Computer & Information Technologies

Student Name _____

Enrollment Date _____ **Academic Year** _____

Emplid _____ **Scores:** **Math** _____ **Reading** _____ **Writing** _____

Progression in the Computer & Information Technologies program is contingent upon achievement of a grade of C or greater in each course and maintenance of a 2.0 cumulative grade point average or above (on a 4.0 scale).

CERTIFICATE – NET+: 4 Total Credit Hours

	Required Scores: Algebra–36 / Reading–70 / Writing–none	Cr Hr	Grade
	CIT 160 Intro to Networking Concepts *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	

CERTIFICATE - COMPUTER TECH BASIC: 11 Total Credit Hours

	Required Scores: Algebra–36 / Reading–70 / Writing–none	Cr Hr	Grade
	CIT 105 Introduction to Computers *Prereq: RDG 20 or Consent of Instructor*	3	
	CIT 111 Computer Hardware and Software *Prereq: (CIT 105 and MAT 65) or Consent of Instructor*	4	
	Recommended Level I Networking Course:		
	CIT 160 Intro to Networking Concepts (or CIT 161 or CIT 162) *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	

CERTIFICATE – PRODUCTIVITY SOFTWARE SPECIALIST: 12 Total Credit Hours

	Required Scores: Algebra–none/Reading–70/Writing–none	Cr Hr	Grade
	CIT 105 Introduction to Computers *Prereq: RDG 20 or Consent of Instructor*	3	
	CIT 130 Productivity Software *Prereq: (CIT 105 or OST 105 or IMD 100) or Consent of Instructor*	3	
	CIT 234 Advanced Productivity Software *Prereq: CIT 130 or Consent of Instructor*	3	
	CIT 236 Adv Data Organization Software *Prereq: CIT 130 or Consent of Instructor*	3	

CERTIFICATE - COMPUTER SUPPORT TECHNICIAN: 16 Total Credit Hours

	Required Scores: Algebra–36 / Reading–70 / Writing–none	Cr Hr	Grade
	CIT 111 Computer Hardware and Software *Prereq: (CIT 105 and MAT 65) or Consent of Instructor*	4	
	CIT 130 Productivity Software *Prereq: (CIT 105 or OST 105 or IMD 100) or Consent of Instructor*	3	
	CIT 232 Help Desk Operations *Prereq: CIT 105 or Consent of Instructor*	3	
	CIT 234 Advanced Productivity Software *Prereq: CIT 130 or Consent of Instructor*	3	
	CIT 236 Adv Data Organization Software *Prereq: CIT 130 or Consent of Instructor*	3	

CERTIFICATE – MICROSOFT NETWORK ADMINISTRATOR: 19 Total Credit Hours

	Required Scores: Algebra – 36 / Reading – 80 / Writing – 64	Cr Hr	Grade
	CIT 213 Microsoft Client Configuration *Prereq: (CIT 111 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	CIT 214 Server Infrastructure Admin (or CIT 262) *Prereq: (CIT 111 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	CIT 215 Microsoft Server Administration *Prereq: CIT 214*	3	
	CIT 216 Microsoft Server Advanced Services *Prereq: CIT 214*	3	
	Recommended Level I Networking Course:		
	CIT 160 Intro to Networking Concepts (or CIT 161 or CIT 162) *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	
	Recommended Approved CIT Technical Course:		
	CIT 217 UNIX/Linux Administration *Prereq: (CIT 111 and CIT 160) or Consent of Instructor*	3	

CERTIFICATE – CIT FUNDAMENTALS: 26 Total Credit Hours

	Required Scores: Algebra – 36 / Reading – 80 / Writing – 64	Cr Hr	Grade
	CIT 105 Introduction to Computers *Prereq: RDG 20 or Consent of Instructor*	3	
	CIT 111 Computer Hardware and Software *Prereq: (CIT 105 and MAT 65) or Consent of Instructor*	4	
	CIT 120 Computational Thinking *Prereq: (CIT 105 or OST 105 or IMD 100) and (MAT 85 or MAT 126) or Consent of Instructor*	3	
	CIT 150 Internet Technologies (or CIT 155 or CIT 157) *Prereq: (CIT 105 and CIT 120) or Consent of Instructor*	3	
	CIT 170 Database Design Fundamentals *Prereq: (CIT 105 or OST 105 or IMD 100) and (MAT 85 or MAT 126) or Consent of Instructor*	3	
	CIT 180 Security Fundamentals *Prereq: (CIT 105 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	Recommended Approved Level I Networking Course:		
	CIT 160 Intro to Networking Concepts (or CIT 161) *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	
	Recommended Approved Level I Programming Language:		
	CIT 149 Java I *Prereq: CIT 120 or Consent of Instructor*	3	

