

**Department of Information Systems**

**Bachelor of Applied Science in Networking and Data Security**

**Program Chair: Dr. Sergio Hernandez Del Cid,** [**shernandez@tacomacc.edu**](mailto:shernandez@tacomacc.edu)

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|  | ***YEAR 1*** | | | | |
| **Fall year 1** | **Class** | | **Credits** | **Quarter** | **Mode** |
| IT 301 | Scripting and Programing for Network Administration | 5 | F | HY |
| **LS 301** | **Research skills** | 2 | F |  |
| IT 302 | Emerging communication Technology | 3 | F | HY |
| IT 305 | Remote and virtualized Platforms | 5 | F | HY |
|  | Credits: | 15 | **15** |  |
| **Winter year 1** |  | |  |  |  |
| IT 321 | Adv Info and Data Security (CompTia Security +) | 5 | W | HY |
| CMST 320 | Professional and organizational Communication | 5 | W |  |
| STATs | Statway or Statistics | 5 | W |  |
|  | Credits: | 15 | **30** |  |
| **Spring year** 1 |  | |  |  |  |
| IT 322 | Forensics I | 5 | Sp | HY |
| IT 361 | Cloud Computing (CompTia Cloud +) | 5 | Sp | HY |
| PHIL 320 | Ethical Decision Making | 5 | **Sp** |  |
|  | Credits: | 15 | **45** |  |

***Year 2***

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|  | ***YEAR 2*** | | | | |
| **Fall Year 2** |  | |  |  |  |
| IT 461 | Advanced Routing and Switching (Cisco CCNA RS) | 5 | F | HY |
| ENVS 101 | Environmental science | 5 | F |  |
| BUS 201 | Business Law | 5 | F |  |
|  | Credits: | 15 | **60** |  |
| **Winter Year 2** |  | |  |  |  |
| IT 421 | Cyber Operations (CompTia Cysa+) | 5 | W | HY |
| IT 441 | Data Science and big data Analytics | 5 | W | HY |
| POLS 202 | American Government | 5 | W |  |
|  | Credits: | 15 | **75** |  |
| **Spring year 2** |  | |  |  |  |
| IT 418 | Advanced technology integration | 5 | Sp | HY |
| IT 481 | Capstone | 5 | Sp | HY |
| GEOG 210 | Maps GIS and the Environment | 5 | **Sp** |  |
|  | Credits: | 15 | **90** |  |

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