

## Articulation Agreement

### Associate of Applied Business in Information Technology at UC Clermont College to Bachelor of Science in Computer Information Technology at Northern Kentucky University

#### General Information

##### Purpose

This Agreement establishes a partnership between Northern Kentucky University and UC Clermont College for the purpose of providing students well-defined and fully integrated pathways from initial postsecondary enrollment to an associate degree from UC Clermont to a baccalaureate degree from Northern Kentucky University.

##### NKU Degrees/Programs Covered in this Agreement

All academic progression plans in this Agreement apply only to students who successfully complete all requirements and are awarded an Associate of Applied Business in Information Technology degree at UC Clermont College, and thus satisfy all General Education requirements at Northern Kentucky University. Students who do not complete the associate degree before transferring must satisfy General Education requirements at NKU on a course-by-course equivalency basis.

Degrees included in this Agreement are: Computer Information Technology

##### Provisions for Review, Revision and Catalog of Record Designation

Both parties agree to review this Agreement on an annual basis on or about the release of their respective academic catalogs for the forthcoming academic year, and to make any necessary updates required by curricular changes.

To avoid disadvantaging students at UC Clermont College who have formally begun the four year progression outlined in this document, students enrolling at Northern Kentucky University with an earned associate degree from UC Clermont College will be permitted to designate their catalog of record up to two years before the year of NKU enrollment, if such designation is to their advantage.

##### Benefits for Students Provided by Northern Kentucky University

The College of Informatics and Northern Kentucky University will make the benefits listed below available to students of UC Clermont College who have formally declared their intent to earn the associate degree and subsequently pursue a baccalaureate degree in Computer Information Technology at Northern Kentucky University.

- Access to online or on-campus advising from a College of Informatics professional advisor while enrolled at UC Clermont College before entering NKU.
- Guidance from Computer Science faculty and advisors in selection of major and related career opportunities while enrolled at UC Clermont College before entering NKU.

### Benefits for Students Provided by UC Clermont College

The University of Cincinnati's Clermont College will make the benefits listed below available to students at UC Clermont College who have formally declared their intent to earn the Associate of Applied Business degree at UC Clermont College.

- Access to an orientation program and academic advising from the Advising Center at UC Clermont College during the completion of the associate's degree.
- Guidance from UC Clermont College faculty and advisors regarding course selection, professional development, career opportunities and transfer expectations.
- Access to scholarships while enroll at UC Clermont College (Award of scholarships is competitive and cannot be guaranteed).

### Additional Partnership Commitments

All parties to this Agreement commit to the following in order to enhance the success of our students:

- Frequent communication at all levels.
- Collaboration in instructional rigor and content to insure that students are well-prepared for upper division coursework.

### Cancellation and Expiration

This Agreement may be cancelled by the chief academic officer of either institution by providing written notice to the other at least one academic semester prior to the effective date of termination.

This Agreement will be considered continuous for five (5) years from the date of signing unless revision or cancellation is requested by either party. The Agreement will expire after five (5) years unless renewed by agreement of both parties.

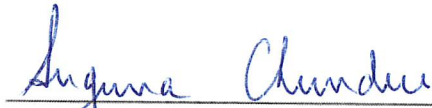
### **Curriculum (AY 2019-20 Academic Catalog)**

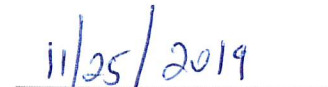
Completion of the following curricula will satisfy the requirements under the AY 2019-2020 academic catalog for the associate degree at UC Clermont College and lead to the baccalaureate degree at Northern Kentucky University. Admission and degree requirements for each degree are listed on the pathway.

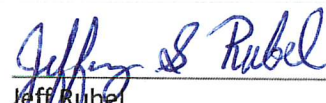
Northern Kentucky University recognizes the completion of General Education certification requirements at any U.S. regionally accredited institution of higher education as fulfilling NKU General Education certification requirements.

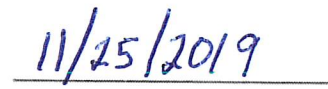
Intending to be legally bound, by signing below, each party acknowledges its agreement with the terms and conditions of the Agreement and each signatory represent and warrant that the he/she is authorized to sign on behalf of and to bind his/her party to all of the terms and conditions of this Agreement as of the Effective Date.

