American International College
MAJOR: Cybersecurity
School of Business, Arts and Sciences Catalog Year: 2023-2024
Program Plan

| FRESHMAN | COURSES | CREDITS | TOTAL |
| :---: | :---: | :---: | :---: |
| FALL | AIC1140, APEX 1 (or AIC1100 Introduction to ACE (3 cr)) <br> ENG1200, or ENG1201, English Composition or ENG1601 (Gen Ed category 4) <br> CRJ1400 Introduction to Criminal Justice <br> CYS1000 Introduction to Cybersecurity <br> PSY1200 Introduction to Psychology | $\begin{aligned} & \hline 1 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 13-15 |
| SPRING | ENG1202 Analytical Writing or ENG1602 (Gen Ed category 3) CYS2000 Cybercrime and Governance MGT1400 Principles of Management MIS1300 Business Analytics with Excel PHI1000 Introduction to Critical Thinking (Gen Ed category 4) | $\begin{aligned} & \hline 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 15 |
| SOPHOMORE |  |  |  |
| FALL | Science with lab (Gen Ed category 1) <br> CYS1250 Programming for Everyone I <br> CYS2500 Modern Cybersecurity <br> ENG2280 Professional and Technical Writing or CRJ2000 Communications in Criminal Justice <br> Minor course selection | $\begin{aligned} & \hline 4 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 16 |
| SPRING | AIC2142, APEX 2 <br> CYS2250 Programming for Everyone II <br> CYS2800 Information Security and Data Protection <br> PSY2302 Statistics (Gen Ed category 1) <br> Gen Ed course (category 2) <br> Gen Ed course (category 4) | $\begin{aligned} & 2 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 17 |
| JUNIOR |  |  |  |
| FALL | CYS1100 Introduction to Information Technology CYS3000 Cyber Forensics <br> Gen Ed course (Category 3) <br> MGT3201 Business and Society <br> MGT3661 Project Management | $\begin{aligned} & \hline 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 15 |
| SPRING | AIC3140, APEX 3 <br> CYS2400 Networking Technologies and Telecommunication MGT2400 Organizational Behavior <br> Gen Ed course (category 3) <br> Minor course selection <br> Minor course selection | $\begin{aligned} & 1 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 16 |
| SENIOR |  |  |  |
| FALL | AIC4140, APEX 4 <br> Gen Ed course (Category 3) <br> CYS3100 Google Cloud Computing Foundations <br> Minor course selection <br> Elective <br> Elective | $\begin{aligned} & 1 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \\ & 3 \\ & \hline \end{aligned}$ | 16 |
| SPRING | CYS4800 Capstone - Ethical Hacking MGT3213 Human Resource Management Minor course selection Minor course selection | $\begin{aligned} & 3 \\ & 3 \\ & 3 \\ & 3 \end{aligned}$ | 12 |
|  |  | TOTAL CREDITS: | 120 |

## Notes:

${ }^{*}$ A student will incur additional tuition charges in any semester in excess of 18 credits.
${ }^{* *}$ A student must apply to the Dean for permission to take more than 18 credits in any given semester.

## Program Plan

List of Requirements (all courses are 3 credits unless otherwise noted)

## Major Requirements:

$\qquad$ CRJ1400
$\qquad$ MIS1300
Business Analytics with Excel
$\qquad$ MGT1400
Principles of Management
$\qquad$ MGT2400
Organizational Behavior
$\qquad$ MGT3201 Business and Society
$\qquad$ MGT3213 Human Resource Management
$\qquad$ MGT3661 Project Management
$\qquad$ PHI1000 Introduction to Critical Thinking
$\qquad$ PSY1200 Introduction to Psychology
$\qquad$ CYS1000 Introduction to Cybersecurity
$\qquad$ CYS1100 Introduction to Information Technology Systems
$\qquad$ CYS1250 Programming for Everyone I
$\qquad$ CYS2000 Cybercrime and Governance
$\qquad$ CYS2250 Programming for Everyone II
$\qquad$ CYS2400 Networking Technologies and Telecommunications
$\qquad$ CYS2500 Modern Cybersecurity
$\qquad$ CYS2800
Information Security and Data Protection
$\qquad$ CYS3000
Cyber Forensics
$\qquad$ CYS3100
Google Cloud Computing Foundations
$\qquad$ CYS4800 Capstone: Ethical Hacking
$\qquad$ CYS4899
Internship in Cybersecurity

