

Program of Study Report

Term Code: 202443

Program: All

Division: FQ

Report Output: pdf

AI Analysis, Design & Impl WT (AIDW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
AIDW-SEM1							
STUDIES IN ARTIFICIAL INTELLIGENCE		AIDI 1000			3	0	
VISUALISATION AND DATA STORYTELLING		AIDI 1001			0	3	
AI ALGORITHMS I		AIDI 1002			2	2	
CAPSTONE TERM I		AIDI 1003			4	0	
INTRODUCTION TO AI DEVELOPMENT		AIDI 1100			2	2	
APPLIED MATHEMATICS FOR AI SYSTEMS		MATH 1111			3	0	
					14	7	
AIDW-SEM2							
APPLIED MACHINE LEARNING AND ADVANCED AI SYSTEMS		AIDI 2000	AIDI 1002, AIDI 1100, MATH 1111		2	2	
KNOWLEDGE AND EXPERT SYSTEMS		AIDI 2001	AIDI 1000, AIDI 1100		3	0	
CAREERS AND DIGITAL PORTFOLIO		AIDI 2002			3	0	
CONSULTING AND PROFESSIONAL COMMUNICATIONS		AIDI 2003	AIDI 1001		3	0	
AI IN ENTERPRISE SYSTEMS		AIDI 2004	AIDI 1000, AIDI 1100		2	2	
CAPSTONE TERM II		AIDI 2005	AIDI 1003		4	0	
					17	4	
AIDW-SEM W							
Work Term 1		AIDW 1000	SPEC 0000		0	0	420
					0	0	420

AI Analysis, Design and Implmn (AIDI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
AIDI-SEM1							
STUDIES IN ARTIFICIAL INTELLIGENCE		AIDI 1000			3	0	
VISUALISATION AND DATA STORYTELLING		AIDI 1001			0	3	
AI ALGORITHMS I		AIDI 1002			2	2	
CAPSTONE TERM I		AIDI 1003			4	0	
INTRODUCTION TO AI DEVELOPMENT		AIDI 1100			2	2	
APPLIED MATHEMATICS FOR AI SYSTEMS		MATH 1111			3	0	
					14	7	
AIDI-SEM2							
APPLIED MACHINE LEARNING AND ADVANCED AI SYSTEMS		AIDI 2000	AIDI 1002, AIDI 1100, MATH 1111		2	2	
KNOWLEDGE AND EXPERT SYSTEMS		AIDI 2001	AIDI 1000, AIDI 1100		3	0	
CAREERS AND DIGITAL PORTFOLIO		AIDI 2002			3	0	
CONSULTING AND PROFESSIONAL COMMUNICATIONS		AIDI 2003	AIDI 1001		3	0	
AI IN ENTERPRISE SYSTEMS		AIDI 2004	AIDI 1000, AIDI 1100		2	2	
CAPSTONE TERM II		AIDI 2005	AIDI 1003		4	0	
					17	4	

Architecture Technology (ARHY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ARHY-SEM1							
ARCHITECTURAL CAD I		ATAC 1132			0	3	
ARCHITECTURAL DRAFTING AND DETAILING I		ATAD 1131			0	5	
CONSTRUCTION MATERIAL AND PROCESSES I		ATCM 1133			2	1	
ONTARIO BUILDING CODE AND OCCUPATIONAL HEALTH AND SAFETY ACT		ATOB 4135			2	0	1
Communication Foundations		COMM 1100			2	0	1
HISTORY OF ARCHITECTURE		HIST 1130			3	0	
MATHEMATICS FOR ARCHITECTURE		MATH 1161			4	0	
					13	9	2
ARHY-SEM2							
ARCHITECTURAL CAD II		ATAC 2132	ATAC 1132, ATAD 1131		0	3	
ARCHITECTURAL DRAFTING AND DETAILING II		ATAD 2131	ATAC 1132, ATAD 1131		0	5	
APPLIED MATHEMATICS FOR ARCHITECTURE		ATAM 2135	MATH 1161		3	0	
CONSTRUCTION MATERIALS AND PROCESSES II		ATCM 3133	ATCM 1133, ATOB 4135		2	1	
BUILDING AS A SYSTEM AND BUILDING SCIENCE		BULD 1000	ATCM 1133, MATH 1161		2	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					10	11	

Architecture Technology (ARHY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ARHY-SEM3							
ARCHITECTURAL DRAFTING AND DETAILING III		ATAD 3131	ATAD 2131		0	6	
BUILDING INFORMATION MODELLING I		ATBI 3135	ATAC 2132, ATAD 2131	ATBS 2134	0	4	
BUILDING SERVICES AND ENVIRONMENTAL SYSTEMS		ATBS 2134	BULD 1000		4	0	
CONSTRUCTION MATERIALS AND PROCESSES III		ATCM 4134	ATCM 3133		2	1	
Project Estimating		ATPE 3132	ATAM 2135		3	0	
STRUCTURES I		ATST 2133	ATAM 2135, ATOB 4135		3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					15	11	
ARHY-SEM4							
ARCHITECTURAL DRAFTING AND DETAILING IV		ATAD 4133	ATAD 3131		0	5	
BUILDING INFORMATION MODELLING II		ATBI 4132	ATBI 3135		0	3	
LAND USE AND SITE ANALYSIS AND PLANNING		ATLU 3136	ATBS 2134, ATCM 1133		3	0	
STRUCTURES II		ATST 3134	ATST 2133		3	0	
Career Planning & Development		CARR 2130			2	0	1
Modern Architecture: History and Theory		HIST 2600			3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					14	8	1

Architecture Technology (ARHY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ARHY-SEM5							
ARCHITECTURAL PROJECT I		ATAP 5131	ATAD 4133, ATCM 4134		2	0	6
BUILDING INFORMATION MODELLING III		ATBI 6134	ATBI 4132		0	4	
PRINCIPLES OF PROJECT MANAGEMENT		ATPP 5133	ATPE 3132		2	0	
PRESERVATION, REHABILITATION AND RESTORATION OF HERITAGE BUILDINGS		ATPR 5132	ATBI 4132, ATCM 4134		2	0	
WRITING CONSTRUCTION SPECS		ATWC 5134	ATCM 4134, COMM 1100		3	0	
DESIGN CONCEPTS FOR SUSTAINABLE BUILDING 1		EMDC 3000	ATCM 4134		3	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
					12	4	86
ARHY-SEM6							
ARCHITECTURAL PROJECT II		ATAP 6133	ATAP 5131, ATBI 6134, ATPR 5132		2	0	6
ADMINISTRATION OF CONSTRUCTION CONTRACTS		ATCC 6132	ATOB 4135		2	0	
DESIGN OPTIONS EVALUATION		ATDO 6131	ATAP 5131		3	0	
DESIGN CONCEPTS FOR SUSTAINABLE BUILDING II		EMDC 5010	EMDC 3000		3	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
PRESENTATION AND PORTFOLIO DEVELOPMENT		PORT 5304	ATBI 6134	ATAP 6133	2	0	
					12	0	86

Biomedical Eng Technology (BMTY)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
BMTY-SEM1							
Anatomy and Physiology		ANAT 1101			3	0	
Introduction to Biomedical Engineering Technology		BENG 1100			3	0	
Communication Foundations		COMM 1100			2	0	1
Digital Fundamentals		DGFN 1131			2	2	
Electricity I		ELEC 1131			3	2	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
					19	4	1
BMTY-SEM2							
Biomedical Terms and Devices 1		BENG 1200	ANAT 1101		2	2	
Electronic Circuits I		CIRE 1131	ELEC 1131		2	2	
Programming for Biomedical Technology		COSC 1210	DGFN 1131		0	2	
Digital Fundamentals II		DGFN 2131	DGFN 1131		2	2	
Electricity II		ELEC 2131	ELEC 1131		2	2	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
					12	10	
BMTY-SEM3							
Biomedical Terms and Devices 2		BENG 2100	BENG 1200		2	2	
Microprocessors 1		BENG 2101	DGFN 2131		1	2	
Electronic Circuits II		CIRE 2132	CIRE 1131		3	2	
Computers and Networking 1		COMP 2116			2	2	
Electronic Design Automation for Biomedical		ELET 2100	ELEC 2131		0	3	
General Elective Credit	OPT1	GNED 0000			3	0	
					11	11	

Biomedical Eng Technology (BMTY)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
BMTY-SEM4							
Biomedical Terms and Devices 3		BENG 2200	BENG 2100		2	2	
Electronic Circuits III		CIRE 3132	CIRE 2132		2	2	
Computers and Networking 2		COMP 2208	COMP 2116		2	2	
Electrical Controls for Biomedical Technology		ELET 2200	ELET 2100		2	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					11	8	
BMTY-SEM5							
Dialysis 1		BENG 3100	BENG 2200		2	2	
Biomedical Instrumentation 1		BENG 3101	BENG 2200, CIRE 3132, DGFN 2131		2	3	
Medical Imaging Systems 1		BENG 3102	CIRE 3132		2	2	
Safety Standards and Risk Management		BENG 3103	BENG 2200		4	0	
Biomedical Technology Management		MGMT 3106	BENG 2200		2	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					15	7	
BMTY-SEM6							
Customer Service and Support		BENG 3200	BENG 2200		2	0	1
Dialysis 2		BENG 3201	BENG 3100		2	2	
Biomedical Instrumentation 2		BENG 3202	BENG 3101		2	3	
Medical Imaging Systems 2		BENG 3203	BENG 3102		2	2	
Field Placement and Report		BMTY 3200	BENG 2200, BENG 3102, BENG 3103	BENG 3200, BENG 3201, BENG 3202, BENG 3203, COMM 3205	0	0	300
Career Planning and Development for Biomed		COMM 3205			2	0	1
					10	7	302

Biotechnology - Adv Fast Track (BTYF)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
BTYF-SEM1							
Introductory Microbiology		BIOL 2100	BIOL 1131		2	2	1
PROTEIN TECHNIQUES		BIOT 4133	BIOC 3131, BIOT 1131		1	4	
CELL BIOLOGY		BIOT 5131	BIOT 3131		2	2	
Fundamentals of Analytical and Organic Chemistry		CHEM 1133		CHEM 3105	0	0	1
Spectroscopy 1		CHEM 3105	CHEM 2206		2	2	
Chromatography 1		CHEM 3106	CHEM 2206		2	2	
					9	12	2
BTYF-SEM2							
Industrial Microbiology		BIOL 3201	BIOL 3105		2	2	1
DNA TECHNIQUES		BIOT 3131	BIOL 2100, BIOT 1131		1	4	
Bio-regulations		BIOT 4131		BIOT 6131	3	0	
Quality Control & Quality Assurance for Biotechnologists		BIOT 5132	BIOT 1131, MATH 2132	BIOT 4131	3	0	
BIO-PROCESSING		BIOT 6131	BIOT 4133		1	3	
Spectroscopy 2		CHEM 3201	CHEM 3105		2	2	
Chromatography 2		CHEM 3202	CHEM 3105, CHEM 3106		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
					14	13	81

Biotechnology - Advanced (BITY)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
BITY-SEM1							
Biology		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		CHEM 1200	3	3	
Analytical Techniques		CHEM 1200			1	2	
Communication Foundations		COMM 1100			2	0	1
Mathematics		MATH 1132			3	0	
Indigenous Elective	OPT1	INDG 0000			3	0	
					14	7	1
BITY-SEM2							
INTRODUCTION TO BIOTECHNOLOGY		BIOT 1131	BIOL 1131		3	0	
Organic Chemistry 1		CHEM 1202	TECH 1131		3	2	
Chemistry 2		CHEM 2131	CHEM 1131, CHEM 1200		2	3	
General Elective Credit		GNED 0000			3	0	
Mathematics 2		MATH 2132	MATH 1132		3	0	
					14	5	
BITY-SEM3							
BIOCHEMISTRY I		BIOC 3131	BIOL 1131, CHEM 1202, CHEM 2131		2	3	
Introductory Microbiology		BIOL 2100	BIOL 1131		2	2	1
Career Planning & Development		CARR 2130			2	0	1
Analytical Chemistry 1		CHEM 3131	CHEM 1200, CHEM 2131		2	3	
General Elective Credit		GNED 0000			3	0	
					11	8	2

Biotechnology - Advanced (BITY)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
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BITY-SEM4

BIOCHEMISTRY II		BIOC 4131	BIOC 3131		2	3	
Food Microbiology		BIOL 2205	MICR 1131		2	2	1
DNA TECHNIQUES		BIOT 3131	BIOL 2100, BIOT 1131		1	4	
Analytical Instrumentation		CHEM 2206	CHEM 1202, CHEM 2131		2	2	
Analytical Chemistry 2		CHEM 4131	CHEM 3131		2	3	
					9	14	1

BITY-SEM5

Diagnostic Microbiology		BIOL 3105	BIOL 2205		2	2	1
PROTEIN TECHNIQUES		BIOT 4133	BIOC 3131, BIOT 1131		1	4	
CELL BIOLOGY		BIOT 5131	BIOT 3131		2	2	
Spectroscopy 1		CHEM 3105	CHEM 2206		2	2	
Chromatography 1		CHEM 3106	CHEM 2206		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
					9	12	81

