

# UNIVERSITY STUDIES

## Bachelor of Applied Science Checklist

- Review the Program Admission requirements.
- View the General Education Matrix for a complete list of qualifying courses.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.

## Summary

Foundation	45
Major	39
General Education	37-38
Digital Literacy	
<b>Total Credits</b>	<b>121-122</b>

## Degree Plan Foundation

COMM 218	Public Relations Principles	3
Will depend based on what the students goals are. The student must work with an advisor to develop a plan.		42
<b>Total Credits</b>		<b>45</b>

## Major

ENGL 125	Introduction to Professional Writing	3
PHIL 441	Ethics in Artificial Intelligence (AI)	3
COMM 327	Industry Communication	3
UNIV 397	Cooperative Education/Internship	1-3
UNIV 497	Cooperative Education/Internship	1-3
Choose two of the following areas (12 credits from each area):		24
300-400 level CIT/CIS courses (p. )		
300-400 level ENRG courses (p. )		
300-400 level FIN/ECON courses (p. )		
300-400 level ACCT courses (p. )		
300-400 level MET courses (p. )		
300-400 level MGMT courses (p. )		
300-400 level HPER courses (p. )		
300-400 level AH courses (p. )		
<b>Total Credits</b>		<b>39</b>

## General Education

### Written Communications

ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
<b>Credits Subtotal</b>		<b>6</b>

### Oral Communications

COMM 110	Fundamentals of Public Speaking	3
<b>Credits Subtotal</b>		<b>3</b>

### Arts & Humanities

PHIL 210	Ethics	3
Select 6 credits from the following recommended courses:		6
ART 110	Introduction to the Visual Arts	
MUSC 100	Music Appreciation	
<b>Credits Subtotal</b>		<b>9</b>

### Social and Behavioral Science

SOC 110	Introduction to Sociology	3
PSYC 111	Introduction to Psychology	3
COMM 212	Interpersonal Communication	3
<b>Credits Subtotal</b>		<b>9</b>

### Business, Math, Science & Technology

BADM 202	Principles of Management	3
Select 3 credits from the following:		3-4
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Pre-Calculus	
MATH 110	Math in Society	
MATH 146	Applied Calculus I	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Select a Science with lab combination:		4
BIOL 111	Concepts of Biology (Recommended)	
BIOL 111L	Concepts of Biology Lab (Recommended)	
<b>Credits Subtotal</b>		<b>10-11</b>

**General Education Total Credits**

**37-38**

### Digital Literacy

Select one of the following:

ENGL 110	College Composition I
NDUS Institution Approved Training Course	
NDUS Institution Designated Digital Literacy Course	

## Major Areas

Choose two of the following areas (12 credits from each area):

### CIT/CIS Area

CIS 438	End-User Data Analysis Tools	3
CIS 452	Advanced Excel Spreadsheets / Business Analytics	3
CIT 320	Disaster Recovery & Incident Response	3
CIT 330	Data Center Virtualization Fundamentals	3
CIT 367	Cybersecurity Infrastructure Configuration	3
CIT 381	IT Project Management	3
CIT 410	Wireless Networking and Mobile Security	3
CIT 430	Cloud Computing Fundamentals	3
CIT 450	Database and Web Application Security	3
CIT 470	Penetration Testing Fundamentals	3
CIT 475	Emerging Threats and Defenses	3

### ENRG Area

ENRG 302	Ethical Issues in the Energy Industry	3
ENRG 310	Energy Production and the Environment	3
ENRG 315	Energy Management Communications	3
ENRG 320	Fundamentals of Workforce Safety	3
ENRG 330	Public Policy and Sustainability	3
ENRG 404	New and Emerging Energy Technologies	3
ENRG 412	Energy Economics and Finance	3
ENRG 420	Energy Markets and Structures	3
ENRG 430	Project Management in the Energy Industry	3
ENRG 435	Managing Energy Facilities	3

### FIN/ECON Area

ECON 409	Financial Econometrics and Computational Methods	3
FIN 320	Financial Markets and Institutions	3
FIN 326	Business Finance	3
FIN 336	Advanced Financial Management	3
FIN 337	Investments	3
FIN 403	Money, Banking and Financial Markets	3
FIN 480	Financial Modeling	3
FIN 487	Cases in Finance and Risk	3
LEAD 317	Relationship Building	3

### ACCT Area

ACCT 305	Cost Accounting	3
ACCT 315	Principles of Taxation	3
ACCT 330	Financial Statement Reporting and Analysis	3
ACCT 331	Intermediate Accounting I	3
ACCT 332	Intermediate Accounting II	3
ACCT 345	Government/Fund Accounting	3
ACCT 346	Non-Profit Accounting	3
ACCT 417	Advanced Accounting	3
ACCT 423	Enterprise Risk Management	3
ACCT 433	Auditing	3

### MET Area

MET 320 & 320L	Integrated Engineering Sciences and Integrated Engineering Sciences Lab	3
MET 330 & 330L	Input and Output System Application and Input and Output System Application Lab	3
MET 340 & 340L	Workcell Design, Ergonomics and Efficiency and Workcell Design, Ergonomics, and Efficiency Lab	3
MET 410	Material Properties & Mechanics	3
MET 420 & 420L	Robotics Applications and Robotics Applications Lab	3
MET 430 & 430L	System Programming and Process Control and System Programming and Process Control Lab	3
MET 450 & 450L	Mechatronic System Design and Mechatronic System Design Lab	3

### MGMT Area

MGMT 327	Reliability of Manufacturing Processes	3
MGMT 381	Project Management Fundamentals	3
MGMT 427	Logistics and Supply Chain Management	3
MGMT 437	Quality Practices & Measurement	3

**HPER Area**

HPER 300	History and Philosophy of Sport	2
HPER 305	Kinesiology	3
HPER 310	Marketing in Fitness and Sport	3
HPER 315 & 315L	Exercise Physiology and Exercise Physiology Lab	4
HPER 400	Sport Governance	3
HPER 405	Biomechanics	3
HPER 410	Sport Law	3
HPER 415	Exercise Testing and Prescription	3

**AH Area**

AH 310	Applied Healthcare Statistics	3
AH 320	Healthcare Economics	3
AH 330	Principles of Epidemiology	3
AH 345	Healthcare Reimbursement	3
AH 400	Healthcare Finance	3
AH 415	Healthcare Strategic Management Policy	3
AH 420	Ethical and Legal Considerations of Healthcare	3
AH 430	Healthcare Quality Management	3
AH 435	Global Population Health	3
AH 440	Healthcare Research and Evaluation Methodologies	3