CERTIFICATE – SECURITY+: 3 Total Credit Hours

	Required Scores: Algebra–36 / Reading–70 / Writing–none	Cr Hr	Grade
	CIT 180 Security Fundamentals *Prereq: (CIT 105 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	

CERTIFICATE – A+: 4 Total Credit Hours

	Required Scores: Algebra–36 / Reading–70 / Writing–none	Cr Hr	Grade
	CIT 111 Computer Hardware and Software *Prereq: (CIT 105 and MAT 65) or Consent of Instructor*	4	

CERTIFICATE - PROGRAMMING: 12 Total Credit Hours

	Required Scores: Algebra-36/Reading-none/Writing-none	Cr Hr	Grade
	CIT 120 Computational Thinking *Prereq: (CIT 105 or OST 105 or IMD 100) and (MAT 85 or MAT 126) or Consent of Instructor*	3	
	Recommended Approved Level I Programming Language:		
	CIT 149 Java I *Prereq: CIT 120 or Consent of Instructor*	3	
	Recommended Approved Level II Programming Language:		
	CIT 249 Java II *Prereq: CIT 149 or Consent of Instructor*	3	
	Recommended Approved Level I, II or III Programming Language:		
	CIT 171 SQL I *Prereq: CIT 120 or Consent of Instructor*	3	

CERTIFICATE – COMPUTER TECHNICIAN: 14 Total Credit Hours

	Required Scores: Algebra–36 / Reading–70 / Writing–none	Cr Hr	Grade
	CIT 105 Introduction to Computers *Prereq: RDG 20 or Consent of Instructor*	3	
	CIT 111 Computer Hardware and Software *Prereq: (CIT 105 and MAT 65) or Consent of Instructor*	4	
	CIT 180 Security Fundamentals *Prereq: (CIT 105 and (CIT 160 or CIT 161 or CIT 162)) or Consent of Instructor*	3	
	Recommended Approved Level I Networking Course:		
	CIT 160 Intro to Networking Concepts (or CIT 161) *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	

CERTIFICATE – INFORMATION SECURITY SPECIALIST: 19 Total Credit Hours

	Required Scores: Algebra – 36 / Reading – 80 / Writing – 64	Cr Hr	Grade
	CIT 180 Security Fundamentals *Prereq: (CIT 105 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	CIT 182 Perimeter Defense *Prereq: CIT 180 or Consent of Instructor*	3	
	CIT 184 Attacks and Exploits *Prereq: CIT 180 or Consent of Instructor*	3	
	Recommended Level I Networking Course:		
	CIT 160 Intro to Networking Concepts (or CIT 161) *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	
	Recommended Approved Security/Network Admin Elective Courses:		
	CIT 284 Computer Forensics *Prereq: CIT 180 or Consent of Instructor*	3	
	CIT 288 Network Security *Prereq: (CIT 180 and Level 1 Network Technologies Specialization Sequence) or Consent of Instructor*	3	