BITY-SEM6

Industrial Microbiology		BIOL 3201	BIOL 3105		2	2	1
Bio-regulations		BIOT 4131		BIOT 6131	3	0	
Quality Control & Quality Assurance for Biotechnologists		BIOT 5132	BIOT 1131, MATH 2132	BIOT 4131	3	0	
BIO-PROCESSING		BIOT 6131	BIOT 4133		1	3	
Spectroscopy 2		CHEM 3201	CHEM 3105		2	2	
Chromatography 2		CHEM 3202	CHEM 3105, CHEM 3106		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
					13	9	81

Chemical Engineering Tech (CHEM)

Weekly Breakdown

Course Name		Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CHEM-SEM1								
Chemistry 1			CHEM 1131		CHEM 1200	3	3	
Analytical Techniques			CHEM 1200			1	2	
Communication Foundations			COMM 1100			2	0	1
General Elective Credit			GNED 0000			3	0	
Mathematics for Technology I			MATH 1131			4	0	
Physical Science			PHYS 1131			3	0	
						16	5	1
CHEM-SEM2								
Organic Chemistry 1			CHEM 1202	TECH 1131		3	2	
Chemistry 2			CHEM 2131	CHEM 1131, CHEM 1200		2	3	
Electrical Control Fundamentals			ELEC 1133	MATH 1132		2	2	
General Elective Credit			GNED 0000			3	0	
Mathematics for Technology II			MATH 2131	STEM 1131		4	0	
Applied Mechanics			MECH 2103	PHYS 1131, STEM 1131		3	0	
						17	7	
CHEM-SEM3								
Organic Chemistry 2			CHEM 2106	CHEM 1200, CHEM 1202		2	3	
Analytical Chemistry 1			CHEM 3131	CHEM 1200, CHEM 2131		2	3	
Fluid Mechanics			FLUD 4131	MECH 2103		3	0	
Environmental Regulations			LAWW 2200			3	0	
Calculus			MATH 3132	MATH 2131		4	0	
PHYSICAL CHEMISTRY			PHYC 3100	CHEM 2131		2	2	
						16	8	

Chemical Engineering Tech (CHEM)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CHEM-SEM4							
Career Planning & Development		CARR 2130			2	0	1
Analytical Instrumentation		CHEM 2206	CHEM 1202, CHEM 2131		2	2	
Analytical Chemistry 2		CHEM 4131	CHEM 3131		2	3	
INDUSTRIAL CHEMISTRY		INDC 4100	PHYC 3100		2	2	
Statistical Methods in Quality Control		STAT 3136	STEM 1131		2	1	
Thermodynamics		THER 1101	FLUD 4131, MATH 3132		3	0	
					13	8	1
CHEM-SEM5							
APPLIED AUTOCAD		ACAD 1101			0	3	
Spectroscopy 1		CHEM 3105	CHEM 2206		2	2	
Chromatography 1		CHEM 3106	CHEM 2206		2	2	
MATERIALS		MATL 1000	INDC 4100		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
INDUSTRIAL WASTE		WAST 3131			3	0	
					9	9	80
CHEM-SEM6							
Spectroscopy 2		CHEM 3201	CHEM 3105		2	2	
Chromatography 2		CHEM 3202	CHEM 3105, CHEM 3106		2	2	
INDUSTRIAL CHEMICAL PROCESSES		INDC 6100	MATL 1000		3	2	
NUCLEAR PHYSICS		NUCL 5100	CHEM 2131, MATH 2131		3	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
Indigenous Elective	OPT1	INDG 0000			3	0	
					13	6	80

Chemical Laboratory Technician (CLBT)

Weekly Breakdown

Course Name		Mod Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CLBT-SEM1							
Biology		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		CHEM 1200	3	3	
Analytical Techniques		CHEM 1200			1	2	
Communication Foundations		COMM 1100			2	0	1
General Elective Credit		GNED 0000			3	0	
Mathematics		MATH 1132			3	0	
					14	7	1
CLBT-SEM2							
Organic Chemistry 1		CHEM 1202	TECH 1131		3	2	
Chemistry 2		CHEM 2131	CHEM 1131, CHEM 1200		2	3	
Introduction to Food Science		FOOD 1203	BIOL 1131		3	0	
Mathematics 2		MATH 2132	MATH 1132		3	0	
Indigenous Elective		OPT1 INDG 0000			3	0	
					14	5	
CLBT-SEM3							
Food Microbiology for Technicians		BIOL 2200	BIOL 1131		2	2	1
Analytical Instrumentation for Technicians		CHEM 2200	CHEM 1202, CHEM 2131		3	3	
Analytical Chemistry 1		CHEM 3131	CHEM 1200, CHEM 2131		2	3	
Food Safety		FOOD 2200	FOOD 1203		3	0	
Statistics for Science		STAT 2201	MATH 2132		0	2	1
					10	10	2

Chemical Laboratory Technician (CLBT)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CLBT-SEM4							
QA QC for Technicians		CHEM 2202	STAT 2201		2	2	
Sample Management		CHEM 2203	CHEM 3131, STAT 2201		2	2	
Analytical Chemistry 2		CHEM 4131	CHEM 3131		2	3	
Career Planning and Development		CLBT 2200	COMM 1100		2	0	1
General Elective Credit		GNED 0000			3	0	
Environmental Regulations		LAWW 2200			3	0	
					14	7	1

Civil Eng Technician Co-op (CTCC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CTCC-SEM1							
MATHEMATICS FOR CIVIL ENGINEERING I		CIVL 1101			3	1	
COMPUTER AIDED DRAFTING FOR CIVIL		CIVL 1111			0	3	
CONSTRUCTION MATERIALS AND TESTING		CIVL 1112			2	2	
INTRODUCTION TO CIVIL ENGINEERING		CIVL 1113			3	0	
SURVEYING PRINCIPLES		CIVL 1114			1	2	
Communication Foundations		COMM 1100			2	0	1
General Elective Credit		GNED 0000			3	0	
					14	8	1
CTCC-SEM2							
MATHEMATICS FOR CIVIL ENGINEERING II		CIVL 1201	CIVL 1101		3	1	
COMPUTER AIDED DRAFTING 3D		CIVL 1211	CIVL 1111		0	3	
STRENGTH OF MATERIALS		CIVL 1212	CIVL 1101, CIVL 1113		2	2	
HYDROLOGY AND HYDRAULICS		CIVL 1213	CIVL 1113		2	2	
ADVANCED SURVEYING		CIVL 1214	CIVL 1114		1	2	
Co-op and Career Preparation		COOP 1000			2	0	1
General Elective Credit		GNED 0000			3	0	
					13	10	1
CTCC-SEMC							
Co-op Work Term 1		CTCC 1000	SPEC 0000		0	0	420
					0	0	420

Civil Eng Technician Co-op (CTCC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CTCC-SEM3						
CONSTRUCTION SITE SUPERVISION AND MANAGEMENT	CIVL 2111	CIVL 1112		2	0	1
STEEL AND WOOD TECHNOLOGY	CIVL 2112	CIVL 1212		2	2	
SOIL MECHANICS	CIVL 2113	CIVL 1213		2	2	
GEOGRAPHICAL INFORMATION SYSTEMS	CIVL 2114	CIVL 1211, CIVL 1214		0	3	
WATER AND WASTEWATER TECHNOLOGY	CIVL 2115	CIVL 1213		2	2	
General Elective Credit	GNED 0000			3	0	
				11	9	1
CTCC-SEM4						
CIVIL PROJECT ESTIMATING	CIVL 2211	CIVL 2111		2	1	
CONCRETE AND MASONRY DESIGN	CIVL 2212	CIVL 1212		2	2	
MUNICIPAL SERVICES	CIVL 2213	CIVL 2115		2	2	
PAVEMENT ENGINEERING	CIVL 2214	CIVL 1112, CIVL 2113		2	1	
QA/QC IN CIVIL WORKS	CIVL 2215	CIVL 1112, CIVL 1201		3	0	
BUILDING INFORMATION MODELING I	CIVL 2216	CIVL 1211		0	3	
				11	9	

Civil Eng Technology Co-op (CTYC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CTYC-SEM1							
MATHEMATICS FOR CIVIL ENGINEERING I		CIVL 1101			3	1	
COMPUTER AIDED DRAFTING FOR CIVIL		CIVL 1111			0	3	
CONSTRUCTION MATERIALS AND TESTING		CIVL 1112			2	2	
INTRODUCTION TO CIVIL ENGINEERING		CIVL 1113			3	0	
SURVEYING PRINCIPLES		CIVL 1114			1	2	
Communication Foundations		COMM 1100			2	0	1
General Elective Credit		GNED 0000			3	0	
					14	8	1
CTYC-SEM2							
MATHEMATICS FOR CIVIL ENGINEERING II		CIVL 1201	CIVL 1101		3	1	
COMPUTER AIDED DRAFTING 3D		CIVL 1211	CIVL 1111		0	3	
STRENGTH OF MATERIALS		CIVL 1212	CIVL 1101, CIVL 1113		2	2	
HYDROLOGY AND HYDRAULICS		CIVL 1213	CIVL 1113		2	2	
ADVANCED SURVEYING		CIVL 1214	CIVL 1114		1	2	
Co-op and Career Preparation		COOP 1000			2	0	1
General Elective Credit		GNED 0000			3	0	
					13	10	1
CTYC-SEMC1							
Co-op Work Term 1		CTYC 1000	SPEC 0000		0	0	420
					0	0	420

Civil Eng Technology Co-op (CTYC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CTYC-SEM3						
CONSTRUCTION SITE SUPERVISION AND MANAGEMENT	CIVL 2111	CIVL 1112		2	0	1
STEEL AND WOOD TECHNOLOGY	CIVL 2112	CIVL 1212		2	2	
SOIL MECHANICS	CIVL 2113	CIVL 1213		2	2	
GEOGRAPHICAL INFORMATION SYSTEMS	CIVL 2114	CIVL 1211, CIVL 1214		0	3	
WATER AND WASTEWATER TECHNOLOGY	CIVL 2115	CIVL 1213		2	2	
General Elective Credit	GNED 0000			3	0	
				11	9	1
CTYC-SEM4						
CIVIL PROJECT ESTIMATING	CIVL 2211	CIVL 2111		2	1	
CONCRETE AND MASONRY DESIGN	CIVL 2212	CIVL 1212		2	2	
MUNICIPAL SERVICES	CIVL 2213	CIVL 2115		2	2	
PAVEMENT ENGINEERING	CIVL 2214	CIVL 1112, CIVL 2113		2	1	
QA/QC IN CIVIL WORKS	CIVL 2215	CIVL 1112, CIVL 1201		3	0	
BUILDING INFORMATION MODELING I	CIVL 2216	CIVL 1211		0	3	
				11	9	
CTYC-SEMC2						
Co-op Work Term 2	CTYC 2000			0	0	420
				0	0	420

Civil Eng Technology Co-op (CTYC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CTYC-SEM5						
PRINCIPLES OF PROJECT MANAGEMENT	CIVL 3111	CIVL 2211		1	2	
GEOTECHNICAL DESIGN	CIVL 3112	CIVL 2113		2	2	
CIVIL ENGINEERING CODES AND REGULATIONS	CIVL 3113	CIVL 2113		3	0	
CALCULUS	CIVL 3114	CIVL 1201		4	0	
HIGHWAY AND TRANSPORTATION ENGINEERING I	CIVL 3115	CIVL 2214		2	2	
PRE CIVIL CAPSTONE PROJECT	CIVL 3116	CIVL 2211, CIVL 2216	CIVL 3111	2	0	1
BUILDING INFORMATION MODELING II	CIVL 3117	CIVL 2211, CIVL 2216	CIVL 3111	0	3	
				14	9	1
CTYC-SEM6						
CIVIL CAPSTONE PROJECT	CIVL 3211	CIVL 3116		1	0	5
ENVIRONMENTAL ENGINEERING AND ASSESSMENT	CIVL 3212	CIVL 2214		4	0	
HIGHWAY AND TRANSPORTATION ENGINEERING II	CIVL 3213	CIVL 3115		2	2	
REPAIR AND REHABILITATION OF CIVIL INFRASTRUCTURE	CIVL 3214	CIVL 3115		3	0	
CONSTRUCTION CONTRACTS, LAW AND ETHICS	CIVL 3215	CIVL 3113		2	0	1
HUMAN RESOURCES MANAGEMENT	CIVL 3216	CIVL 2111		2	0	1
				14	2	7

Civil Engineering Technician (CETC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CETC-SEM1							
MATHEMATICS FOR CIVIL ENGINEERING I		CIVL 1101			3	1	
COMPUTER AIDED DRAFTING FOR CIVIL		CIVL 1111			0	3	
CONSTRUCTION MATERIALS AND TESTING		CIVL 1112			2	2	
INTRODUCTION TO CIVIL ENGINEERING		CIVL 1113			3	0	
SURVEYING PRINCIPLES		CIVL 1114			1	2	
Communication Foundations		COMM 1100			2	0	1
General Elective Credit		GNED 0000			3	0	
					14	8	1
CETC-SEM2							
Career Planning & Development		CARR 2130			2	0	1
MATHEMATICS FOR CIVIL ENGINEERING II		CIVL 1201	CIVL 1101		3	1	
COMPUTER AIDED DRAFTING 3D		CIVL 1211	CIVL 1111		0	3	
STRENGTH OF MATERIALS		CIVL 1212	CIVL 1101, CIVL 1113		2	2	
HYDROLOGY AND HYDRAULICS		CIVL 1213	CIVL 1113		2	2	
ADVANCED SURVEYING		CIVL 1214	CIVL 1114		1	2	
General Elective Credit		GNED 0000			3	0	
					13	10	1