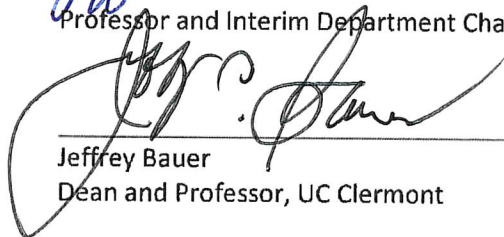
UC Clermont

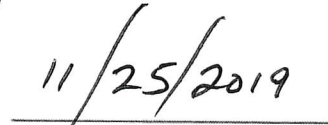
  
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Suguna Chundur  
Professor and Academic Coordinator

  
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Date

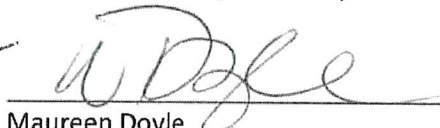
  
\_\_\_\_\_  
Jeff Rubel  
Professor and Interim Department Chair, Business, Law and Technology

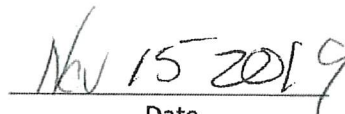
  
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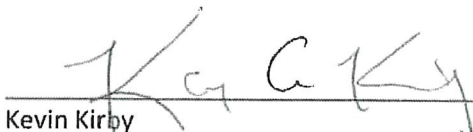
  
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Jeffrey Bauer  
Dean and Professor, UC Clermont

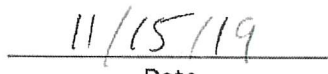
  
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Northern Kentucky University

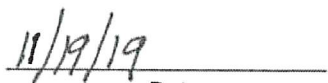
  
\_\_\_\_\_  
Maureen Doyle  
Chair, Computer Science

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Kevin Kirby  
Dean, College of Informatics

  
\_\_\_\_\_  
Date

  
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Sue Ott Rowlands  
Provost & Executive VP for Academic Affairs

  
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Date

**UC CLERMONT COLLEGE AAB IN INFORMATION TECHNOLOGY TO  
NKU BS IN COMPUTER INFORMATION TECHNOLOGY MAJOR CHECKLIST**

**UC Clermont College**

**Category 1: Requirements for the AAB in Information Technology**

| <b>UC Clermont Course</b>           | <b>Course or Category</b>   | <b>Credits</b> | <b>NKU Course</b>                            | <b>Completed</b> |
|-------------------------------------|---|----------------|--|------------------|
| BoK: HU                             | Humanities and Literature Elective                                      | 3              | TBD XXX                                      |                  |
| BoK: NS                             | Natural Science Elective  | 3              | TBD XXX                                      |                  |
| COMM 1076                           | Introduction to Interpersonal Communication                             | 3              | CMST 220                                     |                  |
| ENGL 1001                           | English Composition   | 3              | ENG 101                                      |                  |
| ENGL 2089                           | Intermediate Composition  | 3              | ENG 102                                      |                  |
| IT 1050                             | Fundamentals of Information Technology                                  | 3              | IT 1050 +<br>IT 1081C =<br>CIT 130 + CIT 271 |                  |
| IT 1051C                            | Fundamental of Digital Media  | 3              | MIN 240                                      |                  |
| IT 1080C                            | Computer Networking   | 3              | INF 284                                      |                  |
| IT 1081C                            | System Administration   | 3              | IT 1050 +<br>IT 1081C =<br>CIT 130 + CIT 271 |                  |
| IT 1090C                            | Computer Programming I  | 3              | CSC 260                                      |                  |
| IT 2020                             | Implications of Information Technology                                  | 3              | PHI 310                                      |                  |
| IT 2030C                            | Information Security and Assurance                                      | 3              | CIT 285                                      |                  |
| IT 2040C                            | Fundamentals of Web Development   | 3              | INF 286                                      |                  |
| IT 2045C                            | Computer Programming II   | 3              | CSC 360                                      |                  |
| IT 2060C                            | Database Management I   | 3              | INF 282                                      |                  |
| IT 2090C                            | Fundamentals of Open Source Web Server Application Development          | 3              | INF 286                                      |                  |
| IT 3045C                            | Contemporary Programming  | 3              | CSC 200T                                     |                  |
| IT 3046C                            | Client-Side Web Programming   | 3              | CSC 301                                      |                  |
| IT 3047C                            | Web Server Application Development                                      | 3              | CIT 300T                                     |                  |
| IT 3060C                            | Database Management II  | 3              | INF 282 or<br>INF 200T                       |                  |
| MATH 1008<br>or<br>STAT 1034        | Fundamentals of Quantitative Reasoning<br>or<br>Elementary Statistics I | 3              | MAT 115 or<br>STA 113                        |                  |
| <b>Total Associate Degree Hours</b> |   | <b>63</b>      |  |                  |

