

**PAYMENT DUE**

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# Certificate: Cybersecurity

**Curriculum Chair:** Prof. John Watkins CLA-26 Tel # (914) 606-8519 Email: [John.Watkins@sunywcc.edu](mailto:John.Watkins@sunywcc.edu)

**Academic Dean Office:** CLA-201 Tel# (914) 606-6795

## Developmental Courses as required based on placement scores

|                            |  |
|----------------------------|--|
| <input type="checkbox"/>   | <b>No Developmental Courses Required</b>   |
| <input type="checkbox"/>   | <b>ENG 91</b> Writing for College 1 – Score of 4 E Code 1 and below  |
| <input type="checkbox"/>   | <b>ENG 92</b> Writing for College 2 – Score of 6 E Code 2  |
| <input type="checkbox"/>   | <b>ESL 94</b> Academic Writing 1 – Score of 5 or 6 E Code 6  |
| 3 <input type="checkbox"/> | <b>ESL 122</b> Academic Writing 2 (3 credits) – Score of 7 E Code 7  |
| <input type="checkbox"/>   | <b>MATH 92</b> Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below  |
| <input type="checkbox"/>   | <b>MATH 93</b> Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below <b>OR</b><br><b>MATH 94</b> Math Literacy – Arithmetic score 45 and above, Elementary Algebra 54 and below |
| <input type="checkbox"/>   | <b>READ 93</b> Foundation of College Reading – Score of 57 and below   |
| 3 <input type="checkbox"/> | <b>READ 105</b> Analytical Reading (3 credits) – Score of 58 and higher  |

## Program of Study

|                            |  |
|----------------------------|--|
| 3 <input type="checkbox"/> | <b>CIS 110</b> – Computer Information Systems Choose an item.  |
| 3 <input type="checkbox"/> | <b>CIS 120</b> – Object Oriented Programming Logic: <b>CIS 110 is pre or co-requisite.</b> Choose an item. |
| 3 <input type="checkbox"/> | <b>CIS 130</b> – Computer Hardware: <b>CIS 110 may be a pre or co-requisite.</b> Choose an item.           |
| 3 <input type="checkbox"/> | <b>CIS 135</b> – PC Operating Systems: <b>CIS 110 is a co-requisite.</b> Choose an item.                   |
| 3 <input type="checkbox"/> | <b>CIS 140</b> – Networking for Business: <b>CIS 110 is a co-requisite.</b> Choose an item.                |
| 3 <input type="checkbox"/> | <b>CIS 235</b> – Server Administration: <b>CIS 140 is the prerequisite.</b> Choose an item.                |
| 3 <input type="checkbox"/> | <b>CIS 240</b> – Network Security: <b>CIS 140 and CIS 155 are prerequisites.</b> Choose an item.           |
| 3 <input type="checkbox"/> | <b>CIS 245</b> – Computer Penetration Testing: <b>CIS 135 is the prerequisite.</b> Choose an item.         |
| 3 <input type="checkbox"/> | <b>CIS 270</b> – Computer Forensics: <b>CIS 135 and CIS 155 are prerequisites.</b> Choose an item.         |

SEEN BY:

Completed credits

of 27 required

NOTES:

The Cybersecurity certificate provides students with a firm foundation in the basic principles of business security. It is recommended for individuals with prior computer experience, and designed for students who need to enhance their job skills. The courses can also be applied to the A.A.S. degree in Computer Security and Forensics. Graduates of this certificate can expect opportunities to use their skills in private industry, government, law enforcement, the military, health services and academia.

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| Academic Plan |                | Completed credits                           |                | of 27 required                         |                |
|---------------|----------------|---|----------------|--|----------------|
|               |                | Fall  |                | Spring                                 |                |
| <u>Class</u>  | <u>Credits</u> | <u>Class</u>                                | <u>Credits</u> | <u>Class</u>                           | <u>Credits</u> |
|               |                | CIS 110 – Computer Information Systems      | 3□             | CIS 235 – Server Administration        | 3□             |
|               |                | CIS 120 – Object Oriented Programming Logic | 3□             | CIS 240 – Network Security             | 3□             |
|               |                | CIS 130 – Computer Hardware                 | 3□             | CIS 245 – Computer Penetration Testing | 3□             |
|               |                | CIS 135 – PC Operating Systems              | 3□             | CIS 270 – Computer Forensics           | 3□             |
|               |                | CIS 140 – Networking for Business           | 3□             |  |                |
|               |                | Fall/Spring                                 |                | Fall/Spring                            |                |
| <u>Class</u>  | <u>Credits</u> | <u>Class</u>                                | <u>Credits</u> | <u>Class</u>                           | <u>Credits</u> |
|               |                |   |                |  |                |
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