Civil Engineering Technician (CETC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CETC-SEM3						
CONSTRUCTION SITE SUPERVISION AND MANAGEMENT	CIVL 2111	CIVL 1112		2	0	1
STEEL AND WOOD TECHNOLOGY	CIVL 2112	CIVL 1212		2	2	
SOIL MECHANICS	CIVL 2113	CIVL 1213		2	2	
GEOGRAPHICAL INFORMATION SYSTEMS	CIVL 2114	CIVL 1211, CIVL 1214		0	3	
WATER AND WASTEWATER TECHNOLOGY	CIVL 2115	CIVL 1213		2	2	
General Elective Credit	GNED 0000			3	0	
				11	9	1
CETC-SEM4						
CIVIL PROJECT ESTIMATING	CIVL 2211	CIVL 2111		2	1	
CONCRETE AND MASONRY DESIGN	CIVL 2212	CIVL 1212		2	2	
MUNICIPAL SERVICES	CIVL 2213	CIVL 2115		2	2	
PAVEMENT ENGINEERING	CIVL 2214	CIVL 1112, CIVL 2113		2	1	
QA/QC IN CIVIL WORKS	CIVL 2215	CIVL 1112, CIVL 1201		3	0	
BUILDING INFORMATION MODELING I	CIVL 2216	CIVL 1211		0	3	
Field Placement - CETC	FWK 1405			0	0	1
				11	9	1

Civil Engineering Technology (CETY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CETY-SEM1							
MATHEMATICS FOR CIVIL ENGINEERING I		CIVL 1101			3	1	
COMPUTER AIDED DRAFTING FOR CIVIL		CIVL 1111			0	3	
CONSTRUCTION MATERIALS AND TESTING		CIVL 1112			2	2	
INTRODUCTION TO CIVIL ENGINEERING		CIVL 1113			3	0	
SURVEYING PRINCIPLES		CIVL 1114			1	2	
Communication Foundations		COMM 1100			2	0	1
General Elective Credit	OPT1	GNED 0000			3	0	
					14	8	1
CETY-SEM2							
Career Planning & Development		CARR 2130			2	0	1
MATHEMATICS FOR CIVIL ENGINEERING II		CIVL 1201	CIVL 1101		3	1	
COMPUTER AIDED DRAFTING 3D		CIVL 1211	CIVL 1111		0	3	
STRENGTH OF MATERIALS		CIVL 1212	CIVL 1101, CIVL 1113		2	2	
HYDROLOGY AND HYDRAULICS		CIVL 1213	CIVL 1113		2	2	
ADVANCED SURVEYING		CIVL 1214	CIVL 1114		1	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					13	10	1

Civil Engineering Technology (CETY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
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CETY-SEM3

CONSTRUCTION SITE SUPERVISION AND MANAGEMENT	CIVL 2111	CIVL 1112		2	0	1
STEEL AND WOOD TECHNOLOGY	CIVL 2112	CIVL 1212		2	2	
SOIL MECHANICS	CIVL 2113	CIVL 1213		2	2	
GEOGRAPHICAL INFORMATION SYSTEMS	CIVL 2114	CIVL 1211, CIVL 1214		0	3	
WATER AND WASTEWATER TECHNOLOGY	CIVL 2115	CIVL 1213		2	2	
General Elective Credit	GNED 0000			3	0	
				11	9	1

CETY-SEM4

CIVIL PROJECT ESTIMATING	CIVL 2211	CIVL 2111		2	1	
CONCRETE AND MASONRY DESIGN	CIVL 2212	CIVL 1212		2	2	
MUNICIPAL SERVICES	CIVL 2213	CIVL 2115		2	2	
PAVEMENT ENGINEERING	CIVL 2214	CIVL 1112, CIVL 2113		2	1	
QA/QC IN CIVIL WORKS	CIVL 2215	CIVL 1112, CIVL 1201		3	0	
BUILDING INFORMATION MODELING I	CIVL 2216	CIVL 1211		0	3	
				11	9	

Civil Engineering Technology (CETY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CETY-SEM5						
PRINCIPLES OF PROJECT MANAGEMENT	CIVL 3111	CIVL 2211		1	2	
GEOTECHNICAL DESIGN	CIVL 3112	CIVL 2113		2	2	
CIVIL ENGINEERING CODES AND REGULATIONS	CIVL 3113	CIVL 2113		3	0	
CALCULUS	CIVL 3114	CIVL 1201		4	0	
HIGHWAY AND TRANSPORTATION ENGINEERING I	CIVL 3115	CIVL 2214		2	2	
PRE CIVIL CAPSTONE PROJECT	CIVL 3116	CIVL 2211, CIVL 2216	CIVL 3111	2	0	1
BUILDING INFORMATION MODELING II	CIVL 3117	CIVL 2211, CIVL 2216	CIVL 3111	0	3	
FIELD PLACEMENT	PLAC 1100			0	0	80
				14	9	81
CETY-SEM6						
CIVIL CAPSTONE PROJECT	CIVL 3211	CIVL 3116		1	0	5
ENVIRONMENTAL ENGINEERING AND ASSESSMENT	CIVL 3212	CIVL 2214		4	0	
HIGHWAY AND TRANSPORTATION ENGINEERING II	CIVL 3213	CIVL 3115		2	2	
REPAIR AND REHABILITATION OF CIVIL INFRASTRUCTURE	CIVL 3214	CIVL 3115		3	0	
CONSTRUCTION CONTRACTS, LAW AND ETHICS	CIVL 3215	CIVL 3113		2	0	1
HUMAN RESOURCES MANAGEMENT	CIVL 3216	CIVL 2111		2	0	1
FIELD PLACEMENT	PLAC 1100			0	0	80
				14	2	87

Cloud Computing (CLCP)

Weekly Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CLCP-SEM1							
Cloud Computing Careers and Portfolio Development		CLCP 1100			2	0	1
Scripting		COSC 1104			0	4	
Ethics, Governance and Risk Management		ETHC 1102			3	0	
Operating Systems and Network Infrastructure		INFT 1108			0	4	
Introduction to Cloud Computing		INFT 1109			3	0	
Cloud Implementation		INFT 1110			0	3	
Database		INFT 1111			0	4	
					8	15	1
CLCP-SEM2							
Capstone		CLCP 1200			0	3	
Cloud DevOps Solution Architect		COSC 1208			3	0	
Implementing DevOps Solutions		COSC 1209			0	3	
Cloud Infrastructure		INFT 1209			3	0	
Deploying Cloud Infrastructure		INFT 1210			0	3	
Cloud Security		INFT 1211			3	0	
Cloud Security Administration		INFT 1212			0	3	
					9	12	

Cloud Computing Work-Term (CLCW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CLCW-SEM1							
Cloud Computing Careers and Portfolio Development		CLCP 1100			2	0	1
Scripting		COSC 1104			0	4	
Ethics, Governance and Risk Management		ETHC 1102			3	0	
Operating Systems and Network Infrastructure		INFT 1108			0	4	
Introduction to Cloud Computing		INFT 1109			3	0	
Cloud Implementation		INFT 1110			0	3	
Database		INFT 1111			0	4	
					8	15	1
CLCW-SEM2							
Capstone		CLCP 1200			0	3	
Cloud DevOps Solution Architect		COSC 1208			3	0	
Implementing DevOps Solutions		COSC 1209			0	3	
Cloud Infrastructure		INFT 1209			3	0	
Deploying Cloud Infrastructure		INFT 1210			0	3	
Cloud Security		INFT 1211			3	0	
Cloud Security Administration		INFT 1212			0	3	
					9	12	
CLCW-SEMW							
Work Term 1		CLCW 1000			0	0	420
					0	0	420

Comp Prog and Analysis Intern (CPGI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPGI-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CPGI-SEM2							
Object-Oriented Programming 1		COSC 1200	COSC 1100		4	2	
General Elective Credit		GNED 0000			3	0	
Web Development - Fundamentals		INFT 1206			2	2	
Software Testing and Automation		INFT 1207	COSC 1100		2	2	
Systems Development 1		MGMT 1223			2	1	
Business for IT Professionals		MGMT 1224			2	0	1
					15	7	1
CPGI-SEM3							
Co-op and Career Preparation		COOP 1000			2	0	1
Object-Oriented Programming 2		COSC 2100	COSC 1100		4	2	
Web Development Intermediate		INFT 2100	COSC 1100, INFT 1206		4	0	
Database Development 1		INFT 2101	INFT 1105, MGMT 1223		4	0	
Systems Development 2		MGMT 2107			2	1	
					16	3	1

Comp Prog and Analysis Intern (CPGI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPGI-SEM4						
Object-Oriented Programming 3	COSC 2200	COSC 1200, COSC 2100		3	0	1
General Elective Credit	GNED 0000			3	0	
Mainframe Development 1	INFT 2200	COSC 1100		4	0	
Web Development - Enterprise	INFT 2201	COSC 2100		4	0	
Web Development - Client Side Script	INFT 2202	INFT 1206		4	0	
Cloud Technology Fundamentals	INFT 2203			0	4	
				18	4	1
CPGI-SEMI1						
Co-op Work Term 1	CPGI 1000			0	0	420
				0	0	420
CPGI-SEMI2						
Co-op Work Term 2	CPGI 2000			0	0	420
				0	0	420
CPGI-SEMI3						
Co-op Work Term 3	CPGI 3000			0	0	420
				0	0	420
CPGI-SEMI4						
Co-op Work Term 4	CPGI 4000			0	0	420
				0	0	420

Comp Prog and Analysis Intern (CPGI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPGI-SEM5						
Mainframe Development 2	INFT 3100	COSC 1100		4	0	
Mobile Development	INFT 3101	COSC 2100, INFT 1206		4	0	
Web Development - Frameworks	INFT 3102	INFT 2100, INFT 2201		4	0	
Emerging Technologies	INFT 3103	COMM 2109, MGMT 1223, MGMT 1224, MGMT 2107		3	0	
Cloud Technology for Developers	INFT 3104			2	2	
				17	2	
CPGI-SEM6						
Capstone Project	CPGA 3200	INFT 3102, INFT 3103, SPEC 0000		5	0	
General Elective Credit	GNED 0000			3	0	
Cloud Technology Operations	INFT 3200	INFT 3109		0	4	
Database Development 2	INFT 3201	COSC 2200, INFT 2101, MGMT 1223, MGMT 2107		4	0	
Cross-Functional Collaboration	MGMT 3211			3	0	
				15	4	

Comp Programming and Analysis (CPGA)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CPGA-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CPGA-SEM2							
Object-Oriented Programming 1		COSC 1200	COSC 1100		4	2	
General Elective Credit		GNED 0000			3	0	
Web Development - Fundamentals		INFT 1206			2	2	
Software Testing and Automation		INFT 1207	COSC 1100		2	2	
Systems Development 1		MGMT 1223			2	1	
Business for IT Professionals		MGMT 1224			2	0	1
					15	7	1
CPGA-SEM3							
IT Career Essentials		COMM 2109			2	0	1
Object-Oriented Programming 2		COSC 2100	COSC 1100		4	2	
General Elective Credit		GNED 0000			3	0	
Web Development Intermediate		INFT 2100	COSC 1100, INFT 1206		4	0	
Database Development 1		INFT 2101	INFT 1105, MGMT 1223		4	0	
Systems Development 2		MGMT 2107			2	1	
					19	3	1

Comp Programming and Analysis (CPGA)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CPGA-SEM4							
Object-Oriented Programming 3		COSC 2200	COSC 1200, COSC 2100		3	0	1
General Elective Credit		GNED 0000			3	0	
Mainframe Development 1		INFT 2200	COSC 1100		4	0	
Web Development - Enterprise		INFT 2201	COSC 2100		4	0	
Web Development - Client Side Script		INFT 2202	INFT 1206		4	0	
Cloud Technology Fundamentals		INFT 2203			0	4	
					18	4	1
CPGA-SEM5							
Mainframe Development 2		INFT 3100	COSC 1100		4	0	
Mobile Development		INFT 3101	COSC 2100, INFT 1206		4	0	
Web Development - Frameworks		INFT 3102	INFT 2100, INFT 2201		4	0	
Emerging Technologies		INFT 3103	COMM 2109, MGMT 1223, MGMT 1224, MGMT 2107		3	0	
Cloud Technology for Developers		INFT 3104			2	2	
					17	2	
CPGA-SEM6							
Capstone Project		CPGA 3200	INFT 3102, INFT 3103, SPEC 0000		5	0	
Field Placement - CPA		CPGA 3201	SPEC 0000		1	0	160
Cloud Technology Operations		INFT 3200	INFT 3109		0	4	
Database Development 2		INFT 3201	COSC 2200, INFT 2101, MGMT 1223, MGMT 2107		4	0	
Cross-Functional Collaboration		MGMT 3211			3	0	
					13	4	160

