

# Information Technology

Student Name \_\_\_\_\_

Enrollment Date \_\_\_\_\_ Academic Year \_\_\_\_\_

Emplid \_\_\_\_\_ Scores: Math \_\_\_\_\_

Reading \_\_\_\_\_

Writing \_\_\_\_\_

## CERTIFICATE – A+ CERTIFICATION: 9 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 85 / Writing – 64	Cr Hr	Grade
<b>CIS 130 Microcomputer Applications</b> (or ET 107) <i>Prereq: (CIS 100 or equivalent) or Consent of Instructor</i>	3	
<b>IT 105 Computer Maintenance Essentials</b> <i>Prereq: Computer literacy &amp; placement in MAT 120 or MAT 125 or Consent of instructor</i>	3	
<b>IT 205 Advanced Computer Maintenance</b> <i>Prereq: IT 105 or Consent of Instructor (or (ET 232 and ET 234) or (CIS 110 and ET 234))</i>	3	

## CERTIFICATE – INFORMATION SECURITY: 15 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 85 / Writing – 64	Cr Hr	Grade
<b>IT 250 Introduction to Security</b> <i>Prereq: Consent of Instructor or (NIS 211 and IT 122) or NIS 213</i>	4	
<b>IT 252 Attacks and Exploits</b> <i>Prereq: IT 250 or Consent of Instructor</i>	4	
<b>IT 254 Firewalls and Perimeter Defense</b> <i>Prereq: IT 250 or Consent of Instructor</i>	4	
<b>IT 255 Computer Forensics</b> <i>Prereq: (IT 250 and an Operating System course) or Consent of Instructor</i>	3	

## CERTIFICATE – MICROSOFT NETWORKING MCSA TRACK: 16 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 85 / Writing – 64	Cr Hr	Grade
<b>GEN 100 Introduction to College</b> <i>No prerequisite</i>	1	
<b>NIS 160 Networking Core Technologies</b> <i>Prereq: (IT 105 or (ET 232 and ET 234)) or Consent of instructor</i>	3	
<b>NIS 211 Administering Microsoft Windows Professional: Topic</b> <i>Prereq: NIS 160 or IT 120 or IT 124 or Consent of Instructor</i>	3	
<b>NIS 213 Administering Microsoft Windows Server: Topic</b> <i>Prereq: NIS 160 or IT 120 or IT 124 or Consent of Instructor</i>	3	
<b>NIS 214 Supporting Windows Network Infrastructure Topic:</b> <i>Prereq: NIS 213 or Consent of Instructor</i>	3	
<b>NIS 216 Implementing and Administering Microsoft Windows Directory Services Topic</b> <i>Prereq: NIS 214 or Consent of Instructor</i>	3	

## CERTIFICATE – INFORMATION TECHNOLOGY FUNDAMENTALS: 25 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 85 / Writing – 64	Cr Hr	Grade
<b>GEN 100 Introduction to College</b> (No prerequisite)	1	
<b>CIS 120 Program Design and Development</b> <i>Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor</i>	3	
<b>CIS 130 Microcomputer Applications</b> (or ET 107) <i>Prereq: (CIS 100 or equivalent) or Consent of Instructor</i>	3	
<b>CIS 148 Visual BASIC I</b> <i>Prereq: CIS 120 or Consent of Instructor</i>	3	
<b>IT 105 Computer Maintenance Essentials</b> <i>Prereq: Computer literacy &amp; placement in MAT 120 or MAT 125 or Consent of instructor</i>	3	
<b>IT 205 Advanced Computer Maintenance</b> <i>Prereq: IT 105 or Consent of Instructor (or (ET 232 and ET 234) or (CIS 110 and ET 234))</i>	3	
<b>IT 132 Web Page Development</b> (or IT 130) <i>Prereq: Computer literacy course or Consent of Instructor</i>	3	
<b>IT 170 Introduction to Database Design</b> <i>Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor</i>	3	
<b>NIS 160 Networking Core Technologies</b> <i>Prereq: (IT 105 or (ET 232 and ET 234)) or Consent of instructor</i>	3	

