

SCOPE AND SEQUENCE

PTECH STUDENT

Application Process - 8th Grade

Recruitment: MS

Home District presentations
PTECH Visitations & Mini Challenge
Parent Nights

8TH

OCT - DEC
8th Grade

JAN - MAR
8th Grade

Applications OPEN

Required:

- Online App with short answers
- 2 - Teacher Recommendations
- Counselor Form
- Parent Form

8TH

In-person Interview

Representatives from
Industry and Education
come to home districts to
interview applicants

8TH

APRIL
8th Grade

MAY
8th Grade

Acceptance

Students are offered a spot in the
next cohort of PTECH students.
They must accept or decline their
offers by the end of May

8TH

PTECH Cohort Kickoff

Students and families come to
Citi BOCES to meet their cohort
and teachers. Get all questions
answered

8TH

JUNE
8th Grade

SUMMER
Year 1

9

JumpStart & Bridge

Incoming 9th graders attend 3 - 4
weeks of programing. Aimed at getting
all students on level academic footing
for the start of the school year. As well
as team building within the cohort.

Year 1 - 9th Grade

HS Courses: 6.5 cr

- Math 1: Algebra 1
- Science 1: Living
- SS 1: Global 9
- English 1 (Fall) & English 2 (Spr)
- Elective: Intro to Engineering **
- Phys Ed

College Courses: 4 cr

- MAT 103 (Fall)
- ELM 106 (Spr)

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SEP - JUNE
Year 1 - 9th Grade

- Workforce Development
- Industry Visitation
 - Mentoring
 - Industry Challenges

SUMMER
Year 2

10

OCC Summer Course

All rising 10th graders take CIS
100: Info & Computer Literacy
for 3 credits

Year 2 - 10th Grade

HS Courses: 6.5 cr

- Math 1: Algebra 2
- Science 2: Engr Sci **
- SS2: Global 10
- English 3: Technical Writing *
- DDP **
- Elective **
- Phys Ed

College Courses: 14cr

- ELM 107 (Fall)
- MAT 108 (Spr)
- ELM 100 (Full Year)
- ELM 101 (Fall)
- MET 161 (Spr)
- ELM 104 (Fall)
- ELM 105 (Spr)

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SEP - JUNE
Year 2 - 10th Grade

- Workforce Development
- Industry Visitation
 - Mentoring
 - Industry Challenges

OCT
Year 2

COLLEGE
PATHWAY
CHOICE

MET

ELT

ELM

Year 3 - 11th Grade

HS Courses: 6.5 cr

- Math 3: **
- Science 3: Physics
- English 4: **
- LOTE or Elective: Coding **
- Dual Credit Electives
- Phys Ed

College Courses: 14cr

- MAT 119/120 (7cr) OR
- MAT 143/161 (8cr)
- ENG 103/104 (6cr)
- ELM 109 (2cr)
- ELM 102: OSHA 10 (1cr)

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SEP - JUNE
Year 3 - 11th Grade

- Workforce Development
- Industry Visitation
 - Mentoring
 - Industry Challenges
 - OSHA 10
 - NCRC
 - Job Shadowing

SUMMER
Year 3

11

Job Shadowing

Students become eligible for
Job Shadowing experiences at
partner businesses.

Year 4 - 12th Grade

HS Courses: 3 cr

- SS3: US History
- SS4: Participation in Gov/Economics
- Health *
- Dual Credit Electives as needed **
- Phys Ed

College Courses: 13-19cr

- Pathway Specific course load.

12

SEP - JUNE
Year 4 - 12th Grade

- Workforce Development
- Industry Visitation
 - Mentoring
 - Industry Challenges
 - Workshops
 - Paid Internship

SUMMER
Year 4

12

Paid Internship

Students become eligible for
internship experiences at
partner businesses.

Year 5 & 6 - 13th & 14th Grade

- Remaining College Coursework as needed.
- Paid Internship Continuation
- Final Job Placement

13/14

SEP - JUNE
Year 5/6 - 13/14th Grade

- Workforce Development
- Mentoring
 - Workshops
 - Paid Internship Con't
 - Final Job Placement