TBS XXX means to be selected by UC Clermont student

TBD XXX means to be determined by NKU based on course selected at UC Clermont

## Northern Kentucky University

### Category 3: Additional General Education Courses

| NKU Course                                     | Course or Category                           | Credits   | UC Clermont Course | Taken at UC Clermont |
|--|--|-----------|--------------------|----------------------|
| TBS XXX  | Oral Communication                           | 3         |                    |                      |
| TBS XXX  | Natural Science (must have at least one lab) | 3-4       |                    |                      |
| TBS XXX  | Self & Society                               | 9         |                    |                      |
| TBS XXX  | Culture & Creativity                         | 3         |                    |                      |
| TBS XXX  | Global Viewpoints                            | 3         |                    |                      |
| <b>Subtotal General Education Credit Hours</b> |  | <b>21</b> |                    |                      |

### Category 4: Major Requirements for BS in Computer Information Technology

| NKU Course                                | Course  | Credits      | UC Clermont Course                     | Taken at UC Clermont |
|---|---|--------------|--|----------------------|
| INF 100                                   | Orientation to College of Informatics   | 1            | Waived for students with AAB degree    | x                    |
| INF 120                                   | Elementary Programming  | 3            | Waived by IT 1090C                     | x                    |
| INF 282                                   | Introduction to Databases   | 3            | IT 2060C                               | x                    |
| INF 284                                   | Introduction to Computer Networks   | 3            | IT 1080C                               | x                    |
| INF 286                                   | Introduction to Web Development   | 3            | IT 2040C                               | x                    |
| CIT 130                                   | Information Technology Fundamentals   | 3            | IT 1050 + IT 1081C = CIT 130 + CIT 271 | x                    |
| CIT 271                                   | Windows Administration  | 3            | IT 1081C                               | x                    |
| CIT 285                                   | Cybersecurity Fundamentals  | 3            | IT 2030C                               | x                    |
| CIT 371                                   | Unix Systems  | 3            |  |                      |
| CIT 383                                   | Scripting I   | 3            |  |                      |
| STA 205 or STA 250                        | Statistical Methods or Probability and Statistics   | 3            |  |                      |
| PHI 310                                   | Information Ethics  | 3            | IT 2020                                | x                    |
| ENG 347                                   | Technical Writing   | 3            |  |                      |
|   | Select one track from following tracks:<br>Network and System Administration Track<br>Web and Database Administration Track<br>Cybersecurity Track<br>Non-Specialist Track<br>(Required courses are listed in Category 6 tables below.) | 9-18         |  |                      |
| <b>Subtotal Major Credit Hours at NKU</b> |   | <b>21-30</b> |  |                      |

| NKU Course | Course   | Credits      | UC Clermont Course | Taken at UC Clermont |
|------------|--|--------------|--------------------|----------------------|
|            | <b>Subtotal Major Credit Hours UC Clermont</b> | <b>25-34</b> |                    |                      |
|            | <b>Total Major Credit Hours</b>                | <b>55</b>    |                    |                      |

**Category 5: Additional Requirements at NKU**

| NKU Course | Course   | Credits  | UC Clermont Course | Taken at UC Clermont |
|------------|--|--|--------------------|----------------------|
|            | <p>Focus or Minor and Electives<br/> NKU requires a minimum of 15 additional hours at the 300 level or above to meet NKU graduation requirements. A Focus or a Minor may be selected to assist in satisfying this requirement. Please be aware not all Focus or Minor requirements satisfy this requirement due to the nature of the courses that are included. If a Focus or Minor is selected that does not meet the 15 hour requirement of 300 level or higher coursework, additional approved electives at the 300 level or higher will be required. Two common minors are Information Systems and Computer Science. The Information Systems Minor requires an additional 15 hours at the 300 or higher level and the Computer Science Minor requires an additional 6 hours at the 300 or higher level. Students who choose a Computer Science minor will need 9 additional hours at the 300 level or above.</p> | <p>A minimum of 15 credit hours at the 300 level or higher are required.</p> |                    |                      |
|            | <b>Total Baccalaureate Degree Credit Hours</b>   | <b>123-132</b>   |                    |                      |

Students must choose a track as part of the Computer Information Technology major. Track requirements are listed in the Category 6 tables below.