## CERTIFICATE – WEB ADMINISTRATOR: 25 Total Credit Hours

Required Scores: Algebra – 31 / Reading – 85 / Writing – 64	Cr Hr	Grade
<b>GEN 100 Introduction to College</b> (No prerequisite)	1	
<b>CIS 120 Program Design and Development</b> <i>Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor</i>	3	
<b>IT 105 Computer Maintenance Essentials</b> <i>Prereq: Computer literacy &amp; placement in MAT 120 or MAT 125 or Consent of instructor</i>	3	
<b>IT 205 Advanced Computer Maintenance</b> <i>Prereq: IT 105 or Consent of Instructor (or (ET 232 and ET 234) or (CIS 110 and ET 234))</i>	3	
<b>IT 132 Web Page Development</b> <i>Prereq: Computer literacy course or Consent of Instructor</i>	3	
<b>IT 230 Advanced Web Page Development</b> <i>Prereq: (IT 132 and a scripting language) or Consent of Instructor</i>	3	
<b>NIS 152 Introduction to JavaScript</b> (or NIS 150) <i>Prereq: (CIS 120 and IT 132) or Consent of Instructor</i>	3	
<b>NIS 160 Networking Core Technologies</b> <i>Prereq: (IT 105 or (ET 232 and ET 234)) or Consent of instructor</i>	3	
<b>NIS 275 Internet Servers Administration</b> (or NIS 213) <i>Prereq: NIS 160 or ET 232 or CIS 110 or ET 234 or Consent of Instructor</i>	3	

## CERTIFICATE – MICROSOFT NETWORKING MCSE TRACK: 26 Total Credit Hours

Pre-Algebra–42 or Algebra–31 / Reading–85 / Writing–64	Cr Hr	Grade
<b>GEN 100 Introduction to College</b> <i>No prerequisite</i>	1	
<b>IT 250 Introduction to Security</b> <i>Prereq: (NIS 211 and IT 122) or NIS 213 or Consent of Instructor</i>	4	
<b>NIS 160 Networking Core Technologies</b> <i>Prereq: (IT 105 or (ET 232 and ET 234)) or Consent of instructor</i>	3	
<b>NIS 211 Administering Microsoft Windows Professional: Topic</b> <i>Prereq: NIS 160 or IT 120 or IT 124 or Consent of Instructor</i>	3	
<b>NIS 213 Administering Microsoft Windows Server: Topic</b> <i>Prereq: NIS 160 or IT 120 or IT 124 or Consent of Instructor</i>	3	
<b>NIS 214 Supporting Windows Network Infrastructure Topic:</b> <i>Prereq: NIS 213 or Consent of Instructor</i>	3	
<b>NIS 216 Implementing and Administering Microsoft Windows Directory Services Topic</b> <i>Prereq: NIS 214 or Consent of Instructor</i>	3	
<b>NIS 242 Designing a Windows Directory Services Infrastructure Topic:</b> (or NIS 245) <i>Prereq: (NIS 214 and NIS 216) or Consent of Instructor</i>	3	
<b>NIS 244 Designing a Windows Networking Services Infrastructure Topic:</b> <i>Prereq: (NIS 214 and NIS 216) or Consent of Instructor</i>	3	

**ASSOCIATE IN APPLIED SCIENCE DEGREE – INFORMATION TECHNOLOGY: NETWORK ADMINISTRATION OPTION MICROSOFT MCSA TRACK: (MICROSOFT NETWORKING MCSA TRACK CERTIFICATE (16 hours)) PLUS 6 hours Technical Electives PLUS 21 hours Technical Core PLUS 21-25 hours General Education Credit hours: 64-68 Total Credit Hours**

**ASSOCIATE IN APPLIED SCIENCE DEGREE – INFORMATION TECHNOLOGY: NETWORK ADMINISTRATION OPTION MICROSOFT MCSE TRACK: (MICROSOFT NETWORKING MCSE TRACK CERTIFICATE (26 hours)) PLUS 21 hours Technical Core PLUS 21-25 General Education credit hours): 68-72 Total Credit Hours**

Required Scores: Algebra – 36 / Reading – 85 / Writing – 74	Cr Hr	Grade
<b>General Education Core:</b>		
<b>Computer Literacy and/or course(s) to be chosen from the approved general education list</b> Computer Literacy: A student must pass an approved three (3) credit hour computer literacy course unless the computer competency exam is successfully completed Rec. CIS 100	0-3	
<b>ENG 101 Writing I</b> Prereq: Appropriate writing placement score or ENC 91	3	
<b>ENG 102 Writing II</b> Prereq: ENG 101	3	
<b>MAT 150 College Algebra</b> Prereq: 1. Math ACT score of 22 or above, 2. Math ACT score of 19- 21 with concurrent MAT 100 workshop, 3. Successful completion of Intermediate Algebra, MAT 126, or equivalent, or 4. KCTCS placement exam recommendation	3	
<b>Heritage / Humanities / Foreign Languages</b> Prereq: See Compass / ACT score requirement	3	
<b>Oral Communication</b> Prereq: See Compass / ACT score requirement	3	
<b>Science Course with Lab</b> Prereq: See Compass / ACT score requirement	3-4	
<b>Social Interaction</b> Prereq: See Compass / ACT score requirement	3	
<b>Technical Core:</b>		
<b>CIS 120 Program Design and Development</b> Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor	3	
<b>CIS 130 Microcomputer Applications</b> (or ET 107) Prereq: (CIS 100 or equivalent) or Consent of Instructor	3	
<b>CIS 148 Visual BASIC I</b> Prereq: CIS 120 or Consent of Instructor	3	
<b>IT 105 Computer Maintenance Essentials</b> Prereq: Computer literacy & placement in MAT 120 or MAT 125 or Consent of instructor <b>AND</b>	3	
<b>IT 205 Advanced Computer Maintenance</b> Prereq: IT 105 or Consent of Instructor (or (ET 232 and ET 234) or (CIS 110 and ET 234))	3	
<b>IT 132 Web Page Development</b> (or IT 130) Prereq: Computer literacy course or Consent of Instructor	3	
<b>IT 170 Introduction to Database Design</b> Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor	3	
<b>Technical Electives</b> Rec: IT 250 and IT 252	6	

