

## A 25 59 0 SA Information Technology: Systems Administration and Support – A.A.S.

First Year Fall Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
ENG 111 Writing & Inquiry	Pre-Requisites: ENG 002 Tier 1 Co-Requisites: ENG 011	3			3	3
CIS 110 Introduction to Computers <b>OR</b> CIS 111 Basic PC Literacy	Pre-Requisites for CIS 110: ENG 002 Tier 1 and MAT 003 Tier 1  Pre-Requisites for CIS 111: none	1-2	2		3-4	2-3
WBL 110 World of Work	Pre-Requisites: none	1			1	1
CTI 110 Web, Pgm, & DB Foundation	Pre-Requisites: none	2	2		4	3
CTS 115 Info Sys Business Concept	Pre-Requisites: ENG 002 Tier 1	3			3	3
CIS 115 Intro to Programming and Logic	Pre-Requisites: MAT 003 Tier 1	2	3		5	3
EGR 131 Intro to Electronics Tech	Pre-Requisites: none	1	2		3	2
<b>TOTAL SEMESTER HOURS</b>						<b>17-18</b>
First Year Spring Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
ENG 112 Writing/Research in the Disc	Pre-Requisites: ENG 111	3			3	3
MAT 143 Quantitative Literacy <b>OR</b> MAT 152 Statistical Methods I <b>OR</b> MAT 171 Pre-calculus Algebra	Pre-Requisites for MAT 143 and MAT 152: MAT 003 Tier 1 and ENG 002 Tier 1 Co-Requisites for MAT 143: MAT 043 Co-Requisites for MAT 152: MAT 052  Pre-Requisites for MAT 171: MAT 003 Tier 2 or MAT 143 or MAT 152 Co-Requisites for MAT 171: MAT 071	2-3	2		4-5	3-4
CTS 240 Project Management	Pre-Requisites: ENG 002 Tier 1, and CIS 110 or CIS 111	2	2		4	3
CTI 120 Network & Sec Foundation	Pre-Requisites: CIS 110 or CIS 111	2	2		4	3
NOS 110 Operating Systems Concepts	Pre-Requisites: CIS 110 or CIS 111	2	3		5	3
<b>TOTAL SEMESTER HOURS</b>						<b>15-16</b>

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CTS 120 Hardware/Software Support	Co-Requisites: CIS 110 or CIS 111	2	3		5	3
CTS 285 Systems Analysis & Design	Pre-Requisites: CIS 115 Co-Requisites: DBA 110	3			3	3
DBA 110 Database Concepts	Pre-Requisites: CIS 110 or CIS 111	2	3		5	3
NET 110 Networking Concepts	Pre-Requisites: CIS 110 or CIS 111	2	2		4	3
ART 111 Art Appreciation <b>OR</b> MUS 110 Music Appreciation <b>OR</b> PHI 240 Introduction to Ethics	Pre-Requisites for ART 111 or MUS 110: none  Pre-Requisites for PHI 240: ENG 111	3			3	3
PSY 150 General Psychology <b>OR</b> SOC 210 Introduction to Sociology <b>OR</b> ECO 251 Prin. of Microeconomics	Pre-Requisites for PSY 150: ENG 002 Tier 1  Pre-Requisites for SOC 210: ENG 002 Tier 1  Pre-Requisites for ECO 251: ENG 002 Tier 1 and MAT 003 Tier 1	3			3	3
<b>TOTAL SEMESTER HOURS</b>						<b>18</b>

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Second Year Spring Semester Course Number and Title	Pre-Requisites and Co-Requisites	Class Hours	Lab Hours	Clinical Hours	Total Contact Hours	Total Credit Hours
NOS 230 Windows Admin I	Pre-Requisites: NOS 110	2	2		4	3
NET 126 Switching and Routing	Pre-Requisites for NET 126: NET 110	1	4		5	3
DBA 120 Database Programming  OR  WBL111,WBL,112, WBL121,WBL 122, WBL131,WBL 132, Work-Based Learning	Pre-Requisite for DBA 120: DBA 110  Pre-requisites for WBL: None	2	2		4	1-3
CTS 220 Adv Hardware/Software Support	Pre-Requisites: CTS 120	2	3		5	3
CTS 289 System Support Project	Pre-Requisites: CTI 110, CTI 120, CTS 115, CTS 240 and CTS 285	1	4		5	3
NOS 120 Linux/Unix Single User	Pre-Requisites for NOS 120: CTS 220, CTI 130, or NOS 110	2	2		4	3
<b>TOTAL SEMESTER HOURS</b>						<b>16-18</b>
<b>TOTAL SEMESTER HOURS REQUIRED FOR ASSOCIATE DEGREE</b>						<b>66-70</b>

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