# Privacy and Security Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPE 464</td>
<td>Introduction to Computer Networks</td>
<td>4</td>
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Select from the following:  
1. CPE/CSC 422 Network Security  
2. CPE 426 Introduction to Hardware Security  
3. CSC 323 Cryptography Engineering  
4. CSC 325 Introduction to Privacy: Policy and Technology  
5. CSC 424 Software Security  
6. CSC 425 Wireless Security  
7. CSC 429 Current Topics in Computer Security  
8. CSC 521 Computer Security  
9. CSC 524 System Security  

Select from the following:  
1,2. CPE/CSC 422 Network Security  
1,2. CPE 426 Introduction to Hardware Security  
1,2. CPE/CSC 431 Compiler Construction  
1,2. CPE/CSC 454 Implementation of Operating Systems  
1,2. CPE 465 Advanced Computer Networks  
1,2. CSC 323 Cryptography Engineering  
1,2. CSC 325 Introduction to Privacy: Policy and Technology  
1,2. CSC 400 Special Problems  
1,2. CSC 424 Software Security  
1,2. CSC 425 Wireless Security  
1,2. CSC 429 Current Topics in Computer Security  
1,2. CSC 521 Computer Security  
1,2. CSC 524 System Security  
1. MATH 341 Theory of Numbers  
2. MATH 437 Game Theory  
3. MATH 451 Numerical Analysis I  
4. MATH 453 Numerical Optimization  
5. MATH 481 Abstract Algebra I  

**Mathematics/Statistics Elective**

Select from the following:  
4. MATH 241 Calculus IV  
4. MATH 248 Methods of Proof in Mathematics  
4. MATH 306 Linear Algebra II  

**Total units:** 28

Students in this concentration must take CSC 321 as part of their major.

1. Courses taken in this list cannot be double-counted in the concentration.
2. An additional 4 units of CPE/CSC Technical Electives is needed if CPE/CSC 123 is not taken in the major.
3. Up to 4 units may be taken from CSC 400.