NKU

COLLEGE OF INFORMATICS
COMPUTATION ■ INFORMATION ■ COMMUNICATION

Bachelor of Science in:
Computer Information Technology

For Students Following the:
2022-2023 catalog

Name:	
Student ID:	
Catalog Year:	

SUPPORT COURSES (9 Hours)						
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**OFFICE USE ONLY Approved Exceptions**
STA 205	Statistical Methods	MAT 101 and ENG 101R or RDG 110 or placement	**3**			**Successful STA 205 DSST**
OR						
STA 205R	Statistical Methods with Recitation		**3**			
OR						
STA 250	Probability and Statistics I	MAT 129 or Co-req MAT 227	**3**			
PHI 310	Information Ethics	Sophomore Standing or Instructor Consent	**3**			**Successful PHI 310 DSST**
ENG 347	Technical Writing	ENG 102, HNR 102, or equivalent	**3**			

CORE COURSES (29 Hours)						
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**OFFICE USE ONLY Approved Exceptions**
INF 100	Orientation to College of Informatics	Freshman standing or Department Approval	**1**			
INF 120	Elementary Programming (or placement)	MAT 102 or MAT 114 or placement	**3**			**Successful INF 120 CPLE**
INF 282	Introduction to Databases	MAT 102 (≥ C)	**3**			
OR						
CSC 350	Database Programming	CSC 360	**3**			
INF 284	Introduction to Computer Networks	MAT 103 & INF 110 or INF 120 or CIT 130	**3**			
INF 286	Introduction to Web Development	MAT 103 & INF 110 or INF 120 or CSC 260 (pre-req or co-req)	**3**			**Successful INF 286 CPLE**
CIT 130	Information Technology Fundamentals	MAT 101 & ENG 101R or placement	**3**			
CIT 171	Introduction to Linux	ENG 101 or ENG 101R or placement	**1**			
CIT 271	Windows Administration	INF 120 & INF 284 or CIT 247	**3**			
CYS 285*	Cybersecurity Fundamentals	CIT 130 & CIT 171 & INF 284 or CIT 247	**3**			
CIT 371	Unix Systems	INF 120, CIT 130, CIT 171 & INF 284 or CIT 247	**3**			**Successful CIT 371 CPLE**
CIT 383	Scripting I	INF 120 & CIT 271 or CIT 371	**3**			

Students will select ONE of the following specialization tracks to fulfill their major requirements.

NETWORK AND SYSTEM ADMINISTRATION TRACK (18 Hours)						
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**OFFICE USE ONLY Approved Exceptions**
CIT 247	Networking Fundamentals	CIT 130 & CIT 171 & INF 284	**3**			**Successful CIT 247 Competency Exam**

CIT 447*	Network Design/Troubleshooting	CIT 247	**3**			
CIT 470	Advanced Network & System Admin.	CIT 271 & CIT 371 & CIT 383	**3**			
CYS 484*	Network Security	INF 284 & CYS 285	**3**			
CIT 3xx-4xx			**3**			
CIT 3xx-4xx			**3**			

CLOUD & SYSTEM ADMINISTRATION TRACK (18 Hours)						**OFFICE USE ONLY**
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
CIT 436	Web Server Administration	CIT 371	**3**			
CIT 438	Cloud Computing	CIT 371	**3**			
CIT 451	Advanced Windows System Administration	CIT 271	**3**			
CIT 472	Database Administration	INF 282 & CIT 271 & CSC 260 or CIT 383	**3**			
CIT 2xx-4xx			**3**			
CIT 3xx-4xx			**3**			

**CSC 260, ASE 220, ASE 230 may count as 2xx-4xx elective*

*** CSC 360, ASE 330, ASE 456, CYS 484 may count as 3xx-4xx elective*

**** Cloud & System Admin. Track is available in a fully-online format*

CYBERSECURITY TRACK (18 Hours)						**OFFICE USE ONLY**
Course		**Pre-req**	**Credits**	**Term**	**Grade**	**Approved Exceptions**
CYS 330	Introduction to Ethical Hacking	CYS 285	**3**			
CYS 385	Cybersecurity Analysis I	INF 120, CIT 271, & CYS 285	**3**			
CYS 484*	Network Security	INF 284 & CYS 285	**3**			
CYS 485	Advanced Cybersecurity	CYS 385	**3**			
CIT/CYS 3xx-4xx			**3**			
CIT/CYS 3xx-4xx			**3**			

BIS 382, CSC 482, and/or CSC 483 may count as electives

No more than 6 hours of CIT 392/399/492/499 can count toward the major.

*** Students with the current certification** (at the time of registering the class(es)) can have course credits based on the following course mappings:**

- CompTIA Linux+ → CIT 371 Unix Systems
- CompTIA Network+ → INF 284: Introduction to Computer Networks
- CompTIA Security+ → CYS 285: Cybersecurity Fundamentals
- Cisco Certified Entry Networking→CIT 247: Networking Fundamentals
- Cisco CCNP Security Core Exams → CYS 484: Networking Security
- Cisco CCNA Exam → CIT 247: Networking Fundamentals & CIT 447: Network Design/Troubleshooting
- OCA Oracle Certified Associate → CIT 472: Database Administration

Students need to have a copy of their certification stored in their student file to obtain the above course credits.

**Except for Security+ exams SY0-401 and below. These exams have no hands-on component, so students with these certifications will be required to take CIT 285.

Students must have a grade of "C-" or better to meet pre-requisites for all courses unless otherwise indicated.
Students also must earn a grade of "C-" or better and a 2.00 GPA in all courses that apply to the major.
Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.