MODEL ROUTE

School:	School of Engineering Technology and Applied Science	**Program Number:**	3229
Program Title:	**Internet of Things: System Architecture and Integration**	**Credential:**	☐ Certificate ☑ Graduate Certificate ☐ Degree ☐ Diploma ☐ Advanced Diploma ☐ Centennial College Certificate
Program Delivery Mode:	☐ Co-Op ☐ Online ☐ Fast Track ☐ Hybrid ☑ Non Co-op	**Duration :**	☐ 1 Semesters ☐ 4 Semesters ☐ 2 Semesters ☐ 6 Semesters ☑ 3 Semesters ☐ 8 Semesters
Campus:	**PROGRESS**	**Department Code:**	**3613**
Intake:	**Fall 2023**		

Course Code	Course Title	Co/Pre Requisite (Course Code)	Lab Hours	Lecture Hours	Field Placement Hours	Course Delivery ODL=Online BLD=Blended HYB = Hybrid	Total Course Hrs (Lab + Lecture + Field)	Weeks (14)	Total Hours
Semester 1	**Fall 2023**								
IOTH701	Introduction to IoT		2	0			2	14	28
IOTH702	IoT Electronic Circuits and Devices		4	2			6	14	84
IOTH703	Programming for IoT		2	2			4	14	56
IOTH704	IoT Infrastructure		2	2			4	14	56
IOTH705	Cloud IoT Platforms		2	2			4	14	56
							Total		280
Semester 2	**Winter 2024**								
IOTH721	Advanced IoT Programming	P=IOTH703	2	2			4	14	56
IOTH722	Introduction to AI	P=IOTH703	2	2			4	14	56
IOTH723	Big Data in the IoT	P=IOTH703	2	2			4	14	56
IOTH724	IoT Security	P=IOTH703 and IOTH704	2	2			4	14	56
IOTH725	IoT Capstone Project 1	P=IOTH701 and IOTH702 and IOTH703 and IOTH704 and IOTH705	2	2			4	14	56
							Total		280
Semester 3	**Summer 2024**								
IOTH731	Application of AI to IoT	P=IOTH722	2	1			3	14	42
IOTH732	Storage and Virtualization	P=IOTH704 and IOTH705	2	1			3	14	42
IOTH733	Connectivity and Mobility	P=IOTH704 and IOTH705	2	1			3	14	42
IOTH734	System Integration	P=IOTH721 and IOTH722 and IOTH723 and IOTH724 and IOTH725	2	1			3	14	42
IOTH735	IoT Capstone Project 2	P=IOTH725	6	2			8	14	112
							Total		280
Minimum Grade Required: D									
							Total Program Hours:		**840**

C = Co-Requisite; P = Pre-Requisite

Notes:

◈This course may be offered in one of the following modalities (Online, Hybrid or Blended)