### De Anza College Guided Pathways

**Meta-major:** Physical Sciences and Technology  
**Pathway for:** Computer Science: Enterprise Security Professional: Certificate of Achievement Advanced

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| **First year** | **Required courses:**  
CIS 108  
CIS 66* or CIS 75A* (summer)  
EWRT 1A or ESL 5 as required | **Required courses:**  
CIS 18A  
CIS 56  
MATH as required | **Required courses:**  
CIS 102  
CIS 170F (spring) |
| **Additional courses:** |                                                                 |                                                                               |                                                                               |

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| **Second year** | **Required courses:**  
CIS 104 or CIS 105 (spring) | **Required courses:** | **Required courses:** |
| **Additional courses:** |                                                                 |                                                                               |                                                                               |

**Additional notes:**

- Any required courses may be substituted by the exact corresponding Honors course when available.
- *Based on previous experience or knowledge, students may substitute another CIS course of equal or greater unit
- It is recommended to complete EWRT and MATH as soon as possible.
- CIS 75A, 105 and 170F are offered rarely, so it is recommended to take these courses any time you see them available no matter which quarter they are offered.