**Category 6: NKU Major Requirements for the Network and System Administration Track**

| NKU Course | Course                                     | Credits   | UC<br>Clermont<br>Course | Taken at<br>UC<br>Clermont |
|------------|--|-----------|--------------------------|----------------------------|
| CIT 247    | Networking Fundamentals                    | 3         |                          |                            |
| CIT 447    | Network Design/Troubleshooting             | 3         |                          |                            |
| CIT 470    | Advanced Network and System Administration | 3         |                          |                            |
| CIT 484    | Network Security                           | 3         |                          |                            |
| CIT XXX    | 300/400-level CIT Course (not above)       | 3         |                          |                            |
| CIT XXX    | 300/400-level CIT Course (not above)       | 3         |                          |                            |
|            | <b>Additional Credit Hours for Track</b>   | <b>18</b> |                          |                            |

**Category 6: NKU Major Requirements for the Web and Database Administration Track**

| NKU Course            | Course  | Credits  | UC<br>Clermont<br>Course | Taken at<br>UC<br>Clermont |
|-----------------------|---|----------|--------------------------|----------------------------|
| CSC 260               | Object-Oriented Programming I   | 3        | IT 1090C                 | x                          |
| CSC 360               | Object-Oriented Programming II  | 3        | IT 2045C                 | x                          |
| CSC 301               | Web Programming   | 3        | IT 3046C                 | x                          |
| CIT 436               | Web Server Administration   | 3        |                          |                            |
| CIT 472               | Database Administration   | 3        |                          |                            |
| CSC 456 or<br>CIT XXX | Advanced Web Application Development or<br>One 300/400-level CIT course (not above) | 3        |                          |                            |
|                       | <b>Additional Credit Hours for Track</b>  | <b>9</b> |                          |                            |

**Category 6: NKU Major Requirements for the Cybersecurity Track**

| NKU Course | Course                                   | Credits   | UC<br>Clermont<br>Course | Taken at<br>UC<br>Clermont |
|------------|--|-----------|--------------------------|----------------------------|
| CIT 247    | Networking Fundamentals                  | 3         |                          |                            |
| CIT 430    | Computer Forensics                       | 3         |                          |                            |
| CIT 484    | Network Security                         | 3         |                          |                            |
| CIT 485    | Advanced Cybersecurity                   | 3         |                          |                            |
| CIT XXX    | 300/400-level CIT Course (not above)     | 3         |                          |                            |
| CIT XXX    | 300/400-level CIT Course (not above)     | 3         |                          |                            |
|            | <b>Additional Credit Hours for Track</b> | <b>18</b> |                          |                            |

BIS 382, CSC 482 and CSC 483 may count as the CIT elective in the Cybersecurity Track.

**Category 6: NKU Major Requirements for the Non-Specialist Track**

| <b>NKU Course</b>                   | <b>Course</b>   | <b>Credits</b> | <b>UC<br/>Clermont<br/>Course</b> | <b>Taken at<br/>UC<br/>Clermont</b> |
|-------------------------------------|---|----------------|-----------------------------------|-------------------------------------|
| CSC 260                             | Object-Oriented Programming I   | 3              | IT 1090C                          | x                                   |
| CSC 360                             | Object-Oriented Programming II  | 3              | IT 2045C                          | x                                   |
| CIT 436 or<br>CIT 438 or<br>CIT 472 | Web Server Administration or<br>Cloud Computing or<br>Database Administration | 3              |                                   |                                     |
| CIT 470 or<br>CIT 485               | Advanced Network and System Administration or<br>Advanced Cybersecurity       | 3              |                                   |                                     |
| CIT XXX                             | One 300/400-level CIT course (with approval from<br>the department)           | 3              | IT 3045C                          | x                                   |
| CIT XXX                             | One 300/400-level CIT course (not above)                                      | 3              |                                   |                                     |
|                                     | <b>Additional Credit Hours for Track</b>                                      | <b>9</b>       |                                   |                                     |

Updated September 2019