Computer Foundations (CFND)

Weekly Breakdown

Course Name		Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CFND-SEM1								
Communication Foundations			COMM 1100			2	0	1
Computer Systems - Hardware			COMP 1116			2	2	
Introduction to Programming			COSC 1100			4	2	
Data Communications and Networking 1			INFT 1104			0	4	
Introduction to Databases			INFT 1105			4	0	
Mathematics for IT			MATH 1114			3	0	
						15	8	1
CFND-SEM2								
General Elective Credit			GNED 0000			3	0	
Web Development - Fundamentals			INFT 1206			2	2	
Computer Systems - Software		OPT1	COMP 1218	COMP 1116		2	2	
Enterprise Client Support		OPT2	COMP 1219			4	0	
Object-Oriented Programming 1		OPT3	COSC 1200	COSC 1100		4	2	
Data Communications and Networking 2		OPT4	INFT 1205	INFT 1104		0	4	
Software Testing and Automation		OPT5	INFT 1207	COSC 1100		2	2	
IT Service Management		OPT6	MGMT 1222			2	2	
Systems Development 1		OPT7	MGMT 1223			2	1	
Business for IT Professionals		OPT8	MGMT 1224			2	0	1
						23	15	1

Computer Prog Analysis Coop (CPGC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPGC-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CPGC-SEM2							
Object-Oriented Programming 1		COSC 1200	COSC 1100		4	2	
General Elective Credit		GNED 0000			3	0	
Web Development - Fundamentals		INFT 1206			2	2	
Software Testing and Automation		INFT 1207	COSC 1100		2	2	
Systems Development 1		MGMT 1223			2	1	
Business for IT Professionals		MGMT 1224			2	0	1
					15	7	1
CPGC-SEM3							
Co-op and Career Preparation		COOP 1000			2	0	1
Object-Oriented Programming 2		COSC 2100	COSC 1100		4	2	
Web Development Intermediate		INFT 2100	COSC 1100, INFT 1206		4	0	
Database Development 1		INFT 2101	INFT 1105, MGMT 1223		4	0	
Systems Development 2		MGMT 2107			2	1	
					16	3	1

Computer Prog Analysis Coop (CPGC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPGC-SEM4						
Object-Oriented Programming 3	COSC 2200	COSC 1200, COSC 2100		3	0	1
General Elective Credit	GNED 0000			3	0	
Mainframe Development 1	INFT 2200	COSC 1100		4	0	
Web Development - Enterprise	INFT 2201	COSC 2100		4	0	
Web Development - Client Side Script	INFT 2202	INFT 1206		4	0	
Cloud Technology Fundamentals	INFT 2203			0	4	
				18	4	1
CPGC-SEMC						
Co-op Work Term 1	CPGC 1000			0	0	550
				0	0	550
CPGC-SEM5						
Mainframe Development 2	INFT 3100	COSC 1100		4	0	
Mobile Development	INFT 3101	COSC 2100, INFT 1206		4	0	
Web Development - Frameworks	INFT 3102	INFT 2100, INFT 2201		4	0	
Emerging Technologies	INFT 3103	COMM 2109, MGMT 1223, MGMT 1224, MGMT 2107		3	0	
Cloud Technology for Developers	INFT 3104			2	2	
				17	2	

Computer Prog Analysis Coop (CPGC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPGC-SEM6						
Capstone Project	CPGA 3200	INFT 3102, INFT 3103, SPEC 0000		5	0	
General Elective Credit	GNED 0000			3	0	
Cloud Technology Operations	INFT 3200	INFT 3109		0	4	
Database Development 2	INFT 3201	COSC 2200, INFT 2101, MGMT 1223, MGMT 2107		4	0	
Cross-Functional Collaboration	MGMT 3211			3	0	
				15	4	

Computer Programming (CPPG)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CPPG-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CPPG-SEM2							
Object-Oriented Programming 1		COSC 1200	COSC 1100		4	2	
General Elective Credit		GNED 0000			3	0	
Web Development - Fundamentals		INFT 1206			2	2	
Software Testing and Automation		INFT 1207	COSC 1100		2	2	
Systems Development 1		MGMT 1223			2	1	
Business for IT Professionals		MGMT 1224			2	0	1
					15	7	1
CPPG-SEM3							
IT Career Essentials		COMM 2109			2	0	1
Object-Oriented Programming 2		COSC 2100	COSC 1100		4	2	
General Elective Credit		GNED 0000			3	0	
Web Development Intermediate		INFT 2100	COSC 1100, INFT 1206		4	0	
Database Development 1		INFT 2101	INFT 1105, MGMT 1223		4	0	
Systems Development 2		MGMT 2107			2	1	
					19	3	1

Computer Programming (CPPG)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CPPG-SEM4							
Object-Oriented Programming 3		COSC 2200	COSC 1200, COSC 2100		3	0	1
General Elective Credit		GNED 0000			3	0	
Mainframe Development 1		INFT 2200	COSC 1100		4	0	
Web Development - Enterprise		INFT 2201	COSC 2100		4	0	
Web Development - Client Side Script		INFT 2202	INFT 1206		4	0	
Cloud Technology Fundamentals		INFT 2203			0	4	
					18	4	1

Computer Sys Technology Co-op (CSCC)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CSCC-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CSCC-SEM2							
Computer Systems - Software		COMP 1218	COMP 1116		2	2	
Enterprise Client Support		COMP 1219			4	0	
General Elective Credit		GNED 0000			3	0	
Data Communications and Networking 2		INFT 1205	INFT 1104		0	4	
Web Development - Fundamentals		INFT 1206			2	2	
IT Service Management		MGMT 1222			2	2	
					13	10	
CSCC-SEM3							
Co-op and Career Preparation		COOP 1000			2	0	1
Powershell		COSC 2101	COMP 1218		0	3	
General Elective Credit		GNED 0000			3	0	
Data Communications and Networking 3		INFT 2102	INFT 1205		0	4	
Network Administration 1		INFT 2103			2	2	
Linux 1		INFT 2104			0	4	
					7	13	1

Computer Sys Technology Co-op (CSCC)

Weekly Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CSCC-SEM4							
General Elective Credit		GNED 0000			3	0	
Cloud Technology Fundamentals		INFT 2203			0	4	
Network Administration 2		INFT 2204	INFT 2103		2	2	
Virtualization		INFT 2205	INFT 2103		0	4	
Linux 2		INFT 2206	INFT 2104		0	4	
Project Management		PJMT 2200			3	0	
					8	14	
CSCC-SEMC							
Co-op Work Term 1		CSCC 1000			0	0	550
					0	0	550
CSCC-SEM5							
Database Management		INFT 3105	INFT 1105, INFT 2204		2	2	
Linux 3		INFT 3106	INFT 2206		0	4	
Network Administration 3		INFT 3107	INFT 2204		0	4	
Security 1		INFT 3108	INFT 2102		0	4	
Cloud Technology Architect		INFT 3109	INFT 2203		0	4	
Unified Communications		INFT 3110	INFT 2102, INFT 2104		0	4	
					2	22	

Computer Sys Technology Co-op (CSCC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CSCC-SEM6							
IT Capstone Project		CSTY 3201	SPEC 0000		2	2	
Cloud Technology Operations		INFT 3200	INFT 3109		0	4	
Security 2		INFT 3202	INFT 3107		2	2	
Emerging Network Technologies		INFT 3203	COSC 1100, INFT 2102		0	3	
Cross-Functional Collaboration		MGMT 3211			3	0	
					7	11	

Computer Systems Tech - OnTech (CSTU)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CSTU-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CSTU-SEM2							
Computer Systems - Software		COMP 1218	COMP 1116		2	2	
Enterprise Client Support		COMP 1219			4	0	
Object-Oriented Programming 1		COSC 1200	COSC 1100		4	2	
Computer Architecture		INFR 2810U			0	0	0
Data Communications and Networking 2		INFT 1205	INFT 1104		0	4	
Web Development - Fundamentals		INFT 1206			2	2	
					12	10	0

Computer Systems Tech - OnTech (CSTU)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CSTU-SEM3							
IT Career Essentials		COMM 2109			2	0	1
Powershell		COSC 2101	COMP 1218		0	3	
General Elective Credit		GNED 0000			3	0	
General Elective Credit		GNED 0000			3	0	
Discrete Mathematics		INFR 1010U			0	0	0
Network Administration 1		INFT 2103			2	2	
Linux 1		INFT 2104			0	4	
					10	9	1
CSTU-SEM4							
General Elective Credit		GNED 0000			3	0	
Introductory Calculus		INFR 1016U			0	0	0
Introduction to Networking		INFR 1421U			0	0	
Algorithms and Data Structures		INFR 2820U			0	0	0
Network Administration 2		INFT 2204	INFT 2103		2	2	
Virtualization		INFT 2205	INFT 2103		0	4	
Project Management		PJMT 2200			3	0	
					8	6	0

Computer Systems Technician (CSTC)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CSTC-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CSTC-SEM2							
Computer Systems - Software		COMP 1218	COMP 1116		2	2	
Enterprise Client Support		COMP 1219			4	0	
General Elective Credit		GNED 0000			3	0	
Data Communications and Networking 2		INFT 1205	INFT 1104		0	4	
Web Development - Fundamentals		INFT 1206			2	2	
IT Service Management		MGMT 1222			2	2	
					13	10	
CSTC-SEM3							
IT Career Essentials		COMM 2109			2	0	1
Powershell		COSC 2101	COMP 1218		0	3	
General Elective Credit		GNED 0000			3	0	
Data Communications and Networking 3		INFT 2102	INFT 1205		0	4	
Network Administration 1		INFT 2103			2	2	
Linux 1		INFT 2104			0	4	
					7	13	1

Computer Systems Technician (CSTC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CSTC-SEM4							
General Elective Credit		GNED 0000			3	0	
Cloud Technology Fundamentals		INFT 2203			0	4	
Network Administration 2		INFT 2204	INFT 2103		2	2	
Virtualization		INFT 2205	INFT 2103		0	4	
Linux 2		INFT 2206	INFT 2104		0	4	
Project Management		PJMT 2200			3	0	
					8	14	

Computer Systems Technology (CSTY)

Weekly Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CSTY-SEM1							
Communication Foundations		COMM 1100			2	0	1
Computer Systems - Hardware		COMP 1116			2	2	
Introduction to Programming		COSC 1100			4	2	
Data Communications and Networking 1		INFT 1104			0	4	
Introduction to Databases		INFT 1105			4	0	
Mathematics for IT		MATH 1114			3	0	
					15	8	1
CSTY-SEM2							
Computer Systems - Software		COMP 1218	COMP 1116		2	2	
Enterprise Client Support		COMP 1219			4	0	
General Elective Credit		GNED 0000			3	0	
Data Communications and Networking 2		INFT 1205	INFT 1104		0	4	
Web Development - Fundamentals		INFT 1206			2	2	
IT Service Management		MGMT 1222			2	2	
					13	10	
CSTY-SEM3							
IT Career Essentials		COMM 2109			2	0	1
Powershell		COSC 2101	COMP 1218		0	3	
General Elective Credit		GNED 0000			3	0	
Data Communications and Networking 3		INFT 2102	INFT 1205		0	4	
Network Administration 1		INFT 2103			2	2	
Linux 1		INFT 2104			0	4	
					7	13	1

Computer Systems Technology (CSTY)

Weekly
Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
CSTY-SEM4							
General Elective Credit		GNED 0000			3	0	
Cloud Technology Fundamentals		INFT 2203			0	4	
Network Administration 2		INFT 2204	INFT 2103		2	2	
Virtualization		INFT 2205	INFT 2103		0	4	
Linux 2		INFT 2206	INFT 2104		0	4	
Project Management		PJMT 2200			3	0	
					8	14	
CSTY-SEM5							
Database Management		INFT 3105	INFT 1105, INFT 2204		2	2	
Linux 3		INFT 3106	INFT 2206		0	4	
Network Administration 3		INFT 3107	INFT 2204		0	4	
Security 1		INFT 3108	INFT 2102		0	4	
Cloud Technology Architect		INFT 3109	INFT 2203		0	4	
Unified Communications		INFT 3110	INFT 2102, INFT 2104		0	4	
					2	22	
CSTY-SEM6							
Field Placement - CSTY		CSTY 3200	SPEC 0000		1	0	160
IT Capstone Project		CSTY 3201	SPEC 0000		2	2	
Cloud Technology Operations		INFT 3200	INFT 3109		0	4	
Security 2		INFT 3202	INFT 3107		2	2	
Emerging Network Technologies		INFT 3203	COSC 1100, INFT 2102		0	3	
Cross-Functional Collaboration		MGMT 3211			3	0	
					8	11	160

Cybersecurity (CYSC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CYSC-SEM1							
Cybersecurity Careers and the Digital Portfolio		CYSC 1100			3	0	
Network Systems and Components		INFT 1100			0	3	
Wireless Network Security		INFT 1101			0	3	
Information Security		INFT 1102			0	3	
Operating System Security		INFT 1103			3	0	
Law and Ethics in Forensic Investigations		LAWW 1201			3	0	
Business Processes and Security Policy		MGMT 1100			3	0	
					12	9	
CYSC-SEM2							
Computer Forensics		INFT 1200			0	3	
Hacking and Exploits		INFT 1201			0	3	
Network Monitoring and Penetration Testing		INFT 1202			0	3	
Access Controls		INFT 1203			0	3	
Special Topics in Cybersecurity		INFT 1204			3	0	
Incident Handling and Response		MGMT 1212			3	0	
Security Auditing and Governance		MGMT 1216			3	0	
					9	12	

