De Anza College Guided Pathways

THIS IS A SAMPLE PATHWAY. PLEASE CONSULT A COUNSELOR OR ACADEMIC ADVISER FOR YOUR INDIVIDUALIZED EDUCATION PLAN SINCE IT COULD CHANGE DEPENDING ON YOUR MAJOR AND YOUR CHOICE OF TRANSFER SCHOOL(S).

**Meta-major:** Physical Sciences and Technology  
**Pathway for:** Computer Science: Network Programming: Certificate of Achievement Advanced

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<tr>
<th>FALL QUARTER</th>
<th>WINTER QUARTER</th>
<th>SPRING QUARTER</th>
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<td><strong>First year</strong></td>
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**Required courses:**  
CIS 22A  
CIS 66  
EWRT 1A or ESL 5 as required

**Required courses:**  
CIS 22B  
MATH as required

**Required courses:**  
CIS 22C  
CIS 75A (summer)

**Additional courses:**

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<td><strong>Second year</strong></td>
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**Required courses:**  
CIS 18A

**Required courses:**  
CIS 26B  
Complete two courses: CIS 18B or CIS 21JA or CIS 31 or CIS 33A (fall) or CIS 67A or CIS 67B (spring) or CIS 75B

**Required courses:**

**Additional notes:**  
Any required courses may be substituted by the exact corresponding Honors course when available.  
It is recommended to complete EWRT and MATH as soon as possible.  
CIS 31, 33A, 67A, 67B, 75A, and 75B are offered rarely, so it is recommended to take these courses any time you see them available no matter which quarter they are offered.