

ADDENDUM FOR 21-22 AND 22-23 COURSE CATALOG

CYBERSECURITY AAS (105 CREDITS)

CIP Code

11.1003

Required Courses

Cybersecurity AAS (105 Credits)

- 6 quarter AAS
- Maximum class size: 20
- Student to teacher ratio: 20:1
- Enrollment Point:
- This program offers mostly online, hybrid, and web-enhanced courses with some hands-on courses. Please see course descriptions for more details.
- While in this program, students will learn to use Security +, and CySA+
- Students will be responsible for either having their own laptop or checking one out from the college. You will need access to the internet, and purchase 8GB+ USB, Books, and Textout access.

CYBR 101 or INFO 120	Security Professional Practices	5
CYBR 102	Operating System Fundamentals	5
CYBR 103	Database / SQL Fundamentals	5
CYBR 104 or INFO 104	IT Systems I	5
CYBR 105 or INFO 105	IT Systems II	5
CYBR 106	Virtual Computing	5

CYBR 107 or CNST 201	Network Fundamentals I	5
CYBR 108 or CNST 202	Network Fundamentals II	5
CYBR 109 or CNST 209	Windows Server Administration	5
CYBR 201	Information Security I	5
CYBR 202	Information Security II	5
CYBR 203	Advanced Operating Systems I	5
CYBR 204	Advanced Operating Systems II	5
CYBR 205	Mobile / Wireless Security	5
CYBR 206	Attack Vectors	5
CYBR 207	Network Attack Mitigation / Defense	5
CYBR 208	Network Scripting	5
CYBR 292	Independent Project	5

General Education Requirements

Communications (5 Credits Required)

ENGL 175	Professional Writing	5
ENGL& 101	English Composition I	5

Humanities/Social Sciences/Natural Sciences/Other (5 Credits Required)

BIOL& 160	General Biology	5
BIOL& 175	Human Biology with Lab	5

<u>BIOL& 241</u>	Human Anatomy and Physiology I	5
<u>BIOL& 242</u>	Human Anatomy and Physiology II	5
<u>BIOL& 260</u>	Microbiology	5
<u>CHEM &121</u>	General Chemistry	5
<u>CHEM &131</u>	Introduction to Organic/Biochemistry	5
<u>CMST& 102</u>	Introduction to Mass Media	5
<u>CMST& 152</u>	Intercultural Communication	5
<u>CMST& 210</u>	Interpersonal Communication	5
<u>CMST& 220</u>	Public Speaking	5
<u>ECON& 201</u>	Microeconomics	5
<u>HIST 101</u>	A History of Science and Technology	5
<u>HREL 111</u>	Interviewing and Career Success	5
<u>HUM &101</u>	Introduction to Humanities	5
<u>NUTR& 101</u>	Intro to Nutrition	5
<u>PHYS &114</u>	Introductory Physics I (Algebra based Physics)	5
<u>PHYS &221</u>	Engineering Physics I w/LAB	5
<u>PHYS &222</u>	Engineering Physics II w/LAB	5
<u>PHYS &223</u>	Engineering Physics III w/LAB	5
<u>POLS &101</u>	Introduction to Political Science	5
<u>PSYC &100</u>	General Psychology	5
<u>PSYC &200</u>	Lifespan Psychology	5
<u>SOC &101</u>	Introduction to Sociology	5

Quantitative (5 Credits Required)

<u>AMATH 170</u>	Engineering Foundational Mathematics	5
<u>MATH 172</u>	Business Math	5
<u>MATH& 107</u>	Math in Society	5
<u>MATH& 141</u>	Precalculus I	5
<u>MATH& 142</u>	Precalculus II	5
<u>MATH& 146</u>	Statistics	5
<u>MATH& 151</u>	Calculus	5
<u>MATH& 152</u>	Calculus II	5

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

CYBERSECURITY AAS-T (115 CREDITS)

CIP Code

11.1003

6 quarter AAST

Required Courses

Cybersecurity AAS-T (115 Credits)

CYBR 101	Security Professional Practices	5
CYBR 102 or INFO 120	Operating System Fundamentals	5
CYBR 103	Database / SQL Fundamentals	5
CYBR 104 or INFO 104	IT Systems I	5
CYBR 105 or INFO 105	IT Systems II	5
CYBR 106	Virtual Computing	5
CYBR 107 or CNST 201	Network Fundamentals I	5
CYBR 108 or CNST 202	Network Fundamentals II	5
CYBR 109 or CNST 209	Windows Server Administration	5
CYBR 201	Information Security I	5
CYBR 202	Information Security II	5
CYBR 203	Advanced Operating Systems I	5

<u>CYBR 204</u>	Advanced Operating Systems II	5
<u>CYBR 205</u>	Mobile / Wireless Security	5
<u>CYBR 206</u>	Attack Vectors	5
<u>CYBR 207</u>	Network Attack Mitigation / Defense	5
<u>CYBR 208</u>	Network Scripting	5
<u>CYBR 292</u>	Independent Project	5

General Education Requirements

Communications (5 Credits Required)