Cybersecurity - Work Term (CYSW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
CYSW-SEM1							
Cybersecurity Careers and the Digital Portfolio		CYSC 1100			3	0	
Network Systems and Components		INFT 1100			0	3	
Wireless Network Security		INFT 1101			0	3	
Information Security		INFT 1102			0	3	
Operating System Security		INFT 1103			3	0	
Law and Ethics in Forensic Investigations		LAWW 1201			3	0	
Business Processes and Security Policy		MGMT 1100			3	0	
					12	9	
CYSW-SEM2							
Computer Forensics		INFT 1200			0	3	
Hacking and Exploits		INFT 1201			0	3	
Network Monitoring and Penetration Testing		INFT 1202			0	3	
Access Controls		INFT 1203			0	3	
Special Topics in Cybersecurity		INFT 1204			3	0	
Incident Handling and Response		MGMT 1212			3	0	
Security Auditing and Governance		MGMT 1216			3	0	
					9	12	
CYSW-SEMW							
Work Term 1		CYSW 1000			0	0	
					0	0	

Data Analytics for Bus Dec Mkg (DATA)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
DATA-SEM1							
Careers and Digital Portfolio		DATA 1102			3	0	
INTRODUCTION TO DATA ANALYSIS		DATA 1200			3	0	
DATA COLLECTION AND DATA MANAGEMENT		DATA 1201			3	0	
DATA ANALYSIS TOOLS FOR ANALYTICS		DATA 1202			2	2	
BUSINESS ANALYSIS AND ASSESSMENTS 1		DATA 1203			3	0	
STATISTICAL PREDICTIVE MODELING FOR ANALYTICS I		DATA 1204			4	0	
VISUALIZATIONS, LEADERSHIP, AND BUSINESS COMMUNICATIONS I		DATA 1205			2	2	
					20	4	
DATA-SEM2							
ETHICAL LEADERSHIP AND CRITICAL DECISION MAKING		DATA 2202			3	0	
BUSINESS ANALYSIS AND ASSESSMENTS II		DATA 2203	DATA 1203		3	0	
STATISTICAL AND PREDICTIVE MODELLING FOR ANALYTICS II		DATA 2204	DATA 1204		4	0	
VISUALIZATIONS, LEADERSHIP, AND BUSINESS COMMUNICATIONS II		DATA 2205	DATA 1205		2	2	
CAPSTONE		DATA 2206	DATA 1200, DATA 1202		4	0	
PROJECT MANAGEMENT FOR ANALYTICS		DATA 2207			3	0	
					19	2	

Data Analytics for Bus Dec WT (DATW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
DATW-SEM1							
Careers and Digital Portfolio		DATA 1102			3	0	
INTRODUCTION TO DATA ANALYSIS		DATA 1200			3	0	
DATA COLLECTION AND DATA MANAGEMENT		DATA 1201			3	0	
DATA ANALYSIS TOOLS FOR ANALYTICS		DATA 1202			2	2	
BUSINESS ANALYSIS AND ASSESSMENTS 1		DATA 1203			3	0	
STATISTICAL PREDICTIVE MODELING FOR ANALYTICS I		DATA 1204			4	0	
VISUALIZATIONS, LEADERSHIP, AND BUSINESS COMMUNICATIONS I		DATA 1205			2	2	
					20	4	
DATW-SEM2							
ETHICAL LEADERSHIP AND CRITICAL DECISION MAKING		DATA 2202			3	0	
BUSINESS ANALYSIS AND ASSESSMENTS II		DATA 2203	DATA 1203		3	0	
STATISTICAL AND PREDICTIVE MODELLING FOR ANALYTICS II		DATA 2204	DATA 1204		4	0	
VISUALIZATIONS, LEADERSHIP, AND BUSINESS COMMUNICATIONS II		DATA 2205	DATA 1205		2	2	
CAPSTONE		DATA 2206	DATA 1200, DATA 1202		4	0	
PROJECT MANAGEMENT FOR ANALYTICS		DATA 2207			3	0	
					19	2	
DATW-SEM W							
Work Term		DATW 1000	SPEC 0000		0	0	420
					0	0	420

Electro-Mechanical Eng Tech (EMTY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
EMTY-SEM1							
CAD for Electrical		CAD 1134			0	2	
Communication Foundations		COMM 1100			2	0	1
Digital Fundamentals		DGFN 1131			2	2	
Electricity I		ELEC 1131			3	2	
General Elective Credit		GNED 0000			3	0	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
					16	6	1
EMTY-SEM2							
CAD as an Engineering Tool		CADD 2131	CAD 1134		0	3	
Electronic Circuits I		CIRE 1131	ELEC 1131		2	2	
Digital Fundamentals II		DGFN 2131	DGFN 1131		2	2	
Electricity II		ELEC 2131	ELEC 1131		2	2	
Fluid Power I		FLUD 1131			2	1	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Programming for Technology I		TPRG 1131			0	2	
					12	12	

Electro-Mechanical Eng Tech (EMTY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
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EMTY-SEM3

Electronic Circuits II		CIRE 2132	CIRE 1131		3	2	
Code for Technology		CODT 5131			0	0	2
Industrial Controls I		CONT 3123	CADD 2131, ELEC 2131		2	2	
Fluid Power II		FLUD 2132	FLUD 1131		2	2	
General Elective Credit		GNED 0000			3	0	
Calculus		MATH 3132	MATH 2131		4	0	
					14	6	2

EMTY-SEM4

Career Planning & Development		CARR 2130			2	0	1
Industrial Controls II		CONT 3131	CONT 3123		2	2	
Integrated Automation I		CONT 3141	CONT 3123	CONT 3131	2	3	
Building Automation System		ELME 2200			2	2	
Manufacturing Sciences		MANF 1131			1	3	
Applied Mechanics		MECH 2103	PHYS 1131, STEM 1131		3	0	
					12	10	1

Electro-Mechanical Eng Tech (EMTY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
EMTY-SEM5							
Automation Systems		AUTO 1100	CONT 3141		2	3	
Integrated Automation II		CONT 4101	CONT 3131, CONT 3141		2	3	
Instrumentation & Control I		CONT 5131	CONT 3141		2	2	
Control Panel Design/Build		CPDB 5131	CONT 3131, CONT 3141		1	3	
Advanced Robotics		ENGR 3100			2	2	
Manufacturing Processes		MANF 3131	MANF 1131		3	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
					12	13	80
EMTY-SEM6							
Automation Project		AUTO 2100	AUTO 1100, CONT 4101		2	3	1
Instrumentation & Control II		CONT 6131	CONT 5131		2	3	
Industrial Networking		INET 6131	CPDB 5131		2	2	
Dynamics of Machines		MACH 3132	MECH 2103		3	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
SCADA		SCAD 6100	AUTO 1100, CONT 4101		2	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					14	10	81

Electromech Eng Tech - Co-op (EMTC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
EMTC-SEM1							
CAD for Electrical		CAD 1134			0	2	
Communication Foundations		COMM 1100			2	0	1
Digital Fundamentals		DGFN 1131			2	2	
Electricity I		ELEC 1131			3	2	
General Elective Credit		GNED 0000			3	0	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
					16	6	1
EMTC-SEM2							
CAD as an Engineering Tool		CADD 2131	CAD 1134		0	3	
Electronic Circuits I		CIRE 1131	ELEC 1131		2	2	
Digital Fundamentals II		DGFN 2131	DGFN 1131		2	2	
Electricity II		ELEC 2131	ELEC 1131		2	2	
Fluid Power I		FLUD 1131			2	1	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Programming for Technology I		TPRG 1131			0	2	
					12	12	

Electromech Eng Tech - Co-op (EMTC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
EMTC-SEM3							
Electronic Circuits II		CIRE 2132	CIRE 1131		3	2	
Code for Technology		CODT 5131			0	0	2
Industrial Controls I		CONT 3123	CADD 2131, ELEC 2131		2	2	
Co-op and Career Preparation		COOP 1000			2	0	1
Fluid Power II		FLUD 2132	FLUD 1131		2	2	
Calculus		MATH 3132	MATH 2131		4	0	
					13	6	3
EMTC-SEM4							
Industrial Controls II		CONT 3131	CONT 3123		2	2	
Integrated Automation I		CONT 3141	CONT 3123	CONT 3131	2	3	
Building Automation System		ELME 2200			2	2	
Manufacturing Sciences		MANF 1131			1	3	
Applied Mechanics		MECH 2103	PHYS 1131, STEM 1131		3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					13	10	
EMTC-SEMC							
Co-op Work Term		EMTC 1000			0	0	560
					0	0	560

Electromech Eng Tech - Co-op (EMTC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
EMTC-SEM5							
Automation Systems		AUTO 1100	CONT 3141		2	3	
Integrated Automation II		CONT 4101	CONT 3131, CONT 3141		2	3	
Instrumentation & Control I		CONT 5131	CONT 3141		2	2	
Control Panel Design/Build		CPDB 5131	CONT 3131, CONT 3141		1	3	
Advanced Robotics		ENGR 3100			2	2	
Manufacturing Processes		MANF 3131	MANF 1131		3	0	
					12	13	
EMTC-SEM6							
Automation Project		AUTO 2100	AUTO 1100, CONT 4101		2	3	1
Instrumentation & Control II		CONT 6131	CONT 5131		2	3	
General Elective Credit		GNED 0000			3	0	
Industrial Networking		INET 6131	CPDB 5131		2	2	
Dynamics of Machines		MACH 3132	MECH 2103		3	0	
SCADA		SCAD 6100	AUTO 1100, CONT 4101		2	2	
					14	10	1

Electronic Eng Technician (ELTC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ELTC-SEM1							
CAD for Electrical		CAD 1134			0	2	
Communication Foundations		COMM 1100			2	0	1
Digital Fundamentals		DGFN 1131			2	2	
Electricity I		ELEC 1131			3	2	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
General Elective Credit	OPT1	GNED 0000			3	0	
					16	6	1
ELTC-SEM2							
CAD FOR ELECTRONICS I		CAD 1133	CAD 1134		0	2	
Electronic Circuits I		CIRE 1131	ELEC 1131		2	2	
Digital Fundamentals II		DGFN 2131	DGFN 1131		2	2	
Electricity II		ELEC 2131	ELEC 1131		2	2	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Programming for Technology I		TPRG 1131			0	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					13	10	

Electronic Eng Technician (ELTC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ELTC-SEM3							
Career Planning & Development		CARR 2130			2	0	1
Electronic Circuits II		CIRE 2132	CIRE 1131		3	2	
COMPUTERS AND NETWORKING I		COMP 4131			2	2	
Industrial Controls I		CONT 3123	CADD 2131, ELEC 2131		2	2	
MICROPROCESSORS I		MPRO 1131	DGFN 2131		1	2	
TELECOMMUNICATIONS I		SYSC 4131	CIRE 1131		2	2	
PROGRAMMING FOR TECHNOLOGY II		TPRG 2131	TPRG 1131		0	3	
					12	13	1
ELTC-SEM4							
Electronic Circuits III		CIRE 3132	CIRE 2132		2	2	
Code for Technology		CODT 5131			0	0	2
COMPUTERS & NETWORKING II		COMP 6131	COMP 4131		2	2	
Industrial Controls II		CONT 3131	CONT 3123		2	2	
Integrated Automation I		CONT 3141	CONT 3123	CONT 3131	2	3	
General Elective Credit	OPT1	GNED 0000			3	0	
					11	9	2

Electronic Eng Technology (ELTY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ELTY-SEM1							
CAD for Electrical		CAD 1134			0	2	
Communication Foundations		COMM 1100			2	0	1
Digital Fundamentals		DGFN 1131			2	2	
Electricity I		ELEC 1131			3	2	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
General Elective Credit	OPT1	GNED 0000			3	0	
					16	6	1
ELTY-SEM2							
CAD FOR ELECTRONICS I		CAD 1133	CAD 1134		0	2	
Electronic Circuits I		CIRE 1131	ELEC 1131		2	2	
Digital Fundamentals II		DGFN 2131	DGFN 1131		2	2	
Electricity II		ELEC 2131	ELEC 1131		2	2	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Programming for Technology I		TPRG 1131			0	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					13	10	

Electronic Eng Technology (ELTY)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
ELTY-SEM3							
Career Planning & Development		CARR 2130			2	0	1
Electronic Circuits II		CIRE 2132	CIRE 1131		3	2	
COMPUTERS AND NETWORKING I		COMP 4131			2	2	
Industrial Controls I		CONT 3123	CADD 2131, ELEC 2131		2	2	
MICROPROCESSORS I		MPRO 1131	DGFN 2131		1	2	
TELECOMMUNICATIONS I		SYSC 4131	CIRE 1131		2	2	
PROGRAMMING FOR TECHNOLOGY II		TPRG 2131	TPRG 1131		0	3	
					12	13	1
ELTY-SEM4							
Electronic Circuits III		CIRE 3132	CIRE 2132		2	2	
Code for Technology		CODT 5131			0	0	2
COMPUTERS & NETWORKING II		COMP 6131	COMP 4131		2	2	
Industrial Controls II		CONT 3131	CONT 3123		2	2	
Integrated Automation I		CONT 3141	CONT 3123	CONT 3131	2	3	
General Elective Credit	OPT1	GNED 0000			3	0	
					11	9	2

