

Cloud & Crypto Computing (Back-end)
Associate of Applied Science

PROGRAM GUIDE

FRESHMAN: FIRST SEMESTER

Course Name

Object Oriented Programming
Programming in Swift
Front-end Web Development
Blockchain and Cryptocurrency Fundamentals
Computer Fundamentals and Applications (Required)
Contemporary Math (Required)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

Software Design I
Design and Front-end Web Development
Advanced Programming in Swift
Cryptocurrency Smart Contracts
Distributed Application Development
Workplace Ethics (or General Education Elective)

SOPHOMORE: FIRST SEMESTER

Course Name

Personal Finance (Required)
API Development
Microservices and Serverless
Database Management
Live Work I for Back-end
Technical Writing-Coding Documentation

SOPHOMORE: SECOND SEMESTER

Course Name

Advanced API Development
Advanced Databases and Data Caches
Live Work II for Back-end

Cloud & Crypto Computing (Blockchain)
Associate of Applied Science

PROGRAM GUIDE

FRESHMAN: FIRST SEMESTER

Course Name

Object Oriented Programming
Programming in Swift
Front-end Web Development
Blockchain and Cryptocurrency Fundamentals
Computer Fundamentals and Applications (Required)
Contemporary Math (Required)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

Software Design I
Design and Front-end Web Development
Advanced Programming in Swift
Cryptocurrency Smart Contracts
Distributed Application Development
Workplace Ethics(or General Education Elective)

SOPHOMORE: FIRST SEMESTER

Course Name

Personal Finance (Required)
Intermediate Smart Contracts
Blockchain Tokenomics
Intermediate Distributed Application Development
Live Work I for Blockchain
Technical Writing-Coding Documentation

SOPHOMORE: SECOND SEMESTER

Course Name

Advanced Smart Contracts
Advanced Distributed Application Development
Live Work II for Blockchain

Cloud & Crypto Computing (Development & Operations)

Associate of Applied Science

PROGRAM GUIDE

FRESHMAN FIRST SEMESTER

Course Name

Object Oriented Programming
Programming in Swift
Front-end Web Development
Blockchain and Cryptocurrency Fundamentals
Computer Fundamentals and Applications (Required)
Contemporary Math (Required)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

Software Design I
Design and Front-end Web Development
Advanced Programming in Swift
Cryptocurrency Smart Contracts
Distributed App Development
Workplace Ethics (or General Education Elective)

SOPHOMORE: FIRST SEMESTER

Course Name

Personal Finance (Required)
Cloud Systems
CI/CD Continuous Integration/Continuous Deployment
Applications Security
Live Work I for Development and Operations
Technical Writing-Coding Documentation

SOPHOMORE: SECOND SEMESTER

Course Name

Advanced Scripting
System Monitoring and Billing
Live Work II for Development and Operations
Container Management

Cloud & Crypto Computing (Front-end)
Associate of Applied Science

PROGRAM GUIDE

FRESHMAN: FIRST SEMESTER

Course Name

Object Oriented Programming
Programming in Swift
Front-end Web Development
Blockchain and Cryptocurrency Fundamentals
Computer Fundamentals and Applications (Required)
Contemporary Math (Required)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

Software Design I
Design and Front-end Web Development
Advanced Programming in Swift
Cryptocurrency Smart Contracts
Distributed App Development
Workplace Ethics (or General Education Elective)

SOPHOMORE: FIRST SEMESTER

Course Name

Personal Finance (Required)
Intermediate Front-end Web Development
Native iOS Development
Native Androic Development
Live Work I for Front-end
Technical Writing-Coding Documentation

SOPHOMORE: SECOND SEMESTER

Course Name

Native Development
Advanced Front-end Development
Live Work II for Front-end

Cloud & Crypto Computing (Product Design & Project Management)
Associate of Applied Science

PROGRAM GUIDE

FRESHMAN: FIRST SEMESTER

Course Name

Object Oriented Programming
Programming in Swift
Front-end Web Development
Blockchain and Cryptocurrency Fundamentals
Computer Fundamentals and Applications (Required)
Contemporary Math (Required)
Student Success Seminar (Required)

FRESHMAN: SECOND SEMESTER

Course Name

Software Design I
Design and Front-end Web Development
Advanced Programming in Swift
Cryptocurrency Smart Contracts
Distributed App Development
Workplace Ethics (or General Education Elective)

SOPHOMORE: FIRST SEMESTER

Course Name

Personal Finance (Required)
Responsive Design
UI/UX User Interface/User Experience
Team Management
Live Work I for Product Design
Technical Writing-Coding Documentation

SOPHOMORE: SECOND SEMESTER

Course Name

Advanced Team Management
Advanced UI/UX User Interface/User Experience
Live Work II for Product Design & Project Management