Transfer Guide

Associate of Applied Science Information Technology-Cyber Systems Option to Bachelor of Science in Computer Science, Networking and Data Communication Concentration

The following is presented as an articulation agreement between Prairie State College (PSC) and Olivet Nazarene University (ONU) for the Information Technology- Cyber Systems Option degree program based on the current catalogs of both schools. The student would receive an Associate of Applied Science (AAS) degree from PSC and a Bachelor of Science (BS) degree in Computer Science, Networking and Data Communication Concentration from ONU.

I. Transferable Credits from the General Education Core Curriculum

Area 1: Communication (9 hours)

ENG 101 Composition I	ENGL 109 College Writing I (3)
ENG 102 Composition II	ENGL 210 College Writing II (3)
COMM 101 Prin. of Communication	COMM 105 Fund. of Speech (3)

Area 2: Social & Behavioral Sciences** (6 hours)

HIST-151 or HIST-152 History Civilization I or II HIST-200 Western Civilization (3)

AND Select one Social & Behavioral Sciences course- (3)

ECON-201 or ECON-202 Economics I or II	ECON-110 Principles of Economics
POLSC 140 Intro to US Gov't & Politics	PSCI-223 American Government
PSYCH-101 Intro to Psychology	PSYC-101 Intro to Psychology
SOCIO-101 Intro to Sociology	SOCY-120 Intro to Sociology

Area 3: Humanities, Fine Arts, & Literature **(6 hours) Select 3 hours from TWO different areas:

Fine Arts

ART 129 Art Appreciation	ART 100 AND MULT 100 (3)
HUMAN 202 Form/Structure Art	ART 100 AND MULT 100 (3)
MUSIC 130 Music Appreciation	ART 100 AND MULT 100 (3)

Literature

ENG 240 Intro to Fiction	LIT 105 Studies in Literature (3)
ENG 221 Intro to Poetry	LIT 105 Studies in Literature (3)

Philosophy

PHILO 101 Intro to Philosophy	PHIL 201H Intro to Philosophy (3)

Foreign Language

SPAN 202 Spanish	SPAN 212H Intermediate Spanish II (3)

Area 4: Mathematics/Sciences (11 hours)

MATH 112 Gen Ed Math	MATH 103 Math for Lib. Arts (3) required for ONU

Select one general physical science and one general biological science class. One class must have a lab.

General Physical Science Course (3-5 hours)**
General Biological Science Course (3-4 hours)**

II: Area of Concentration (44)

IT 101	IT Orientation (1)- required for AAS degree ONU prefers students complete the AAS degree prior for transfer.
IT 140	Intro to Operating Systems (meets COMP 227) (3)
IT 201	Systems Design & Development (meets BSNS 403) (3)
IT 205	Ethics in Information Technology (meets COMP 334) (2)
IT 240	Linux Operating Systems (meets COMP 332 when completed IT 240 & IT 253) (3)
IT 253	Linux System Administration (meets COMP 332 when completed IT 240 & IT 253) (3)
ITCYB 103	Intro to Cybersecurity (meets COMP 130) (2)
ITCYB 143	Scripting & Security (meets COMP 260) (3)
ITNET 160	Computer Repair (meets COMP 141 AND COMP 142) (4)
ITNET 165	Intro to Networking (meets COMP 237) (3)
ITNET 175	Intro to Networking II (meets COMP 238) (3)
ITNET 235	CCNA LAN Design (meets COMP 238) (3)
ITPRG 158	Python Programming (meets COMP 150) (3)
ITNET 250	Intro to LAN Administration (meets COMP 227) (3)
ITNET 260	Network Security Fundamentals (meets COMP 337) (3)
ITNET 263	Advanced Windows Server Administration (meets COMP 333) (3)

**Refer to the PSC AAS guidelines for a list of course choices in the general education area. The courses listed are recommended but not limited to.

Required A.A.S. Degree Program Total: 60 Credit Hours transferrable hours

<u>75 PSC credits transfer to ONU as written above, see next page for more options</u>

Students may transfer in a maximum of 82 credit hours from a 2yr/Community College.

