. Students are awarded credit, not a grade on their college transcripts. Students seeking their credit award need to provide RACC with the following items:

- Copy of High School Diploma
- Official High School Transcript
- POS Perkins Statewide Articulation Agreement Student Documentation Cover Sheet, obtained from CTC program or high school counselor
- NOCTI Skills Certificate or Certificate of Completion, obtained from CTC program or high school counselor
- Secondary Program Competency Task List signed by CTC program instructor

To view how the PA Bureau of Career and Technical Education SOAR Programs of Study taken at the High School level transfer to participating colleges including RACC, visit the **CollegeTransfer.net** website. Select the program of study by title or CIP code from drop-down menu and choose graduation year.



TRANSFER SCHOLARSHIPS FOR BERKS COUNTY COLLEGES



\$10,000 MINIMUM UP TO FULL TUITION

Albright RACC Connection Scholarship

Full Tuition | One RACC graduate
is chosen each year

Merit scholarships based on GPA

\$10,000 – \$20,000



\$15,000 UP TO FULL TUITION

Reading Collegiate Scholars

Full Tuition | Two RACC graduates who
live in the city of Reading are eligible each year

Merit scholarships based on GPA

\$15,000 – \$21,000



\$500 - \$1,000 BASED ON GPA

Dual Admissions

Available to RACC transfer students
who signed a letter of intent to transfer
prior to earning 44 college credits

TRANSFER SCHOLARSHIPS THROUGH DUAL ADMISSIONS FOR OTHER COLLEGES

You can maximize the transferability of your courses and have a smoother transition to your four-year school by applying at one of our partner schools through our dual admission agreements.

Many of the agreements have extra benefits like the opportunity to qualify for great scholarships once you complete your degree at RACC and/or the ability to take classes at the partner school while still enrolled at RACC.

**Albright College | Alvernia University | Chestnut Hill College |
DeSales University | Elizabethtown College | Immaculata University |
Kutztown University | LaSalle University | Lebanon Valley College |
Manor College | Millersville University | Point Park University |
Shippensburg University | Susquehanna University |
Temple University | West Chester University |**

Details on the agreements can be obtained from Transfer Services in Berks Hall, Room 209 or by contacting transfer@racc.edu.

Please note, in order to qualify, you must sign a Dual Admission form by the time you complete a certain number of college credits. Each school has different requirements so reach out to Transfer Services in your Junior Year of High School as a Academy student.

OTHER TRANSFER OPPORTUNITIES

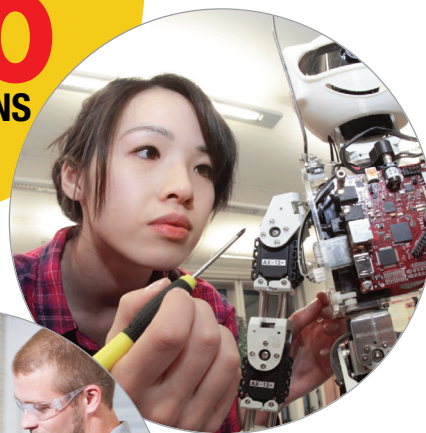
After completing an associate degree, students can transfer to any college or university to attain a bachelor's degree. Students have transferred RACC credits to more than 1,200 institutions. RACC's Transfer Services office has many resources to help students successfully navigate the transfer process.

Students have transferred RACC credits to more than

1,200
INSTITUTIONS

TOP TRANSFER SCHOOLS

Pennsylvania State University •
Kutztown University • Alvernia University •
Albright College • Arizona State University •
West Chester University • Saint Joseph's
University in Lancaster • Millersville University
• Temple University • Commonwealth
University • Shippensburg University •
University of Pittsburgh • Drexel University •
Chamberlain University • DeSales University •
Lebanon Valley College • Southern New
Hampshire • Bucknell University •
Elizabethtown College • Immaculata University
• LaSalle University • Muhlenberg College •



THE
ACADEMIES



RACC

ASSOCIATE
DEGREE



BACHELOR'S
DEGREE

THE ACADEMIES

2027-2028

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COMMUNITY COLLEGE**

**READING MUHLENBERG
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The Berks Career and Technology Center, Reading Area Community College, and Reading Muhlenberg Career and Technology Center does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities.

El Centro de Carreras y Tecnología de Berks, el Reading Area Community College y el Centro de Carreras y Tecnología de Reading Muhlenberg no discriminan por motivos de raza, color, origen nacional, sexo, discapacidad o edad en sus programas o actividades.