Electronic Eng Technology (ELTY)

Weekly Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ELTY-SEM5						
ADVANCED ELECTRONICS - EMERGING TECHNOLOGIES	AEET 6101	DGFN 2131		0	2	
CIRCUIT ANALYSIS	CIRC 3131	CIRE 3132, ELEC 2131		2	2	
Instrumentation & Control I	CONT 5131	CONT 3141		2	2	
SIGNALS AND SYSTEMS	DGSP 5101	TPRG 2131		2	2	
Calculus	MATH 3132	MATH 2131		4	0	
FIELD PLACEMENT	PLAC 1100			0	0	80
PRE-TECHNICAL PROJECT	PROJ 1301		PLAC 1100	1	0	
				11	8	80
ELTY-SEM6						
Instrumentation & Control II	CONT 6131	CONT 5131		2	3	
EMBEDDED SYSTEMS	EMBS 6100	MPRO 1131		2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
Statistical Methods in Quality Control	STAT 3136	STEM 1131		2	1	
TELECOMMUNICATIONS II	SYSC 5131	SYSC 4131		2	2	
TECHNICAL PROJECT	TECH 6100	AEET 6101, DGSP 5101, MPRO 1131, PROJ 1301		0	2	1
				8	10	81

Environ Health and Safety Mgmt (EHSM)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
EHSM-SEM1						
Environmental and Occupational Management Systems	EHSM 1001			3	0	
Industrial Process Safety Management	EHSM 1003			3	0	
Hazard and Risk Management	EHSM 1005			3	0	
Occupational Health and Safety Legislation	LAWW 1002			4	0	
Statistics for Environmental Management	MATH 1002			2	1	
				15	1	
EHSM-SEM2						
Industrial Occupational Hygiene and Toxicology	EHSM 2001			3	0	
Program Implementation and Evaluation	EHSM 2003			3	0	
Sampling and Testing Analysis	EHSM 2005			2	1	
Emergency Planning and Management	EHSM 2007			3	0	
Environmental Construction Safety	EHSM 2008			3	0	
Appl of Environ Epidemiology	EHSM 2009			3	0	
				17	1	
EHSM-SEM3						
Field Placement	EHSM 3001			0	0	224
				0	0	224

Environmental Technology (ENVT)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
ENVT-SEM1							
Biology		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		CHEM 1200	3	3	
Analytical Techniques		CHEM 1200			1	2	
Communication Foundations		COMM 1100			2	0	1
ENVIRONMENTAL SCIENCE		ENVI 2131			2	2	
Mathematics		MATH 1132			3	0	
					13	9	1
ENVT-SEM2							
Career Planning & Development		CARR 2130			2	0	1
Organic Chemistry 1		CHEM 1202	TECH 1131		3	2	
Chemistry 2		CHEM 2131	CHEM 1131, CHEM 1200		2	3	
COMMUNITY & ENVIRONMENT		ENVI 3131	ENVI 2131		3	0	
Mathematics 2		MATH 2132	MATH 1132		3	0	
Indigenous Elective	OPT1	INDG 0000			3	0	
					16	5	1
ENVT-SEM3							
Introductory Microbiology		BIOL 2100	BIOL 1131		2	2	1
Analytical Chemistry 1		CHEM 3131	CHEM 1200, CHEM 2131		2	3	
ECOLOGY		ENEC 2131			2	2	
Environmental Regulations		LAWW 2200			3	0	
ENVIRONMENTAL SAMPLING		QUAL 1132	ENVI 2131		2	2	
					11	9	1

Environmental Technology (ENVT)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ENVT-SEM4							
Analytical Instrumentation		CHEM 2206	CHEM 1202, CHEM 2131		2	2	
ENVIRONMENTAL CHEMISTRY		CHEM 3132	QUAL 1132		2	2	
Analytical Chemistry 2		CHEM 4131	CHEM 3131		2	3	
INTRODUCTION TO GIS & AUTOCAD		ENIG 3131			0	3	
General Elective Credit		GNED 0000			3	0	
APPLIED ENVIRONMENTAL MICROBIOLOGY		MICR 2132	MICR 1131		2	2	1
					11	12	1
ENVT-SEM5							
Spectroscopy 1		CHEM 3105	CHEM 2206		2	2	
Chromatography 1		CHEM 3106	CHEM 2206		2	2	
TOPICS IN ENVIRONMENTAL SCIENCE		ENVI 3132	CHEM 3132		2	2	
ENVIRONMENTAL PROJECT MANAGEMENT		ETEP 5131	CHEM 3132	ENVI 3132	1	1	
General Elective Credit		GNED 0000			3	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
INDUSTRIAL WASTE		WAST 3131			3	0	
					13	7	80

Environmental Technology (ENVT)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ENVT-SEM6							
Spectroscopy 2		CHEM 3201	CHEM 3105		2	2	
Chromatography 2		CHEM 3202	CHEM 3105, CHEM 3106		2	2	
ENVIRONMENTAL ENGINEERING		ENGR 1131	ENVI 3132		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
URBAN ENVIRONMENTAL PLANNING		PLAN 3131	ENVI 2131		3	0	
ENVIRONMENTAL ENFORCEMENT		REGS 2131	REGS 1131		3	0	
ENVIRONMENTAL TOXICOLOGY		TOXI 1131	CHEM 3132		3	0	
					15	6	80

Environmental Technology - FT (ENVF)

Weekly
Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
ENVF-SEM1							
Introductory Microbiology		BIOL 2100	BIOL 1131		2	2	1
Fundamentals of Analytical and Organic Chemistry Spectroscopy 1		CHEM 1133		CHEM 3105	0	0	1
Chromatography 1		CHEM 3105	CHEM 2206		2	2	
TOPICS IN ENVIRONMENTAL SCIENCE		CHEM 3106	CHEM 2206		2	2	
ENVIRONMENTAL PROJECT MANAGEMENT		ENVI 3132	CHEM 3132		2	2	
Environmental Regulations		ETEP 5131	CHEM 3132	ENVI 3132	1	1	
ENVIRONMENTAL SAMPLING		LAWW 2200			3	0	
INDUSTRIAL WASTE		QUAL 1132	ENVI 2131		2	2	
		WAST 3131			3	0	
					17	11	2
ENVF-SEM2							
Spectroscopy 2		CHEM 3201	CHEM 3105		2	2	
Chromatography 2		CHEM 3202	CHEM 3105, CHEM 3106		2	2	
ENVIRONMENTAL ENGINEERING		ENGR 1131	ENVI 3132		2	2	
INTRODUCTION TO GIS & AUTOCAD		ENIG 3131			0	3	
APPLIED ENVIRONMENTAL MICROBIOLOGY		MICR 2132	MICR 1131		2	2	1
FIELD PLACEMENT		PLAC 1100			0	0	80
URBAN ENVIRONMENTAL PLANNING		PLAN 3131	ENVI 2131		3	0	
ENVIRONMENTAL ENFORCEMENT		REGS 2131	REGS 1131		3	0	
ENVIRONMENTAL TOXICOLOGY		TOXI 1131	CHEM 3132		3	0	
					17	11	81

Environmental Technology Co-op (ENVC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ENVC-SEM1							
Biology		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		CHEM 1200	3	3	
Analytical Techniques		CHEM 1200			1	2	
Communication Foundations		COMM 1100			2	0	1
ENVIRONMENTAL SCIENCE		ENVI 2131			2	2	
Mathematics		MATH 1132			3	0	
					13	9	1
ENVC-SEM2							
Organic Chemistry 1		CHEM 1202	TECH 1131		3	2	
Chemistry 2		CHEM 2131	CHEM 1131, CHEM 1200		2	3	
Co-op and Career Preparation		COOP 1000			2	0	1
COMMUNITY & ENVIRONMENT		ENVI 3131	ENVI 2131		3	0	
Mathematics 2		MATH 2132	MATH 1132		3	0	
Indigenous Elective	OPT1	INDG 0000			3	0	
					16	5	1
ENVC-SEMC1							
Co-op Work Term 1		ENVC 1000			0	0	420
					0	0	420

Environmental Technology Co-op (ENVC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ENVC-SEM3							
Introductory Microbiology		BIOL 2100	BIOL 1131		2	2	1
Analytical Chemistry 1		CHEM 3131	CHEM 1200, CHEM 2131		2	3	
ECOLOGY		ENEC 2131			2	2	
Environmental Regulations		LAWW 2200			3	0	
ENVIRONMENTAL SAMPLING		QUAL 1132	ENVI 2131		2	2	
					11	9	1
ENVC-SEM4							
Analytical Instrumentation		CHEM 2206	CHEM 1202, CHEM 2131		2	2	
ENVIRONMENTAL CHEMISTRY		CHEM 3132	QUAL 1132		2	2	
Analytical Chemistry 2		CHEM 4131	CHEM 3131		2	3	
INTRODUCTION TO GIS & AUTOCAD		ENIG 3131			0	3	
General Elective Credit		GNED 0000			3	0	
APPLIED ENVIRONMENTAL MICROBIOLOGY		MICR 2132	MICR 1131		2	2	1
					11	12	1
ENVC-SEMC2							
Co-op Work Term 2		ENVC 2000			0	0	420
					0	0	420

Environmental Technology Co-op (ENVC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
ENVC-SEM5							
Spectroscopy 1		CHEM 3105	CHEM 2206		2	2	
Chromatography 1		CHEM 3106	CHEM 2206		2	2	
TOPICS IN ENVIRONMENTAL SCIENCE		ENVI 3132	CHEM 3132		2	2	
ENVIRONMENTAL PROJECT MANAGEMENT		ETEP 5131	CHEM 3132	ENVI 3132	1	1	
General Elective Credit		GNED 0000			3	0	
INDUSTRIAL WASTE		WAST 3131			3	0	
					13	7	
ENVC-SEM6							
Spectroscopy 2		CHEM 3201	CHEM 3105		2	2	
Chromatography 2		CHEM 3202	CHEM 3105, CHEM 3106		2	2	
ENVIRONMENTAL ENGINEERING		ENGR 1131	ENVI 3132		2	2	
URBAN ENVIRONMENTAL PLANNING		PLAN 3131	ENVI 2131		3	0	
ENVIRONMENTAL ENFORCEMENT		REGS 2131	REGS 1131		3	0	
ENVIRONMENTAL TOXICOLOGY		TOXI 1131	CHEM 3132		3	0	
					15	6	

Health Care Technology Mgmt (HCTM)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HCTM-SEM1						
HUMAN ANATOMY AND PHYSIOLOGY	ANAT 11001			3	0	
Communications 1: Critical Thinking and Writing	COMM 11010			3	0	
ELECTRICAL CIRCUITS FOR HEALTH CARE TECHNOLOGY	HCTM 11001			3	2	
INTRODUCTION TO HEALTH CARE TECHNOLOGY MANAGEMENT	HCTM 11002			3	0	
MATH FOR HEALTH CARE TECHNOLOGY MANAGEMENT	MATH 11003			3	0	
				15	2	
HCTM-SEM2						
Breadth Elective Credit	BRTH 00000			3	0	
INTRODUCTION TO ECONOMICS	ECON 12004	MATH 11003		3	0	
FUNDAMENTALS OF DIGITAL ELECTRONICS	HCTM 12001	HCTM 11001		3	2	
BIOMEDICAL NOMENCLATURE AND DEVICES I	HCTM 12003	ANAT 11001, HCTM 11002		3	2	
PHYSICS FOR HEALTH CARE TECHNOLOGY MANAGEMENT	PHYS 12002	MATH 11003		3	0	
				15	4	
HCTM-SEM3						
Breadth Elective Credit	BRTH 00000			3	0	
FINANCIAL MANAGEMENT AND ACCOUNTING	FINC 21001	MATH 11003		3	0	
BIOMEDICAL NOMENCLATURE AND DEVICES II	HCTM 21001	HCTM 12003		3	2	
MEDICAL ELECTRONICS I	HCTM 21002	HCTM 11001, HCTM 12001		3	2	
QUANTITATIVE METHODS IN HEALTH CARE MANAGEMENT I	HCTM 21003	MATH 11003		3	0	
				15	4	

Health Care Technology Mgmt (HCTM)

