**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 Lit72 min | **LRCT / PATH Does not count towards degree or transfer**  | World Lit72 min | **COMM 1010 Comm Fundamental (Humanities Elective** |  | American Lit72 min |  |  | **ENGL** **1010 Comp** |  |
| **Math** | Algebra 172 min |  | Geometry72 min | **Math 1139 Math for Liberal Arts** | **MATH 1200 College Algebra**  | **Math 1240 Statistical Analysis (Pre-req: MATH 1200 or Accuplacer** 5) |  |  |  |  |  |
| **Science** | Biology72 min |  | Chemistry72 min |  | Physics72 min |  |  |  |
| **Social Studies** |  | World History 72 min |  |  | Modern World History72 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** |  |  | Language72 min |  | Language72 min |  | Language72 min |  |
| **PE** | PE72 min |  |  | PE72 min |  |  | PE 72 min |  |  | PE72 min |  |  |
| **Arts** | Art72 min |  | Art72 min |  |  |  |  |  |
| **Work-place Learning** | Workplace Learn 72 min |  |  | Workplace Learning II72 Min |  | Workplace Learning III/Internship72 min |  | Workplace Learning III/Internship72 min |  |
| **HS Credits** | 1.5 English1.5 Math1.0 Science1.0 Social Studies1 WPL .5 PE.5 Art**Total: 7** |  | 1. English1. Math1.0 Science1.0 Social Studies.5 PE .5 Art.5 WPL1 Language**Total: 6.5** |  | 1.0 English1.0 Math1.0 Social Studies1.0 Science1.0 Language.5 PE.5 Tech**Total: 6** |  | 1.0 English1.0 Math.5 PE.5 Tech1.0 Language1 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**