

## AAS IN CYBER AND INFORMATION SECURITY TO BS IN INFORMATION TECHNOLOGY, CYBERSECURITY AND FORENSICS CONCENTRATION

The BSIT is offered both fully online and on-ground at Kent State University Regional Campuses

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<b>Semester One: [14-15 Credit Hours] Lorain County Community College</b>			
CMNW 101 A+ Certification Preparation I	4		IT 11005
CISS 125 Operating System Interfaces <sup>1, 2</sup> Or CMNW 201 A+ Certification Prep II (CMNW 201/IT11009 is required for BSIT. Students who do not complete this course will need to complete upon transfer)	3-4		IT 1X000 Or IT 11009
ENGL 161 College Composition I	3		ENG 11011 (KCP1)
MTHM 158 Quantitative Reasoning <sup>3</sup> or PHLY 171 Introduction to Logic	3		MATH 10051 (KMCR) Or PHIL 21002 (KMCR)
SDEV 101 College 101 <sup>4</sup>	1		TRAN 1X000
<b>Semester Two: [17 Credit Hours] Lorain County Community College</b>			
CISS 145 Local Area Networks <sup>1</sup> or CMNW 145 Network Installation/Diagnostics	4		IT 21002 Or IT 21002
CMNW 120 Cyber-Foren Cyber Crime the Law	4		IT 1X000 (IT Elective)
ENGL 164 College Composition II with Technical Topics <sup>1</sup>	3		ENG 21011 (KCP2)
PHLY 161 Introduction to Ethics	3		PHIL 21001 (KHUM)* (DIVG)
PSYH 151 Introduction to Psychology	3		PSYC 11762 (KSS) (DIVD)
<b>Semester Three: [18 Credit Hours] Lorain County Community College</b>			
BIOG 164 Explorations in Field Science	3		BSCI 1X000 (KBS)
CISS 165 Cisco CCNA V7 Introduction to Networking	3		IT 21110
CMNW 223 Network Forensics and Investigative Techniques	4	■	IT 36321
CYBR 220 Python Scripting and Program Concepts	3		IT 2X000
CYBR 231 Ethical Hacking and Countermeasures	4		IT 21200
CYBR 287 Work-Based Learning I - Cybr	1		CYBR 287 + CYBR 288 = IT 21092 + IT 2X000
<b>Semester Four: [15 Credit Hours] Lorain County Community College</b>			
CYBR 110 Fundamentals of Internet of Things (IOT)	4		IT 1X000
CYBR 244 Cybersecurity Standards, Regulations and Compliance	3		IT 24000
CYBR 251 Cyber Defense Methods <sup>1</sup>	3		IT 2X000
CYBR 252 IT Security Concepts	4		IT 22000
CYBR 288 Work Based Learning II - Cybr	1		CYBR 287 + CYBR 288 = IT 21092 + IT 2X000
<b>64-65 Total Credit Hours to Graduate with the AAS Degree from Lorain County Community College</b>			

<sup>1</sup> Indicates that this course requires a college level prerequisite.

<sup>2</sup> Students pursuing the Cyber and Information Security degree program have divisional approval to take CISS 125 without having completed CISS 121.

<sup>3</sup> MTHM 158 or PHLY 171 is preferred. An Ohio Transfer Module mathematics course will also satisfy the requirement but any college level math course will be accepted.

<sup>4</sup> A student must register for the orientation course when enrolling for more than six credit hours per semester or any course that would result in an accumulation of thirteen or more credit hours.

<sup>5</sup> The cyber core courses in this program may be earned through a competency-based education option. See your advisor for more information.

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<b>Semester Five: [15 Credit Hours] Kent State University</b>			
IT 11002 Visual Basic Programming Or IT 13000 Applied Security Essentials	3		@CMNW221
IT 11004 Survey of Information Technology	3		
IT 11006 Introduction to Web Site Technology	3		@CISS216
IT 12000 Intermediate Office Productivity Apps	3		@CISS122
Kent Core Arts & Humanities (KHUM/KFA)*	3		@
<b>Semester Six: [15 Credit Hours] Kent State University</b>			
IT 21010 Workgroup Productivity Software	3		@CMNW241 = IT 21009 + IT 21010
IT 21007 Cyber Ethics in Information Technology	3		
IT 36340 Help Desk Support	3	■	
IT 36320 Computer Forensics	3	■	
Kent Core Arts & Humanities (KHUM/KFA)*	3		@
<b>Summer Semester [14-15 Credit Hours] Kent State University</b>			
Kent Core Social Sciences – Not PSYH/PSYC (KSS)	3		@
Kent Core Basic Sciences w/ Lab (KBS, KLAB)	3-4		@
Kent Core Additional (KADL)	3		@
Kent Core Additional (KADL)	3		@
Upper-Division Elective	2	■	(If needed to reach 39 UD credit hours)
<b>Semester Seven: [15 Credit Hours] Kent State University</b>			
IT 21009 Seminar in Information Technology	3		@CMNW241 = IT 21009 + IT 21010
IT 36308 Ergonomics in Computer Systems	3	■	
IT 36318 Survey of Information Security, Internet Fraud and Computer Forensics (WIC)	3	■	
IT 36330 Local Area Network Security Fundamentals	3	■	
TAS 37900 Technical and Applied Studies Cornerstone	3	■	@CMNW247
<b>Semester Eight: [15 Credit Hours] Kent State University</b>			
IT 42000 Social Media Security	3	■	
IT 36314 Seminar in Emerging Computer and Information Technologies	3	■	
IT 46331 Local Area Network Security and Firewalls	3	■	
TAS 47999 Technical and Applied Studies Capstone (ELR)	3	■	
Concentration Elective	3	■	
<b>138-140 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University</b>			

@ Course may be taken at Lorain County Community College and transferred to Kent State. However, please be aware of Kent State's residence policy, which can be found in the [Kent State University Catalog](#).

\* Minimum one course must be selected from the Humanities in Arts and Sciences area, and minimum one course must be selected from Fine Arts.

Requirements to graduate with the BS degree program: To graduate, students must have minimum 120 credit hours, 39 upper-division credits hours of coursework, a minimum 2.00 major GPA and minimum 2.00 cumulative GPA. They must also fulfill an approved experiential learning experience, a two-course diversity requirement (domestic and global), complete a writing intensive course with a minimum C (2.000) grade. More specific graduation requirement information can be found in the Academic Policies section of the Kent State University Catalog ([www.kent.edu/catalog](http://www.kent.edu/catalog)).

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It is recommended that students intending to pursue the Bachelor of Science in Information Technology degree in Information Technology through Kent State University consult with academic advisors at both Lorain County Community College and Kent State University.

### ***Contact Information:***

#### ***Kent State University***

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#### ***Lorain County Community College***

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