

ENTREPRENEURSHIP CERTIFICATE (ENT C182)

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|-----|-------|-------|-------|
| FCC | ✓ LTC | ✓ OCC | ✓ WVC |
|-----|-------|-------|-------|

Entrepreneurship is the practice of starting new organizations or revitalizing mature organizations, particularly new businesses generally in response to identified opportunities. Entrepreneurial activities are substantially different depending on the type of organization that is being started. Entrepreneurship ranges in scale from solo projects (involving the entrepreneur as only part-time) to major undertakings creating many job opportunities.

Entrepreneurs develop new markets; they can create customers or buyers; they discover new sources of materials; they mobilize capital resources, which in economic terms these represent machines, buildings, and other physical productive resources; they introduce new technologies, new industries and new products intended to satisfy human needs; and they create employment. The largest employer is the private business sector.

| First Semester | Credit Hours 17 | Second Semester | Credit Hours 15 |
|---|------------------------|------------------------------------|------------------------|
| ACC 2101 Financial Accounting | 4 | BMG 2103 Business Statistics | 3 |
| BMK 2101 Principles in Marketing | 3 | BMG 2204 Human Resource Management | 3 |
| BUS 1101 Introduction to Business OR | | BUS 2101 Business Law I | 3 |
| BUS 2106 Introduction to Int'l Business | 3 | BUS 2105 Business Finance | 3 |
| DAP 1201 Business Computer Systems | 3 | ENT 2210 Business Portfolio | V1 |
| ENT 1210 Intro to Entrepreneurship | 3 | Elective | <u>2</u> |
| ENT 1298 Entrepreneur Topics and Issues | V1 | | |
| | | Total Credit Hours | <u>32</u> |

SMALL BUSINESS DEVELOPMENT CERTIFICATE (ENT C184)

This program prepares students with the fundamental knowledge to start their own businesses. Topics covered include the development, administration, and management of business, with emphasis placed on marketing research, business plans, funding, structures and legalities, and financials, among other topics. Successful completers may pursue employment in the business discipline or create their own businesses.

| Requirements | Credit Hours 6 |
|-------------------------------------|-----------------------|
| ENT 1212 Small Business Development | <u>6</u> |
| Total Credit Hours | 6 |

INFORMATION SYSTEMS TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE (IST D217)

| | | | |
|-----|-----|--------------|-----|
| FCC | LTC | ✓ OCC | WVC |
|-----|-----|--------------|-----|

The Information Systems Technology programs will prepare students for jobs in areas such as Network Technician, Help Desk Support Technician, Network Administrator, Cybersecurity Analyst, and Data Analyst. Current industry technology and certifications are heavily emphasized.

First Semester Credit Hours 16

| | | |
|----------|---|---|
| ENG 1111 | Composition I ¹ OR | |
| ENG 1201 | Communications ¹ | 3 |
| IST 1200 | Introduction to Information Technology | 3 |
| IST 1260 | Operating Systems | 3 |
| IST 1298 | Topics in IST | 1 |
| MTH 1103 | Liberal Arts Math ¹ OR | 3 |
| MTH 1131 | Introduction to Statistics ¹ OR | |
| MTH 1201 | Technical Mathematics ¹ | |
| | General Education Elective ¹ | 3 |
| | College Algebra, if transfer | |

Second Semester Credit Hours 15

| | | |
|----------|---|---|
| IST 1201 | Introduction to Networks | 3 |
| IST 1210 | Information Tech Essentials | 3 |
| IST 1240 | Business Apps Computing | 3 |
| IST 2231 | IoT Connecting Things | 3 |
| SPE 1101 | Fundamentals of Effective Speaking ¹ OR | |
| SPE 1111 | Interpersonal Communications ¹ | 3 |

Third Semester Credit Hours 14

| | | |
|----------|--------------------------------|----|
| GEN 2297 | Employment Skills ¹ | V2 |
| IST 1220 | Java Programming | 3 |
| IST 2202 | Linux Essentials | 3 |
| IST 2280 | Network Security | 3 |

Choose 1 of the 2 Tracks Below:

Track 1: Network Administration

| | | |
|----------|------------------------------|---|
| IST 2240 | Switching Routing & Wireless | 3 |
|----------|------------------------------|---|

Track 2: Cybersecurity Specialist

| | | |
|----------|--------------------------|---|
| IST 2203 | Cybersecurity Essentials | 3 |
|----------|--------------------------|---|

Fourth Semester Credit Hours 15

| | | |
|----------|--|---|
| IST 2210 | IST Internship | 3 |
| IST 2232 | IoT Big Data Analytics | 3 |
| | Humanities Gen Ed Elective ^{1*} OR | |
| | Social Science Gen Ed Elective ^{1*} | 3 |

Continue on 1 of the 2 Tracks Below:

Track 1: Network Administration

| | | |
|----------|--------------------------------|---|
| IST 2215 | Operating Systems for Networks | 3 |
| IST 2266 | Enterprise Networking Security | 3 |

Track 2: Cybersecurity Specialist

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|----------|--------------------------|----------|
| IST 2205 | IoT Security | 3 |
| IST 2206 | Cybersecurity Operations | <u>3</u> |

Total Credit Hours 60

¹General Education Hours (17)

*Course must satisfy the IECC human diversity requirement.

NETWORK TECHNICIAN CERTIFICATE (IST C216)

First Semester Credit Hours 6

| | | |
|----------|--|---|
| IST 1200 | Introduction to Information Technology | 3 |
| IST 1260 | Operating Systems | 3 |

Second Semester Credit Hours 12

| | | |
|----------|-----------------------------|----------|
| IST 1201 | Introduction to Networks | 3 |
| IST 1210 | Information Tech Essentials | 3 |
| IST 1240 | Business Apps Computing | 3 |
| IST 2231 | IoT Connecting Things | <u>3</u> |

Total Credit Hours 18