### Community College Initiative Program

**Field of Study:** Information Technology

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<tr>
<th>Information Technology Concentration Areas</th>
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| **• Computer Information Systems (CIS) and Computer Science (CS)**
  Programming, computer science, web design, games, Excel, Access, SQL, Oracle, or Linux/Unix
| **• Computer Internetworking Technologies (CIT)**
  Building and repairing computers and networks
  Cisco or CompTIA certifications
  Computer forensics or network security
| **• GIS**
  **• IT Technician – Desktop Support, Computer Support, Network Technician** |

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<tr>
<th>Track One Certificate</th>
<th>Track Two Non-Certificate Courses</th>
<th>Track Three Courses and English</th>
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| Minimum Requirements   | Participants who meet the following criteria will be eligible to participate in Track One:  
  • Students must meet minimum language requirements to enroll in credit-bearing classes.  
  • Math placement test may be required for some IT courses.  
  • Pre-requisites may be required for specific courses.  | Students who have not yet met minimum requirements in English at their host campus will take a combination of English classes and content courses, as possible based on their level of proficiency and department approval. |

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<th>Sample Field Concentration Courses</th>
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| **CIS**
  Database Technologies  
  Introduction, Intermediate Access  
  Oracle 11g, SQL 11g, & PL/SQL 11g  
  Web Development and Tools  
  Intro to Game Industry  
  **CIT**
  Introduction to Networks  
  Routing and Switching Essentials  
  Scaling Networks  
  MS Windows Server: Active Directory Configuration, Network Infrastructure Configuration, Server Administrator  
  Geographic Information System Network and Cyber Security  |  
| Introduction, Intermediate, and Advanced Java Programming  
Creating Mobile Apps with HTML5 Programming  
Introduction, Intermediate C# Programming  
Introduction to C++ Programming  
Cyber Security  
Cyberlaw  
IT Project Management  
AutoCAD  
Revit  
Networking Fundamentals  
Intro to Web Site/Page Design  
GIS  
Computer Hardware Basics  |  
| English Reading and Vocabulary  
English Grammar  
English Writing  
English Oral Expression  
English Listening and Speaking  
College Success Skills  
Non-credit courses such as Java, AutoCAD, Revit, Cisco Router & IP Routing, CyberWatch Security, Oracle SQL  
Field elective  |
### General Studies Helpful for the Field

- Oral Communication  
- College Writing  
- Project Management  
- Entrepreneurship

### Hands-on, Practical Professional Experience Outside of the Classroom

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<tr>
<th>Sample Internship Opportunities—Minimum of 75 hours</th>
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<td>Campus tech help desk, local Start Up Accelerator, MSI Mold Builders, ESP International, ACME Graphics, ComputerCORE, Branch Technical Services, Chicago Computers, the local public library, non-profit organizations</td>
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<th>Sample Volunteer Activities that Build Professional Experience in the Field—Minimum of 100 hours</th>
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<td>Tutoring students with less advanced skills, projects in areas of database, web, and social media for a variety of campus offices or local organizations, and the campus help desk</td>
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<th>Sample CCI Programming in This Field of Study</th>
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| *Program Site Visits:* Oracle University Training Center, local businesses such as Rockwell Collins International, Hibu, Transamerica, Nordstrom Direct, and Delta Circuits  