Required Scores: Algebra – 36 / Reading – 85 / Writing – 74	Cr Hr	Grade
<b>General Education Core:</b>		
<b>Computer Literacy and/or course(s) to be chosen from the approved general education list</b> Computer Literacy: A student must pass an approved three (3) credit hour computer literacy course unless the computer competency exam is successfully completed Rec. CIS 100	0-3	
<b>ENG 101 Writing I</b> Prereq: Appropriate writing placement score or ENC 91	3	
<b>ENG 102 Writing II</b> Prereq: ENG 101	3	
<b>MAT 150 College Algebra</b> Prereq: 1. Math ACT score of 22 or above, 2. Math ACT score of 19- 21 with concurrent MAT 100 workshop, 3. Successful completion of Intermediate Algebra, MAT 126, or equivalent, or 4. KCTCS placement exam recommendation	3	
<b>Heritage / Humanities / Foreign Languages</b> Prereq: See Compass / ACT score requirement	3	
<b>Oral Communication</b> Prereq: See Compass / ACT score requirement	3	
<b>Science Course with Lab</b> Prereq: See Compass / ACT score requirement	3-4	
<b>Social Interaction</b> Prereq: See Compass / ACT score requirement	3	
<b>Technical Core:</b>		
<b>CIS 120 Program Design and Development</b> Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor	3	
<b>CIS 130 Microcomputer Applications</b> (or ET 107) Prereq: (CIS 100 or equivalent) or Consent of Instructor	3	
<b>CIS 148 Visual BASIC I</b> Prereq: CIS 120 or Consent of Instructor	3	
<b>IT 105 Computer Maintenance Essentials</b> Prereq: Computer literacy & placement in MAT 120 or MAT 125 or Consent of instructor <b>AND</b>	3	
<b>IT 205 Advanced Computer Maintenance</b> Prereq: IT 105 or Consent of Instructor (or (ET 232 and ET 234) or (CIS 110 and ET 234))	3	
<b>IT 132 Web Page Development</b> (or IT 130) Prereq: Computer literacy course or Consent of Instructor	3	
<b>IT 170 Introduction to Database Design</b> Prereq: Computer literacy course or MAT 120 or MAT 122 or Consent of Instructor	3	

Developmental Math	Cr Hr
<b>MAT 55 – Pre-Algebra</b> Compass score 24-41 in Pre-Algebra	3
<b>MAT 65 – Basic Algebra</b> Compass score 16-30 in Algebra	3
<b>MAT 120 – Intermediate Algebra</b> Compass score 31-35 in Algebra	3
<b>MAT 100 – College Algebra Workshop</b> Compass score 36-49 in Algebra / ACT 19-21 - enroll concurrent in College Algebra (MAT 150)	2
<b>Developmental Writing</b>	
<b>ENC 90 – Foundations of College Writing I</b> Compass score 26-38	3
<b>ENC 91 – Foundations of College Writing II</b> Compass score 39-73	3
<b>Developmental Reading</b>	
<b>RDG 20 – Improved College Reading</b> Compass score 49-69	3
<b>RDG 30 – Reading for the College Classroom</b> Compass score 70-82	3
<b>RDG 41 – Reading Laboratory</b> Compass score 83-84	1

**Developmental Courses:** Once students complete and pass a developmental course with a grade of 'C' or higher, they have the option of retesting or moving into the next level of developmental. Once students have completed and passed ALL levels of developmental, they can be placed into General Education courses, including College Algebra, and are not required to retest.

I have reviewed this advising sheet with my advisor and understand course requirements and preferred sequence of courses necessary to complete a credential. Also, I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

Student: \_\_\_\_\_

Advisor: \_\_\_\_\_

Date: \_\_\_\_\_