**P-TECH at E-Cubed: Four-Year Scope and Sequence—Cyber Security**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | **Y1** | | **S** | **Y2** | | **S** | **Y3** | | **S** | **Y4** | | **S** |
| **Fall** | **Spring** |  | **Fall** | **Spring** |  | **Fall** | **Spring** |  | **Fall** | **Spring** |  |
| **English** | Intro to Lit  72 min | | **LRCT / PATH Does not count towards degree or transfer** | World Lit  72 min | **COMM 1010 Comm Fundamental (Humanities Elective** |  | American Lit  72 min | |  |  | **ENGL**  **1010 Comp** |  |
| **Math** | Algebra 1  72 min | |  | Geometry  72 min | **Math 1139 Math for Liberal Arts** | **MATH 1200 College Algebra** | **Math 1240 Statistical Analysis (Pre-req: MATH 1200 or Accuplacer** 5) |  |  |  |  |  |
| **Science** | Biology  72 min | |  | Chemistry  72 min | |  | Physics  72 min | |  |  | |  |
| **Social Studies** |  | World History 72 min |  |  | Modern World History  72 min |  | **(Social Sciences (6 credits)** | **Social Sciences (6 credits)** |  | **PHIL 2030 Ethics (Humanities Elective)** |  |  |
| **IT** |  | | **COMI 1100 Intro to Computer**  **Does not count towards degree or transfer** | **COMI 1800 Computer Networking Software LINUX** | **COMI 1150 Programming Concepts** | **COMI 2036 Intro to Computer Ethics** | **CNVT 1810 Networking Technology** | **CNVT 1820 Intermediate Networking**  **COMP 1200 Database Design & Management** | **COMI 2037 Intro to Cyber Security** | **CNVT 1830 LAN Design & Management**  **COMI 2038 Ethical Hacking** | **CYBR 1100 Defending Extremal Threats CNVT 2200 Network Security Hardware COMI 2035 Intro Computer Forensics** | **COMP 2500 Internship** |
| **World Language** |  | |  | Language  72 min | |  | Language  72 min | |  | Language  72 min | |  |
| **PE** | PE  72 min |  |  | PE  72 min |  |  | PE  72 min |  |  | PE  72 min |  |  |
| **Arts** | Art  72 min | |  | Art  72 min | |  |  | |  |  | |  |
| **Work-place Learning** | Workplace Learn 72 min |  |  | Workplace Learning II  72 Min | |  | Workplace Learning III/Internship  72 min | |  | Workplace Learning III/Internship  72 min | |  |
| **HS Credits** | 1.5 English  1.5 Math  1.0 Science  1.0 Social Studies  1 WPL  .5 PE  .5 Art  **Total: 7** | |  | 1. English  1. Math  1.0 Science  1.0 Social Studies  .5 PE  .5 Art  .5 WPL  1 Language  **Total: 6.5** | |  | 1.0 English  1.0 Math  1.0 Social Studies  1.0 Science  1.0 Language  .5 PE  .5 Tech  **Total: 6** | |  | 1.0 English  1.0 Math  .5 PE  .5 Tech  1.0 Language  1 WPL  **Total 5** | |  |
| **College Credits** |  | | **3** | **15** | | **3** | **19** | |  | **23** | |  |

**\*All PCTA/PTECH students are offered the opportunity to take more credits given that their technical area credits are separate from the graduation requirement**