**Computer Applications Endorsement (5th-12th Grade)**

The Computer Applications Endorsement is a five course (18 credit hours) curriculum that meets the Illinois State Board of Education (ISBE) requirements for obtaining a subsequent teaching endorsement in computer applications. All educators with a current and active Professional Education License are encouraged to apply as a non-degree seeking student:

**Apply Here!**

Select non-degree and certificate programs application type.

Select Computer Applications Endorsement.

**Coursework enables students to:**

- Explore the fundamental concepts of cybersecurity, be informed of cybersecurity vulnerabilities and threats, and practice techniques and gain tools for detecting and defending against cyber-attacks

- Learn the basics of learning, designing, selecting, and implementing technology that will enhance the educational process.

- Learn structured programming techniques, the fundamentals concepts of computer networking with practical applications, and how to model threats to computer systems.

- Gain knowledge in the areas of data communications, networking technologies, OSI model, LAN, WAN, TCP/IP layers and protocols, Internet architecture

- Meets ISBE’s requirement for earning a subsequent teaching endorsement in computer applications.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEP 305</td>
<td>Technology for Teachers</td>
<td>3Hrs.</td>
</tr>
<tr>
<td>CSC 225</td>
<td>Computer Programming</td>
<td>3Hrs.</td>
</tr>
<tr>
<td>CSC 366</td>
<td>Introduction to Networking</td>
<td>4Hrs.</td>
</tr>
<tr>
<td>CSC 367</td>
<td>Introduction to Cybersecurity</td>
<td>4Hrs.</td>
</tr>
<tr>
<td>EDL 518</td>
<td>Educational Technology Systems</td>
<td>4Hrs.</td>
</tr>
</tbody>
</table>

**Student Assistance and Advising**

For advising assistance, contact the Online Program Coordinator:

Ms. Ryan Williams, M.Ed.

rwillia7@uis.edu

217-206-7516