CERTIFICATE – WEB PROGRAMMING: 24 Total Credit Hours

	Required Scores: Algebra – 36 / Reading – 80 / Writing – 64	Cr Hr	Grade
	CIT 120 Computational Thinking *Prereq: (CIT 105 or OST 105 or IMD 100) and (MAT 85 or MAT 126) or Consent of Instructor*	3	
	CIT 150 Internet Technologies *Prereq: (CIT 105 and CIT 120) or Consent of Instructor*	3	
	CIT 155 Web Page Development *Prereq: CIT 105 or Consent of Instructor*	3	
	CIT 157 Web Site Design and Production *Prereq: CIT 105 or Consent of Instructor*	3	
	CIT 171 SQL I *Prereq: CIT 120 or Consent of Instructor*	3	
	CIT 253 Data Driven Web Pages: Topic *Prereq: (CIT 150 and CIT 170 and Approved Level I Programming Language) or Consent of Instructor*	3	
	Recommended Approved Level I Web Programming Language:		
	CIT 149 Java I *Prereq: CIT 120 or Consent of Instructor*	3	NOT web prgm course
	Recommended Approved Level II Web Programming Language:		
	CIT 249 Java II *(Prereq: CIT 149 or Consent of Instructor)*	3	

ASSOCIATE IN APPLIED SCIENCE DEGREE – COMPUTER & INFORMATION TECHNOLOGIES:

	Required Scores: Algebra – 31 / Reading – 85 / Writing – 74	Cr Hr	Grade
	General Education Core:		
	ENG 101 Writing I *Prereq: Appropriate writing placement score or ENC 91*	3	
	MAT 150 College Algebra (or MAT 126 or higher level quantitative reasoning course) *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	
	Heritage / Humanities Course *Prereq: See Compass / ACT score requirement*	3	
	Natural Sciences Course *Prereq: See Compass / ACT score requirement*	3	
	Social / Behavioral Sciences Course *Prereq: See Compass / ACT score requirement*	3	
	Technical Core:		
	CIT 105 Introduction to Computers *Prereq: RDG 20 or Consent of Instructor*	3	
	CIT 111 Computer Hardware and Software *Prereq: (CIT 105 and MAT 65) or Consent of Instructor*	4	

		Cr Hr	Grade
	CIT 120 Computational Thinking *Prereq: (CIT 105 or OST 105 or IMD 100) and (MAT 85 or MAT 126) or Consent of Instructor*	3	
	CIT 150 Internet Technologies (or CIT 155 or CIT 157) *Prereq: (CIT 105 and CIT 120) or Consent of Instructor*	3	
	CIT 170 Database Design Fundamentals *Prereq: (CIT 105 or OST 105 or IMD 100) and (MAT 85 or MAT 126) or Consent of Instructor*	3	
	CIT 180 Security Fundamentals *Prereq: (CIT 105 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	CIT 291 CIT Capstone *Prereq: 36 credit hours of CIT courses or Consent of Instructor*	3	
	Recommended Level I Networking Course:		
	CIT 160 Intro to Networking Concepts *Prereq: MAT 65 or Consent of Instructor* *Prereq or Coreq: CIT 111 or Consent of Instructor*	4	
	Recommended Approved Level I Programming Language Course:		
	CIT 149 Java I *Prereq: CIT 129 or Consent of Instructor*	3	

INFORMATION SECURITY TRACK: General Education Core (15 credit hours) PLUS Technical Core (29 hours) PLUS 24 additional credit hours under Information Security Track: 68 Total Credit Hours

	Information Security Track:	Cr Hr	Grade
	CIT 182 Perimeter Defense *Prereq: CIT 180 or Consent of Instructor*	3	
	CIT 184 Attacks and Exploits *Prereq: CIT 180 or Consent of Instructor*	3	
	CIT 217 UNIX/Linux Administration *Prereq: (CIT 111 and CIT 160) or Consent of Instructor*	3	
	Recommended Approved Network Elective Courses:		
	CIT 213 Microsoft Client Configuration *Prereq: (CIT 111 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	

		Cr Hr	Grade
	CIT 214 Server Infrastructure Admin (or CIT 262) *Prereq: (CIT 111 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	Recommended Approved Security Elective Course:		
	CIT 284 Computer Forensics *Prereq: CIT 180 or Consent of Instructor*	3	
	Recommended Approved Technical Courses:		
	CIT 215 Microsoft Server Administration *Prereq: CIT 214*	3	
	CIT 216 Microsoft Server Advanced Services *Prereq: CIT 214*	3	

NETWORK ADMINISTRATION TRACK: General Education Core (15 credit hours) PLUS Technical Core (29 hours) PLUS 20 - 24 additional credit hours under Network Administration Track: 64 - 68 Total Credit Hours

