P-TECH
Pathways in Technology Early College High School

Information Night
Introductions

Amy Woolf
Sherri Fisher

James Deriu

Brian Hammond
Jamie Alvarez

Marianne Bishoff

Mike Carper
Chris Hoyson
P-TECH

- Program available at Dundalk High School
- First cohort of students started in the Fall of 2018
- 60 seats available
- Admission open to any student zoned for Dundalk High School and entering the 9th grade in the 2022-2023 school year.
What is P-TECH?

- A specialized program that combines high school, community college, mentoring and an internship all in one.
- Students have up to 6 years to complete the program – 4 years for high school and up to an additional 2 years for CCBC
- Ability to earn a high school diploma and an Associates of Applied Science Degree in Engineering Technology through CCBC Dundalk
- A guaranteed six-week PAID internship with one of our industry partners
- First in line job opportunities
Let’s meet our business partners...
Broad Industries and the Future

Along with Caterpillar we expect to power the future with new strategies, improved performance, and new partnerships and offerings to meet our customer’s needs.
Career Opportunities

- Project Manager
- Applications Engineer - Power Systems
- Combined Heat & Power Project Engineer
- Field Service Technician
- Marine & Industrial Technician
- Shop Technician
THE MOST INCREDIBLE THING WE’VE ENGINEERED IS OUR TEAM

KCI Technologies Inc.

ISO 9001:2008 Certified | Employee-owned Since 1988
Construction Management

Clockwise from top left:
Triangle Parkway
Raleigh, NC

I-81 Welcome Center
Winchester, VA

I-695/I-95 Interchange
Baltimore County, MD

Lancaster County Administration Building
Lancaster, PA

Johns Hopkins Clinical Tower
Baltimore, MD

Robinson Nature Center
Howard County, MD
Site & Facilities

Clockwise from top left:
16th Cavalry GIB Bldg
Ft. Benning, GA
Housing Assessment
Houston, TX
Farrell Property
Highland Township, PA
Johns Hopkins Bayview
Baltimore, MD
Western Regional Park
Howard County, MD
VA Boiler Replacement
Batavia, NY
Conastone Lidar Survey
Harford County, MD
I-70 Welcome Center
Frederick, MD
Clockwise from top left:
Water Tower Antennas
Purcellville, VA

FiberLight Expansion
West TX

Manhole Inspections
Various, OH

Sprint Back Up
Generators
Various, FL

Conduit Occupancy
Baltimore, MD

BGE Transmission
Line Survey
Various, MD

MSHA SUE OE
Montgomery County, MD
Since 1955, KCI has been involved in major infrastructure and development projects across the region:

- Baltimore Beltway / I-95 & I-695 Interchange
- Intercounty Connector (ICC)
- Back River Wastewater Treatment Plant
- Camden Yards
- Bethlehem Steel / Tradepoint Atlantic
- Ravens Stadium Grass Conversion
- Woodrow Wilson Bridge
- Johns Hopkins Bayview Campus Improvements
- BGE Substation and Transmission Projects
- Baltimore County Stream Restoration Projects
- Marshy Point Nature Center Site Work
- Sollers Point Technical High School
Global Brand Power
Engineering Opportunities At SBD

- Paid Internships
- CATIA/Designer/Drafter – 3D Academy
- Engineering Stanley Leadership Program
- Mechanical or Electrical Technician
- Mechanical or Electrical Engineer
- Electro-Mechanical Engineer
- Software/Firmware Engineer
https://www.whiting-turner.com/careers/recent-graduates/
WHITING-TURNER CAREER PATH OPTIONS

TRADES

COLLEGE

CROSS-TRAINING

FIELD ENGINEER

SENIOR FIELD ENGINEER

ASSISTANT SUPERINTENDENT

SUPERINTENDENT

PROJECT ENGINEER

ASSISTANT PROJECT MANAGER

PROJECT MANAGER

L1 L2 L3 L4 L5

SENIOR ROLE
2,500+ PROJECTS COMPLETED

BWI D/E CONNECTOR
CENTER STAGE THEATER
THE PENDRY HOTEL
NATIONAL AQUARIUM BLACK TIP REEF EXHIBIT
HARRAH'S HORSESHOE CASINO
UNDER ARMOUR CASCADE & JOY
M&T BANK STADIUM
SAGAMORE BREWHOUSE RYE DISTILLERY
**Program Benefits**