III: Taken at Olivet Nazarene University (min. 44 Credit Hours)

BLIT 210	Christian Scriptures (3)
CMIN 310	Christian Formation (3)
COMP 120	Intro to Programming (2)
COMP 246	Database Programming (2)
COMP 247	Database Design & Administration (2)
COMP 355	Agile Methodologies (3)
SPAN 112	Elem Spanish II (or can take SPAN 102 at PSC) (3)
Stewardship	See list of classes below (3)

Plus Completion of One Concentration:

Networking and Data Communications Concentration

COMP 125	Cloud Foundations (2)
COMP 230	ServerOps (3)
COMP 338	Wireless Technologies & RF (3)
COMP 345	Cloud Architecture (3)
COMP 348	Packet Analysis & Inspection (3)
COMP 360	Cryptography & Blockchain (3)
COMP 420	Risk Mgmt & Bsns Continuity Planning (3)
<u>Recommended</u> Supporting Classes:	
COMP 493	Software Research & Dev. Project (2)
COMP 494	Internship (1-3)
ENGL 311	Business Comm/Tech Writing (3)
FACS 312	Professional Image & Dress (1)

Software Development Concentration

COMP 125	Cloud Formations (2)
COMP 250	Programming: Data Structures (meets PSC ITPRG 147)(3)
COMP 340	Human Computer Interface (3)

COMP 350	Programming: Object Oriented (meets PSC ITPRG 247) (3)
COMP 360	Cryptography & Blockchain (3)
COMP 381	Systems Programming (4)
COMP 445	Big Data (3)
COMP 475	Theory of Computation (3)
MATH 137 OR MATH 147	Applied Calculus OR Calculus I (meets PSC MATH 157 or PSC MATH 171) (3-4)
MATH 311	Discrete Math (meets PSC MATH 210) (3)
Choose 2 out of 4 Options:	
COMP 322	Mobile Application Development (3)
COMP 325	Cloud Development (3)
COMP 330	Web Development (meets PSC ITPRG 157) (3)
COMP 347	Machine Learning/Artificial Intelligence (3)
Recommended Supporting Classes:	
COMP 493	Software Research & Dev. Project (2)
COMP 494	Internship (1-3)
ENGL 311	Business Comm/Tech Writing (3)
FACS 312	Professional Image & Dress (1)
MATH 241	Statistics (meets PSC MATH 153) (4)

Software Entrepreneurship Concentration

COMP 125	Cloud Formations (2)
COMP 250	Programming: Data Structures (meets PSC ITPRG 147) (3)
COMP 340	Human Computer Interface (3)
COMP 350	Programming: Object Oriented (meets PSC ITPRG 247) (3)
COMP 360	Cryptography & Blockchain (3)
COMP 381	Systems Programming (4)
COMP 493	Software Research & Dev. Project (2)
ACCT 110	Financial Accounting (meets PSC BUS 131) (4)
BSNS 160	Principles of Management (meets PSC BUS 241) (3)
BSNS 253	Principles of Marketing (meets PSC BUS 251) (3)
MATH 117 OR 137 OR 147	Finite Math OR Applied Calculus OR Calculus I (meets PSC MATH 155 OR PSC MATH 157 OR PSC MATH 171) (3-4)
Choose 2 out of 6 Options:	
COMP 322	Mobile Application Development (3)
COMP 325	Cloud Development (3)
COMP 330	Web Development (meets PSC ITPRG 157) (3)

COMP 347	Machine Learning/Artificial Intelligence (3)
COMP 445	Big Data (3)
COMP 475	Theory of Computation (3)
Recommended Supporting Classes:	
COMP 494	Internship (1-3)
ENGL 311	Business Comm/Tech Writing (3)
FACS 312	Professional Image & Dress (1)
MATH 241	Statistics (meets PSC MATH 153) (4)

Olivet Nazarene University Graduation Requirements

- Minimum credit hours required for BS in Computer Science: 120 credit hours
- A minimum grade point average of 2.0 ("C") required.
- A minimum of a "C" grade is required for major and supporting coursework.
- A minimum ***institutional*** grade point average of 2.0 required.
- A minimum of 30 hours of credit in upper-division courses (numbered 300 or above) for bachelor's degrees
- Completion of a major program of study as specified by the College, School, or Department to which the major belongs including:
    - All general Education courses
    - All major and supporting courses
- Lower-level courses may cover the same material as the ONU equivalent, but is taught at a lower level. It cannot be used to satisfy the Olivet requirement of 30 upper division hours (300-400 level courses).

For additional Information:
Olivet Nazarene University
Office of Admissions
800-648-1463
https://www.olivet.edu/transfer-equivalency
Tiffany Holohan
Dir. of Community College & Academic Partnerships
tmholohan@olivet.edu
815-928-5515

Prairie State College

Stewardship (2-3 Hours)

BSNS 302 Personal Finance	
CDEV 360 Child Family Relations	
COMM 203 Interpersonal Comm.	PSC COMM 108 Inter. Comm.
PHED 126 Nutrition, Health, & Fit.	PSC PES 230 Nutrition for Exercise
FACS 252 Consumer Economics	
PHED 190 Wellness	PSC HLTH 101 Health & Wellness
SOCY 305 Human Sexuality	PSC PSYCH 217 Human Sexuality
SOCY 340 Sociology of Marriage	
SOCY 351 Sociology of the Family	PSC SOCIO 210 Marriage & Family
SOWK 365 Crisis Intervention	

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August/2020