

**Certificate**  
**Advanced Cyber Security Certificate (CT.ITACS 71334)**

**Total Credit Hours: 36**  
**Effective: Fall 2020**

**Graduation Plan**

<b>First Semester</b>			
	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Recommended Term(s)</b>
*CPT 236 Introduction to JAVA Programming	3	CPT 168 and IST 188 Minimum grades of C	1 <sup>st</sup> 8-weeks
*IST 272 Relational Database	3	CPT 242 Minimum grade of C	1 <sup>st</sup> 8-weeks
*IST 191 Linux System Administration	3	IST 188 Minimum grade of C	2 <sup>nd</sup> 8-weeks
*IST 291 Fundamentals of Network Security I	3	IST 101, IST 103, IST 251	2 <sup>nd</sup> 8-weeks
<b>TOTAL</b>	12		
<b>Second Semester</b>			
	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Recommended Term(s)</b>
*CPT 238 Internet Scripting	3	CPT 236, IST 226 Minimum grade of C	1 <sup>st</sup> 8-weeks
*IST 259 Electronic Messaging	3	IST 252 Minimum grade of C	1 <sup>st</sup> 8-weeks
*IST 292 Fundamentals of Network Security II	3	IST 202, IST 291	2 <sup>nd</sup> 8-weeks
*IST 293 IT Data Assurance I	3	IST 202, IST 291	2 <sup>nd</sup> 8-weeks
<b>TOTAL</b>	12		
<b>Third Semester</b>			
	<b>Credit Hours</b>	<b>Prerequisites</b>	<b>Recommended Term(s)</b>
*CPT 260 Fundamentals of Operating Systems and Web Servers	3	IST 252 Minimum Grade of C	1 <sup>st</sup> 8-weeks
*IST 193 Linux Security Administration	3	IST 191 Minimum Grade of C	1 <sup>st</sup> 8-weeks
*IST 294 IT and Data Assurance II	3	IST 292, IST 293	2 <sup>nd</sup> 8-weeks
*CPT 281 SCWE in Computer Technology	3		16-weeks (depending on co-operative work experience)
<b>TOTAL</b>	12		

\* Courses in this program that require a minimum grade of "C."