<u>ENGL& 101</u>	English Composition I	5
<u>ENGL& 235</u>	Technical Writing	5

Humanities/Social Sciences/Natural Sciences/Other (15 Credits Required)

<u>BIOL& 160</u>	General Biology	5
<u>BIOL& 175</u>	Human Biology with Lab	5
<u>BIOL& 241</u>	Human Anatomy and Physiology I	5
<u>BIOL& 242</u>	Human Anatomy and Physiology II	5
<u>BIOL& 260</u>	Microbiology	5
<u>CHEM &121</u>	General Chemistry	5
<u>CHEM &131</u>	Introduction to Organic/Biochemistry	5
<u>CMST& 102</u>	Introduction to Mass Media	5
<u>CMST& 152</u>	Intercultural Communication	5

<u>CMST& 210</u>	Interpersonal Communication	5
<u>CMST& 220</u>	Public Speaking	5
<u>ECON& 201</u>	Microeconomics	5
<u>HUM &101</u>	Introduction to Humanities	5
<u>NUTR& 101</u>	Intro to Nutrition	5
<u>POLS &101</u>	Introduction to Political Science	5
<u>PSYC &100</u>	General Psychology	5
<u>PSYC &200</u>	Lifespan Psychology	5
<u>SOC &101</u>	Introduction to Sociology	5

Quantitative (5 Credits Required)

<u>MATH& 107</u>	Math in Society	5
<u>MATH& 141</u>	Precalculus I	5
<u>MATH& 142</u>	Precalculus II	5
<u>MATH& 146</u>	Statistics	5
<u>MATH& 151</u>	Calculus	5
<u>MATH& 152</u>	Calculus II	5

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

NETWORK SYSTEM SUPPORT CERTIFICATE OF COMPETENCY (60 CREDITS)

CIP Code

11.1002

3 quarter Certificate of Competency

Required Courses

Network System Support CoC (60 Credits)

CYBR 101	Security Professional Practices	5
CYBR 102 or INFO 120	Operating System Fundamentals	5
CYBR 104 or INFO 104	IT Systems I	5
CYBR 105 or INFO 105	IT Systems II	5
CYBR 106	Virtual Computing	5
CYBR 107 or CNST 201	Network Fundamentals I	5
CYBR 108 or CNST 202	Network Fundamentals II	5
CYBR 201	Information Security I	5
CYBR 205	Mobile / Wireless Security	5

General Education Requirements

Communications (5 Credits Required)

<u>ENGL 175</u>	Professional Writing	5
<u>ENGL& 101</u>	English Composition I	5

Humanities/Social Sciences/Natural Sciences/Other (5 Credits Required)

<u>BIOL& 160</u>	General Biology	5
<u>BIOL& 175</u>	Human Biology with Lab	5
<u>BIOL& 241</u>	Human Anatomy and Physiology I	5
<u>BIOL& 242</u>	Human Anatomy and Physiology II	5
<u>BIOL& 260</u>	Microbiology	5
<u>CHEM &121</u>	General Chemistry	5
<u>CHEM &131</u>	Introduction to Organic/Biochemistry	5
<u>CMST& 102</u>	Introduction to Mass Media	5
<u>CMST& 152</u>	Intercultural Communication	5
<u>CMST& 210</u>	Interpersonal Communication	5
<u>CMST& 220</u>	Public Speaking	5
<u>ECON& 201</u>	Microeconomics	5
<u>HIST 101</u>	A History of Science and Technology	5
<u>HREL 111</u>	Interviewing and Career Success	5
<u>HUM &101</u>	Introduction to Humanities	5
<u>NUTR& 101</u>	Intro to Nutrition	5

<u>PHYS &114</u>	Introductory Physics I (Algebra based Physics)	5
<u>PHYS &221</u>	Engineering Physics I w/LAB	5
<u>PHYS &222</u>	Engineering Physics II w/LAB	5
<u>PHYS &223</u>	Engineering Physics III w/LAB	5
<u>POLS &101</u>	Introduction to Political Science	5
<u>PSYC &100</u>	General Psychology	5
<u>PSYC &200</u>	Lifespan Psychology	5
<u>SOC &101</u>	Introduction to Sociology	5

Quantitative (5 Credits Required)

<u>AMATH 170</u>	Engineering Foundational Mathematics	5
<u>MATH 172</u>	Business Math	5
<u>MATH& 107</u>	Math in Society	5
<u>MATH& 141</u>	Precalculus I	5
<u>MATH& 142</u>	Precalculus II	5
<u>MATH& 146</u>	Statistics	5
<u>MATH& 151</u>	Calculus	5
<u>MATH& 152</u>	Calculus II	5

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

COMPUTER SUPPORT CERTIFICATE OF TRAINING (30 CREDITS)

CIP Code

11.1006

2 quarter Certificate of Training

Required Courses

Computer Support Certificate of Training (30 Credits)

CYBR 101	Security Professional Practices	5
CYBR 102 or INFO 120	Operating System Fundamentals	5
CYBR 104 or INFO 104	IT Systems I	5
CYBR 105 or INFO 105	IT Systems II	5
CYBR 106	Virtual Computing	5
CYBR 107 or CNST 201	Network Fundamentals I	5