



**Lawson State Community College**  
**Dual Enrollment Pathways - Computer Science**

App Development - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
11th	Fall	ORI 101	Orientation	1
		CIS 149	Digital Literacy	3
	Spring	CIS 157	Introduction to App Development with Swift	3
12th	Summer	CIS 220	App Development with Swift I	3
	Fall	CIS 227	App Development with Swift II	3
	Spring		CIS Elective	3
<b>Total Credit Hours</b>				<b>16</b>

Desktop Support - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 146	Computer Applications	3
	Spring	CIS 147	Advanced Computer Applications	3
11th	Summer	CIS 149	Digital Literacy	3
	Fall	CIS 199	Network Communications	3
	Spring	CIS	CIS Elective	3
12th	Fall	CIS 268	Software Support	3
		CIS 269	Hardware Support	3
	Spring		CIS Elective	3
<b>Total Credit Hours</b>				<b>25</b>

Cloud Computing - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 149	Digital Literacy	3
	Spring	CIS 238	Cloud Computing: Infrastructure & Services	3
11th	Summer	CIS 207	Web Development	3
	Fall	CIS 199	Network Communications	3
	Spring	CIS 202	Python Programming	3
12th	Summer	CIS 171	Linux I	3
	Fall	CIS 146	Computer Applications	3
		CIS 267	Enterprise Virtualization	3
	Spring	CIS 280	Network Security	3
<b>Total Credit Hours</b>				<b>28</b>

Networking - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 199	Network Communications	3
	Spring	CIS 149	Digital Literacy	3
11th	Fall	CIS 269	Hardware Support	3
		CIS 268	Software Support	3
	Spring	CIS 270	CISCO I	3
12th	Summer	CIS 271	CISCO II	3
	Fall	CIS 272	CISCO III	3
	Spring	CIS 280	Network Security	3
<b>Total Credit Hours</b>				<b>25</b>

Computer Applications - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 146	Computer Applications	3
	Spring	CIS 147	Advanced Computer Applications	3
11th	Fall	CIS 149	Digital Literacy	3
	Spring	CIS 201	Introduction to Computer Programming	3
12th	Summer	CIS 207	Web Development	3
	Fall		CIS Elective	3
	Spring		BUS or CIS Elective	3
<b>Total Credit Hours</b>				<b>22</b>

Programming - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 201	Introduction to Computer Programming	3
	Spring	CIS 202	Python Programming	3
11th	Fall	CIS 212	Visual Basic Programming	3
	Spring	CIS 149	Digital Literacy	3
12th	Summer	CIS 285	Object Oriented Programming	3
	Fall	CIS 255	Java Programming	3
	Spring	CIS 222	Database Management Systems	3
<b>Total Credit Hours</b>				<b>22</b>

Cybersecurity - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 149	Digital Literacy	3
	Spring	CIS 201	Introduction to Computer Programming	3
11th	Fall	CIS 199	Network Communications	3
	Spring	CIS 270	CISCO I	3
		CIS 214	Security Analysis	3
12th	Summer	CIS 211	Principles of Information Assurance	3
	Fall	CIS 246	Ethical Hacking	3
	Spring	CIS 280	Network Security	3
		CIS 282	Computer Forensics	3
<b>Total Credit Hours</b>				<b>28</b>

Web Technology - Short Certificate				
Grade	Semester	Course ID	Course Title	Credit Hours
10th	Fall	ORI 101	Orientation	1
		CIS 149	Digital Literacy	3
	Spring	CIS 201	Introduction to Computer Programming	3
11th	Fall		CIS Elective	3
	Spring	CIS 146	Computer Applications	3
12th	Summer	CIS 207	Web Development	3
	Fall	CIS 209	Advanced Web Development	3
	Spring	CIS 280	Network Security	3
<b>Total Credit Hours</b>				<b>22</b>

***Start Here. Go Anywhere.***