Choose one of the following courses:

| CRJ2000 | Communications in Criminal Justice |
| :--- | :--- |
| ENG2280 | Professional and Technical Writing |

General Education Requirements Catalog Year: 2023-2024

| Content Category \#1: Exploring Scientific World 7 or 10 credits* |  |  |
| :---: | :---: | :---: |
| Requirements: 1 Math Course ( 3 cr ) \& 1 Science course w/Lab ( 4 cr ). A $2^{\text {nd }}$ science course*, with or without lab, may be completed in lieu of one INT course. |  |  |
| Choose 1 | Math | MAT1430, MAT2004, PSY2302 |
| Choose 1 | SCIENCE with LAB | BIO1020/1021, BIO1120/1121, BIO1130/1131, BIO1200/1201, BIO1210/1211, BIO1400/1401, BIO1500/1501, CHE1100/1101, CHE1110/1111, PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051 <br> BIO1250/1251 for Health Science majors only |
| *OPTION: Choose 1 | SCIENCE with/ without LAB (Choose this option OR a $3^{\text {rd }}$ INT, Category 3) | BIO1020/1021, BIO1120/1121, BIO1130/1131, BIO1200/1201, BIO1210/1211, BIO1400/1401, BIO1500/1501, CHE1100/1101, CHE1110/1111, PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051 BIO1250/1251 for Health Science majors only |
| Content Category \#2: Understanding Self and Others 9 credits |  |  |
| Requirements: 1 course in each category: Self Context (3 cr), US Context (3 cr), Global Context (3 cr) |  |  |
| Choose 1 | Self Context | AAL1200, PSY1200, SOC1100 |
| Choose 1 | US Context | ECO1401, ECO1402, HST1510, HST1520, PCH1030, POL1400, SOC1400 |
| Choose 1 | Global Context | $\begin{aligned} & \text { ECO1010, HST1400, HST1410, IBS1420, PCH2030, POL1500, } \\ & \text { SOC2650 } \end{aligned}$ |
| Content Category \#3: Exploring Interdisciplinarity $\quad 9$ or 12 credits* |  |  |
| Requirements: ENG1202/1602 (3 cr) AND 2 (or 3*) Interdisciplinary (INT) courses (6 or 9 cr ) |  |  |
| Choose 1 | Analytical Writing | ENG1202 or ENG1602 |
| Choose 2 | Interdisciplinary courses | AIC3100, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2620, INT2655 |
| *OPTION: Choose 1 | Interdisciplinary: a $3^{\text {rd }}$ INT course (OR <br> a science course, Category 1) | AIC3100, EXS1200, INT1500, INT1600, INT2100, INT2125, INT2200, INT2350, INT2400, INT2460, INT2540, INT2620, INT2655 |
| Content Category \#4: Exploring the Arts and Humanities 9 credits |  |  |
| Requirements: 1 course in each category: Arts (3 cr) and Humanities (3 cr) |  |  |
| Choose 1 | English Composition | ENG1200, ENG1201 or ENG1601 |
| Choose 1 | Arts | ART1000, COM2460, COM3290, ENG2325, MUS1000, MUS1020, THR1400, THR1420, VDA2640 |
| Choose 1 | Humanities | ENG2390, ENG2410, ENG2420, ENG2430, ENG2510, ENG2520, ENG3200, ENG3210, ENG3430, ENG3440, ENG3800, ITL1000, PHI1000, PHI1200, PHI1400, PHI2010, SPA1010, SPA1100, SPA1201, SPA1202 |
| Content Category \#5: Developing Professional Readiness $\quad 5$ or 7 credits |  |  |
| Requirements: APEX 1-4 (5 cr) OR AIC1100 (3 cr) \& AIC |  |  |
| Choose 1 | APEX or ACE | AIC1100 (3 cr) or AIC1140 (1 cr) |
| Choose 1 | APEX | AIC2142 (2 cr) |
| Choose 1 | APEX | AIC3140 (1 cr) |
| Choose 1 | APEX | AIC4140 (1 cr) |
| Choose 1 (AIC <br> Online or RN to BSN <br> programs only) | APEX for special programs | AIC Online program only: AIC4141 (3 cr) <br> AIC RN to BSN program only: NUR4600 (3 cr) |