Weekly
Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
HCTM-SEM4							
Breadth Elective Credit		BRTH 00000			3	0	
BIOMATERIALS		HCTM 22001	ANAT 11001, PHYS 12002		3	0	
MEDICAL ELECTRONICS II		HCTM 22002	HCTM 21002		3	2	
QUANTITATIVE METHODS IN HEALTH CARE MANAGEMENT II		HCTM 22003	HCTM 21003		3	0	
CANADIAN HEALTH CARE SYSTEM		HCTM 22004	HCTM 11002		3	0	
					15	2	
HCTM-SEM5							
Communications II: Technical Communications and Reporting		COMM 31005			3	0	
HEALTH ECONOMICS		ECON 31003	HCTM 22003		3	0	
IT CONCEPTS IN HEALTH CARE TECHNOLOGY MANAGEMENT		HCTM 31001	HCTM 12001		2	1	
HEALTH CARE SYSTEM PROCESS IMPROVEMENT		HCTM 31002	HCTM 21003		3	0	
BIOMEDICAL INSTRUMENTATION RESEARCH AND DESIGN I		HCTM 31004	HCTM 22002	HCTM 31001	3	2	
					14	3	
HCTM-SEM6							
NETWORKING AND INFORMATION EXCHANGE		HCTM 32001	HCTM 31001, HCTM 31004		3	0	
HEALTH CARE RISK MANAGEMENT AND PATIENT SAFETY I		HCTM 32002	HCTM 21001		3	0	
PROJECT MANAGEMENT		HCTM 32003			3	0	
BIOMEDICAL INSTRUMENTATION RESEARCH AND DESIGN II		HCTM 32004	HCTM 31004		3	2	
PREPARING FOR PROFESSIONAL PRACTICE		HCTM 32006			0	0	
PRINCIPLES OF MARKETING AND SALES MANAGEMENT		MGMT 32005			3	0	
					15	2	

Health Care Technology Mgmt (HCTM)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HCTM-SEMF							
FIELD PLACEMENT	MOD3	HCTM 33001			0	0	420
					0	0	420
HCTM-SEM7							
Breadth Elective Credit		BRTH 00000			3	0	
DIAGNOSTIC MEDICAL SYSTEMS I		HCTM 41001			3	2	
HEALTH CARE RISK MANAGEMENT AND PATIENT SAFETY II		HCTM 41002	HCTM 32002		3	0	
HEALTH CARE TECHNOLOGY ASSESSMENT AND MANAGEMENT PROJECT I		HCTM 41003			3	0	
HEALTH INFORMATICS AND ANALYTICS		HCTM 41004	HCTM 22003		3	0	
					15	2	
HCTM-SEM8							
Breadth Elective Credit		BRTH 00000			3	0	
ETHICS/WORKPLACE PRACTICES		ETHC 42004	HCTM 33001		3	0	
DIAGNOSTIC MEDICAL SYSTEMS II		HCTM 42001	HCTM 41001		3	2	
HEALTH CARE TECHNOLOGY ASSESSMENT AND MANAGEMENT PROJECT II		HCTM 42003	HCTM 41003		3	0	
MANAGEMENT IN HEALTH CARE		HCTM 42004	HCTM 22004, HCTM 33001		3	0	
					15	2	

Hon Bach Cnst Mgmt WT CETY Pth (HBYW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBYW-SEM1						
Introduction to Architectural and Engineering Design	ARCH 12001			3	0	
Building Science and Systems	ARCH 22002	ENGR 11001		3	0	
Business Foundations	COMR 12001			2	1	
Quality Assurance and Quality Control in Construction	ENGR 22002	MGMT 21001, MGMT 21002		3	0	
Field Placement Preparation	FDPL 22001	SPEC 0000		1	0	
Construction Estimating 2	MGMT 12001	MGMT 11002		1	2	
				13	3	
HBYW-SEM2						
Work Integrated Learning	HBCM 23000			0	0	420
				0	0	420
HBYW-SEM2						
Breadth Elective Credit	BRTH 00000			3	0	
Construction Organizational Behaviour	HURM 31001	COMR 12001		3	0	
Construction Planning and Scheduling	MGMT 21001	ENGR 11001, MGMT 12001		0	3	
Construction Costs and Bidding	MGMT 31001	MGMT 12001		2	2	
Research Methods	RSCH 31001			3	0	
				11	5	

Hon Bach Cnst Mgmt WT CETY Pth (HBYW)

Weekly Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBYW-SEM3						
Project Accounting Control	ACCT 32000	MGMT 31001		2	2	
Breadth Elective Credit	BRTH 00000			3	0	
Construction Project Financial Analysis	FINC 32000			3	0	
Building Codes and Regulations	LAWW 32000	ARCH 22002, ENGR 22001		3	0	
Management of Construction Sites	MGMT 32000	MGMT 21001		3	0	
				14	2	
HBYW-SEMF						
Work Integrated Learning	HBCM 33000			0	0	420
				0	0	420
HBYW-SEM4						
Sustainable Building Construction	ARCH 41000			3	0	
Breadth Elective Credit	BRTH 00000			3	0	
Human Resources and Labour Relations Research	HURM 41000	MGMT 32000		2	2	
Construction Contract Administration and Law	LAWW 41000	LAWW 31001		3	0	
Business Management and Strategy	MGMT 41000	HURM 31001		3	0	
				14	2	
HBYW-SEM5						
Breadth Elective Credit	BRTH 00000			3	0	
Integrative Project Studio	HBCM 42000	RSCH 31001		1	3	
Construction Project Delivery Systems	MGMT 42000	LAWW 41000		3	0	
Leadership in Construction Project Management	MGMT 42001	HURM 41000		3	0	
Construction Supply Chain and Risk Management	SCMT 42000	MGMT 21001		3	0	
				13	3	

Hon Bach Const Mgmt CETY Pthwy (HBCC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCC-SEM1							
Introduction to Architectural and Engineering Design		ARCH 12001			3	0	
Building Science and Systems		ARCH 22002	ENGR 11001		3	0	
Business Foundations		COMR 12001			2	1	
Quality Assurance and Quality Control in Construction		ENGR 22002	MGMT 21001, MGMT 21002		3	0	
Field Placement Preparation		FDPL 22001	SPEC 0000		1	0	
Construction Estimating 2		MGMT 12001	MGMT 11002		1	2	
					13	3	
HBCC-SEM2							
Breadth Elective Credit		BRTH 00000			3	0	
Construction Organizational Behaviour		HURM 31001	COMR 12001		3	0	
Construction Planning and Scheduling		MGMT 21001	ENGR 11001, MGMT 12001		0	3	
Construction Costs and Bidding		MGMT 31001	MGMT 12001		2	2	
Research Methods		RSCH 31001			3	0	
					11	5	
HBCC-SEM3							
Project Accounting Control		ACCT 32000	MGMT 31001		2	2	
Breadth Elective Credit		BRTH 00000			3	0	
Construction Project Financial Analysis		FINC 32000			3	0	
Building Codes and Regulations		LAWW 32000	ARCH 22002, ENGR 22001		3	0	
Management of Construction Sites		MGMT 32000	MGMT 21001		3	0	
					14	2	

Hon Bach Const Mgmt CETY Pthwy (HBCC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCC-SEM F						
Work Integrated Learning	HBCM 33000			0	0	420
				0	0	420
HBCC-SEM4						
Sustainable Building Construction	ARCH 41000			3	0	
Breadth Elective Credit	BRTH 00000			3	0	
Human Resources and Labour Relations Research	HURM 41000	MGMT 32000		2	2	
Construction Contract Administration and Law	LAWW 41000	LAWW 31001		3	0	
Business Management and Strategy	MGMT 41000	HURM 31001		3	0	
				14	2	
HBCC-SEM5						
Breadth Elective Credit	BRTH 00000			3	0	
Integrative Project Studio	HBCM 42000	RSCH 31001		1	3	
Construction Project Delivery Systems	MGMT 42000	LAWW 41000		3	0	
Leadership in Construction Project Management	MGMT 42001	HURM 41000		3	0	
Construction Supply Chain and Risk Management	SCMT 42000	MGMT 21001		3	0	
				13	3	

Hon Bach of Const Mgmt WT (HBCW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCW-SEM1							
Communications 1: Critical Thinking and Writing		COMM 11010			3	0	
Construction Methods, Materials, and Equipment		ENGR 11001			2	2	
Algebraic and Geometric Mathematics		MATH 11001			3	1	
Introduction to Construction Management		MGMT 11001			3	0	
Construction Estimating 1		MGMT 11002			1	2	
					12	5	
HBCW-SEM2							
Introduction to Architectural and Engineering Design		ARCH 12001			3	0	
Breadth Elective Credit		BRTH 00000			3	0	
Business Foundations		COMR 12001			2	1	
Introduction to Calculus for Construction		MATH 12002	MATH 11001		3	1	
Construction Estimating 2		MGMT 12001	MGMT 11002		1	2	
					12	4	
HBCW-SEM3							
Building Information Modelling 1: Drafting and Drawings		ARCH 21001	ARCH 12001		0	3	
Technical Writing		COMM 11000			3	0	
Materials Science and Testing		ENGR 21001	ENGR 11001		2	2	
Construction Planning and Scheduling		MGMT 21001	ENGR 11001, MGMT 12001		0	3	
Foundations of Project Management		MGMT 21002			3	0	
					8	8	

Hon Bach of Const Mgmt WT (HBCW)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCW-SEM4						
Building Information Modelling 2: Advanced	ARCH 22001	ARCH 21001, MGMT 21001		0	3	
Building Science and Systems	ARCH 22002	ENGR 11001		3	0	
Breadth Elective Credit	BRTH 00000			3	0	
Building Structures	ENGR 22001	ENGR 11001		3	0	
Quality Assurance and Quality Control in Construction	ENGR 22002	MGMT 21001, MGMT 21002		3	0	
Field Placement Preparation	FDPL 22001	SPEC 0000		1	0	
				13	3	
HBCW-SEM4						
Work Integrated Learning	HBCM 23000			0	0	420
				0	0	420
HBCW-SEM5						
Breadth Elective Credit	BRTH 00000			3	0	
Construction Organizational Behaviour	HURM 31001	COMR 12001		3	0	
Introduction to Construction Law	LAWW 31001			3	0	
Construction Costs and Bidding	MGMT 31001	MGMT 12001		2	2	
Research Methods	RSCH 31001			3	0	
				14	2	

Hon Bach of Const Mgmt WT (HBCW)

Weekly Breakdown

Course Name	Mod Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
HBCW-SEM6						
Project Accounting Control	ACCT 32000	MGMT 31001		2	2	
Breadth Elective Credit	BRTH 00000			3	0	
Construction Project Financial Analysis	FINC 32000			3	0	
Building Codes and Regulations	LAWW 32000	ARCH 22002, ENGR 22001		3	0	
Management of Construction Sites	MGMT 32000	MGMT 21001		3	0	
				14	2	
HBCW-SEMF						
Work Integrated Learning	HBCM 33000			0	0	420
				0	0	420
HBCW-SEM7						
Sustainable Building Construction	ARCH 41000			3	0	
Breadth Elective Credit	BRTH 00000			3	0	
Human Resources and Labour Relations Research	HURM 41000	MGMT 32000		2	2	
Construction Contract Administration and Law	LAWW 41000	LAWW 31001		3	0	
Business Management and Strategy	MGMT 41000	HURM 31001		3	0	
				14	2	
HBCW-SEM8						
Breadth Elective Credit	BRTH 00000			3	0	
Integrative Project Studio	HBCM 42000	RSCH 31001		1	3	
Construction Project Delivery Systems	MGMT 42000	LAWW 41000		3	0	
Leadership in Construction Project Management	MGMT 42001	HURM 41000		3	0	
Construction Supply Chain and Risk Management	SCMT 42000	MGMT 21001		3	0	
				13	3	

Hon Bach of Construction Mgmt (HBCM)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCM-SEM1							
Communications 1: Critical Thinking and Writing		COMM 11010			3	0	
Construction Methods, Materials, and Equipment		ENGR 11001			2	2	
Algebraic and Geometric Mathematics		MATH 11001			3	1	
Introduction to Construction Management		MGMT 11001			3	0	
Construction Estimating 1		MGMT 11002			1	2	
					12	5	
HBCM-SEM2							
Introduction to Architectural and Engineering Design		ARCH 12001			3	0	
Breadth Elective Credit		BRTH 00000			3	0	
Business Foundations		COMR 12001			2	1	
Introduction to Calculus for Construction		MATH 12002	MATH 11001		3	1	
Construction Estimating 2		MGMT 12001	MGMT 11002		1	2	
					12	4	
HBCM-SEM3							
Building Information Modelling 1: Drafting and Drawings		ARCH 21001	ARCH 12001		0	3	
Technical Writing		COMM 11000			3	0	
Materials Science and Testing		ENGR 21001	ENGR 11001		2	2	
Construction Planning and Scheduling		MGMT 21001	ENGR 11001, MGMT 12001		0	3	
Foundations of Project Management		MGMT 21002			3	0	
					8	8	