	Microsoft Windows Administration Specialization Sequence:	Cr Hr	Grade
	CIT 213 Microsoft Client Configuration *Prereq: (CIT 111 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	CIT 214 Server Infrastructure Admin (or CIT 262) *Prereq: (CIT 111 and (CIT 160 or CIT 161)) or Consent of Instructor*	3	
	CIT 215 Microsoft Server Administration *Prereq: CIT 214*	3	
	CIT 216 Microsoft Server Advanced Services *Prereq: CIT 214*	3	

	Recommended Approved CIT Technical Courses:	Cr Hr	Grade
	CIT 171 SQL I *Prereq: CIT 120 or Consent of Instructor*	3	
	CIT 182 Perimeter Defense *Prereq: CIT 180 or Consent of Instructor*	3	
	CIT 184 Attacks and Exploits *Prereq: CIT 180 or Consent of Instructor*	3	
	CIT 217 UNIX/Linux Administration *Prereq: (CIT 111 and CIT 160) or Consent of Instructor*	3	

PROGRAMMING TRACK: General Education Core (15 credit hours) PLUS Technical Core (29 hours) PLUS 24 additional credit hours under Programming Track: 68 Total Credit Hours

		Cr Hr	Grade
	CIT 130 Productivity Software *Prereq: (CIT 105 or OST 105 or IMD 100) or Consent of Instructor*	3	
	Recommended Approved CIT Technical Courses:		
	CIT 171 SQL I *(Prereq: CIT 120 or Consent of Instructor)*	3	
	CIT 217 UNIX/Linux Administration *Prereq: (CIT 111 and CIT 160) or Consent of Instructor*	3	
	Programming Software Development Specialization Sequence:		
	CIT 253 Data Driven Web Pages: Topic *Prereq: (CIT 150 and CIT 170 and Approved Level I Programming Language) or Consent of Instructor*	3	

		Cr Hr	Grade
	Recommended Approved Level I Programming Language:		
	CIT 141 PHP I *(Prereq: CIT 120 or Consent of Instructor)*	3	
	Recommended Approved Level II Programming Language:		
	CIT 241 PHP II *(Prereq: CIT 141 or Consent of Instructor)*	3	
	CIT 249 Java II *(Prereq: CIT 149 or Consent of Instructor)*	3	
	Recommended Approved Level I, II or III Programming Language:		
	CIT 147 Programming I: Language (Topic: Python 1) *Prereq: CIT 120 or Consent of Instructor*	3	

	Developmental Math	Cr Hr
	MT 010 – KYAE Math *(Compass score 0-23 in Pre-Algebra)*	0
	MT 50 – Developmental Math Workshop **AND** **MAT 65 – Basic Algebra** *Compass score 24-41 in Pre-Algebra* (or MAT 55)	1-2 3
	MAT 65 – Basic Algebra *(Compass score 16-30 in Algebra)*	3
	MAT 85 – Intermediate Algebra (*Compass score 31-35 in Algebra)*	3
	MAT 100 – College Algebra Workshop *Compass score 36-49 in Algebra / ACT 19-21 -enroll concurrent in College Algebra (MAT 150)*	2
	Developmental Writing	
	EN 010 – KYAE English *(Compass score 26-38)*	0
	ENG 100 – English Workshop **AND** **ENG 101 – Writing I** *Compass score 39-73* (or ENC 91)	2 3
	Developmental Reading	
	RD 010 – KYAE Reading *(Compass score 49-69)*	0
	RDG 100 – Reading Workshop **AND** **Pre-Selected General Education Course** *Compass score 70-82* (or RDG 30)	2 3
	RDG 41 – Reading Laboratory *(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.*

College Success Courses As Needed: *It is strongly recommended that students complete a college success course. If a student is advised into two or three developmental education courses, it is strongly recommended they enroll in the 3 credit hour college success course.*

	College Success Courses	Cr Hr
	GEN 100 Introduction to College *No prerequisite*	1
	GEN 102 Foundations of Learning *No prerequisite*	3

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:_____ Date: _____

Advisor:_____ Date: _____