- Part of a 60 student cohort
- Preparing students to be globally competitive by becoming college and career ready
- Credits earned at CCBC may be transferred to a 4-year college or university
- Each student gets an industry mentor and guaranteed six-week paid internship
Program Benefits

- Students will earn credits through course work completed at both the high school and CCBC Dundalk campus

- College credits are **FREE!**
  - There is no cost to participate in P-TECH
  - Tuition, books and fees are all included
We offer two pathways

CIVIL ENGINEERING

- Civil engineering involves the design, construction, and analysis of roads, buildings, airports, tunnels, dams, bridges, water supply systems, and waste water treatment facilities.

ELECTROMECHANICAL ENGINEERING

- Electro-Mechanical engineering involves the design, maintenance, and analysis of equipment, engines, tools, and various machines from robotics used in manufacturing to climate control equipment.
You Will be a College Student

College Classroom – Prepare for Success

- You need to study at least 2 to 3 hours outside of class for each hour in class.
- You are assigned substantial amounts of reading and writing which may not be directly addressed in class.
- Grades on tests and major papers usually provide most of the course grade.
- Professors expect you to read, save, and consult the course syllabus (outline).
- Professors may not remind you of incomplete work.
Savings and Earning Potential

Students will earn an Associates of Applied Sciences Degree for FREE:
- Students will not pay tuition, fees or books
- Savings of approximately $14,000

Designed to prepare you for a career

Students who have an Associates Degree earn $400,000 more in a lifetime than those with just a high school diploma
<table>
<thead>
<tr>
<th>A Days</th>
<th>B Days</th>
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<tbody>
<tr>
<td>English 9</td>
<td>Algebra, Geometry or Algebra II</td>
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<tr>
<td>Project Lead the Way – Introduction to</td>
<td>Effective Learning Habits for College and</td>
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<tr>
<td>Engineering Design*</td>
<td>Career Readiness*</td>
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<tr>
<td>Fine Art Class</td>
<td>Earth Systems</td>
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<tr>
<td>U.S. Government</td>
<td>Physical Education, Spanish or French</td>
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- *These two courses are taught as a cohort – this means that there are only P-TECH students in these classes*

- Students will have the option to take courses based on their ability – Standard Level, Honors, GT or AP
Most college classes will require students to be “college ready” in English and Math. This may require placement testing as well as developmental courses.

Some students may only take one or two classes at CCBC to start. And some may wait. The program is individualized for each student.
Grades 11 and 12 –

- Most of the day will be spent at CCBC
- Will still have a few DHS classes needed for graduation
- Can still come to DHS for breakfast and lunch
Extended Day...Extended Year

- Summer Institute – June after school gets out for the summer

- Summer between grades 9 and 10
  - ACLT 052 at CCBC (for English readiness)
  - BCPS Summer School – for students who may have failed a class during the year

- Extended Day
  - Opportunity for tutoring and/or review classes
  - Junior and senior year – option for extended day at CCBC
Summer Institute
Visits to our business partners
Mentor Meetings
Activities and Design Challenges
Attendance and behavior expectations

- Come to school on time, every day
- Get to class on time
- Follow school rules
- Do your work
- Ask for help when you need it

...it’s just that simple.
Application process

Online application (on the DHS website)
https://dundalkhs.bcps.org/programs/p-t_e_c_h

School counselors also have the links available on their Schoology pages.
Application process

- Applications will be accepted till December 31
- All applications will be put into a random lottery
- Students will be notified of acceptance by the beginning of March
- A waiting list will be maintained, and students will be contacted as soon as a spot is available.
Contact Information

▪ Amy Woolf – P-TECH Program Coordinator
  awoolf2@bcps.org
  Office at DHS: 443-809-7306
  Google voice: 443-399-6140 (text)

▪ DHS Website (application available here)
  http://dundalkhs.bcps.org/programs/p-_t_e_c_h
Thank you!!!

ANY questions?