Hon Bach of Construction Mgmt (HBCM)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCM-SEM4						
Building Information Modelling 2: Advanced	ARCH 22001	ARCH 21001, MGMT 21001		0	3	
Building Science and Systems	ARCH 22002	ENGR 11001		3	0	
Breadth Elective Credit	BRTH 00000			3	0	
Building Structures	ENGR 22001	ENGR 11001		3	0	
Quality Assurance and Quality Control in Construction	ENGR 22002	MGMT 21001, MGMT 21002		3	0	
Field Placement Preparation	FDPL 22001	SPEC 0000		1	0	
				13	3	
HBCM-SEM5						
Breadth Elective Credit	BRTH 00000			3	0	
Construction Organizational Behaviour	HURM 31001	COMR 12001		3	0	
Introduction to Construction Law	LAWW 31001			3	0	
Construction Costs and Bidding	MGMT 31001	MGMT 12001		2	2	
Research Methods	RSCH 31001			3	0	
				14	2	
HBCM-SEM6						
Project Accounting Control	ACCT 32000	MGMT 31001		2	2	
Breadth Elective Credit	BRTH 00000			3	0	
Construction Project Financial Analysis	FINC 32000			3	0	
Building Codes and Regulations	LAWW 32000	ARCH 22002, ENGR 22001		3	0	
Management of Construction Sites	MGMT 32000	MGMT 21001		3	0	
				14	2	

Hon Bach of Construction Mgmt (HBCM)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBCM-SEMF						
Work Integrated Learning	HBCM 33000			0	0	420
				0	0	420
HBCM-SEM7						
Sustainable Building Construction	ARCH 41000			3	0	
Breadth Elective Credit	BRTH 00000			3	0	
Human Resources and Labour Relations Research	HURM 41000	MGMT 32000		2	2	
Construction Contract Administration and Law	LAWW 41000	LAWW 31001		3	0	
Business Management and Strategy	MGMT 41000	HURM 31001		3	0	
				14	2	
HBCM-SEM8						
Breadth Elective Credit	BRTH 00000			3	0	
Integrative Project Studio	HBCM 42000	RSCH 31001		1	3	
Construction Project Delivery Systems	MGMT 42000	LAWW 41000		3	0	
Leadership in Construction Project Management	MGMT 42001	HURM 41000		3	0	
Construction Supply Chain and Risk Management	SCMT 42000	MGMT 21001		3	0	
				13	3	

Honours Bachelor of AI (HBAI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBAI-SEM1						
Breadth Elective Credit	BRTH 00000			3	0	
Introduction to Artificial Intelligence	COSC 11000			3	0	
Introduction to Computer Programming	COSC 11001			3	0	
Introduction to Information Systems	INFT 11000			3	0	
Statistics	STAT 11000			3	0	
				15	0	
HBAI-SEM2						
Breadth Elective Credit	BRTH 00000			3	0	
Introduction to Data Science	COSC 12000	COSC 11001		3	0	
Programming for Artificial Intelligence	COSC 12001	COSC 11000, COSC 11001		3	0	
Discrete Math	MATH 12000			3	0	
Linear Algebra	MATH 12001			3	0	
				15	0	
HBAI-SEM3						
Breadth Elective Credit	BRTH 00000			3	0	
Introduction to Machine Learning	COSC 21000	COSC 12001, STAT 11000		3	0	
Data Structures and Algorithms	COSC 21001	MATH 12000		3	0	
Ethics and Privacy in Artificial Intelligence	ETHC 21000			3	0	
Calculus	MATH 21000			3	0	
				15	0	

Honours Bachelor of AI (HBAI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBAI-SEM4						
Breadth Elective Credit	BRTH 00000			3	0	
Machine Learning - Classification	COSC 22000	COSC 21000, MATH 21000		3	0	
Machine Learning - Regression	COSC 22001	COSC 21000, MATH 12001		3	0	
Data Management	INFT 22000	COSC 11001, COSC 21001		3	0	
Systems Analysis and Design	INFT 22001	INFT 11000		3	0	
				15	0	
HBAI-SEM5						
Breadth Elective Credit	BRTH 00000			3	0	
Introduction to Artificial Neural Networks	COSC 31000	COSC 21000, MATH 12001		3	0	
Data Visualization	COSC 31001	COSC 11001		3	0	
Human-Computer Interaction	COSC 31002			3	0	
Societal and Legal Issues in Artificial Intelligence	LAWW 31000	INFT 11000		3	0	
				15	0	
HBAI-SEM6						
Breadth Elective Credit	BRTH 00000			3	0	
Machine Learning - Clustering and Dimensionality Reduction	COSC 32000	COSC 21000, MATH 12001		3	0	
Computer Vision	COSC 32001	COSC 11001, MATH 12001, MATH 21000		3	0	
Natural Language Processing	COSC 32002	COSC 12001, STAT 11000		3	0	
Field Placement Preparation	FDPL 32000	SPEC 0000		1	0	
Research Methods	RSCH 32000			3	0	
				16	0	

Honours Bachelor of AI (HBAI)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
HBAI-SEMF						
Field Placement - Degree	HBAI 33000	SPEC 0000		0	0	420
				0	0	420
HBAI-SEM7						
Breadth Elective Credit	BRTH 00000			3	0	
Advanced Neural Networks: Deep Learning for Sequential Analysis	COSC 41000	COSC 31000, COSC 32002		3	0	
Advanced Neural Networks: Deep Learning for Spatial Analysis	COSC 41001	COSC 31000, COSC 32001		3	0	
Deploying Artificial Intelligence Systems	INFT 41000			3	0	
Project Management	PJMT 41000			3	0	
				15	0	
HBAI-SEM8						
Breadth Elective Credit	BRTH 00000			3	0	
Reinforcement Learning	COSC 42000	COSC 21000, COSC 31000		3	0	
Special Topics: Agile Artificial Intelligence	HBAI 42000	INFT 41000, PJMT 41000		3	0	
Capstone Project	HBAI 42001	COSC 31001, INFT 22001, INFT 41000		3	0	
Business Application of Artificial Intelligence	INFT 42000			3	0	
				15	0	

Mech Eng Non-Dest Fast-track (NDEF)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
NDEF-SEM1						
METALLURGY FOR NON-DESTRUCTIVE	METL 1132			2	3	
INTRODUCTION TO NON-DESTRUCTIVE TESTING	NDTE 1100		NDTE 1102	4	0	
NON-DESTRUCTIVE TESTING- LIQUID PENETRANT	NDTE 1102		NDTE 1100	1	2	
NON-DESTRUCTIVE TESTING- UT ULTRASONIC I	NDTE 3101	MATH 2133, PHYS 1131		2	2	
VISUAL TESTING	VISU 3100	NDTE 1100		2	2	
				11	9	
NDEF-SEM2						
TOPICS IN NDE	METO 4200			3	0	
NON DESTRUCTIVE TESTING - MAGNETIC PARTICLE	NDTE 2101	NDTE 1100		1	2	
NON-DESTRUCTIVE TESTING - ULTRASONIC II	NDTE 3102	NDTE 3101		3	3	
NON DESTRUCTIVE TESTING - EDDY CURRENT	NDTE 4101	ELEC 1133, MATH 2133, NDTE 1100		2	3	
RADIOGRAPHY & RADIATION SAFETY	RAD 4101	MATH 2133, NDTE 1100		5	0	
				14	8	

Mech Eng Non-Destructive Eval (NDE)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
NDE-SEM1							
Communication Foundations		COMM 1100			2	0	1
Mathematics for Technology I		MATH 1131			4	0	
Engineering Drawings		MECH 1104			3	0	
INTRODUCTION TO NON-DESTRUCTIVE TESTING		NDTE 1100		NDTE 1102	4	0	
NON-DESTRUCTIVE TESTING-LIQUID PENETRANT		NDTE 1102		NDTE 1100	1	2	
Physical Science		PHYS 1131			3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					20	2	1
NDE-SEM2							
Electrical Control Fundamentals		ELEC 1133	MATH 1132		2	2	
Fluid Power I		FLUD 1131			2	1	
MATHEMATICS FOR NDE		MATH 2133	MATH 1131		4	0	
Applied Mechanics		MECH 2103	PHYS 1131, STEM 1131		3	0	
NON DESTRUCTIVE TESTING - MAGNETIC PARTICLE		NDTE 2101	NDTE 1100		1	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					15	5	

Mech Eng Non-Destructive Eval (NDE)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
NDE-SEM3							
Career Planning & Development		CARR 2130			2	0	1
MEASUREMENT I		MEAS 4134	DRFT 1107, MATH 1131		2	2	
METALLURGY FOR NON-DESTRUCTIVE		METL 1132			2	3	
NON-DESTRUCTIVE TESTING- UT ULTRASONIC I		NDTE 3101	MATH 2133, PHYS 1131		2	2	
VISUAL TESTING		VISU 3100	NDTE 1100		2	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					13	9	1
NDE-SEM4							
TOPICS IN NDE		METO 4200			3	0	
NON-DESTRUCTIVE TESTING - ULTRASONIC II		NDTE 3102	NDTE 3101		3	3	
NON DESTRUCTIVE TESTING - EDDY CURRENT		NDTE 4101	ELEC 1133, MATH 2133, NDTE 1100		2	3	
RADIOGRAPHY & RADIATION SAFETY		RAD 4101	MATH 2133, NDTE 1100		5	0	
Statistical Methods in Quality Control		STAT 3136	STEM 1131		2	1	
					15	7	

Mech Eng Technology Co-Op (MECC)

Weekly Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
MECC-SEM1							
Communication Foundations		COMM 1100			2	0	1
Manufacturing Sciences		MANF 1131			1	3	
Mathematics for Technology I		MATH 1131			4	0	
Engineering Drawings		MECH 1104			3	0	
Engineering Graphics 1		MECH 1105			0	3	
Physical Science		PHYS 1131			3	0	
					13	6	1
MECC-SEM2							
Co-op and Career Preparation		COOP 1000			2	0	1
Electrical Control Fundamentals		ELEC 1133	MATH 1132		2	2	
Fluid Power I		FLUD 1131			2	1	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Engineering Graphics 2		MECH 1201	MECH 1104, MECH 1105		0	3	
Applied Mechanics		MECH 2103	PHYS 1131, STEM 1131		3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					16	6	1
MECC-SEMC1							
Co-op Work Term 1		MECC 1000			0	0	420
					0	0	420

Mech Eng Technology Co-Op (MECC)

Weekly Breakdown

Course Name		Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
MECC-SEM3								
Fluid Power II			FLUD 2132	FLUD 1131		2	2	
Fluid Mechanics			FLUD 4131	MECH 2103		3	0	
Manufacturing Processes			MANF 3131	MANF 1131		3	0	
Calculus			MATH 3132	MATH 2131		4	0	
Engineering Design Elements			MECH 2101	MECH 2100		3	0	
Computer Aided Design for Technology 1			MECH 2107	MECH 1201		0	4	
Mechanics of Materials			MECH 2108	MECH 2103		3	0	
						18	6	
MECC-SEM4								
Dynamics of Machines			MACH 3132	MECH 2103		3	0	
Computer Aided Manufacturing for Technology 1			MANF 2201	MANF 3131, MECH 2107		1	2	
Additive Manufacturing Fundamentals			MANF 2203	MANF 3131, MECH 2207		0	3	
Computer Aided Design for Technology 2			MECH 2204	MECH 2107		1	3	
Engineering Data Management			MECH 2205			2	1	
Thermodynamics			THER 1101	FLUD 4131, MATH 3132		3	0	
General Elective Credit		OPT1	GNED 0000			3	0	
						13	9	
MECC-SEMC2								
Co-op Work Term 2			MECC 2000			0	0	420
						0	0	420

Mech Eng Technology Co-Op (MECC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
MECC-SEM5							
Computer Aided Manufacturing for Technology 2		MANF 3100	MANF 2201		1	3	
Engineering Materials		MECH 2106			2	2	
Computer Aided Design and Engineering		MECH 3100	MECH 2204		0	4	
Metrology 1		MECH 3101	MANF 3131		2	2	
Tool Design		MECH 3102	MECH 2204		2	2	
Statistical Quality Control I		STAT 3134	MATH 2131		2	1	
					9	14	
MECC-SEM6							
Manufacturing Automation		MANF 3200	MANF 3100		1	3	
Materials and the Environment		MECH 2201	MANF 1131, MECH 2100		2	2	
Engineering Design Product		MECH 3200	MANF 1131, MECH 3100		0	5	
Metrology 2		MECH 3201	MECH 3101		2	2	
Statistical Quality Control II		STAT 4133	STAT 3134		2	1	
General Elective Credit	OPT1	GNED 0000			3	0	
					10	13	

Mechanical Eng Technician (METC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
METC-SEM1							
Communication Foundations		COMM 1100			2	0	1
Manufacturing Sciences		MANF 1131			1	3	
Mathematics for Technology I		MATH 1131			4	0	
Engineering Drawings		MECH 1104			3	0	
Engineering Graphics 1		MECH 1105			0	3	
Physical Science		PHYS 1131			3	0	
					13	6	1
METC-SEM2							
Career Planning & Development		CARR 2130			2	0	1
Electrical Control Fundamentals		ELEC 1133	MATH 1132		2	2	
Fluid Power I		FLUD 1131			2	1	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Engineering Graphics 2		MECH 1201	MECH 1104, MECH 1105		0	3	
Applied Mechanics		MECH 2103	PHYS 1131, STEM 1131		3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					16	6	1

Mechanical Eng Technician (METC)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
METC-SEM3							
Manufacturing Processes		MANF 3131	MANF 1131		3	0	
Computer Aided Design 1		MECH 2100	MECH 1201		1	3	
Engineering Design Elements		MECH 2101	MECH 2100		3	0	
Metrology Foundations		MECH 2105	MATH 1131, MECH 1201		2	2	
Engineering Materials		MECH 2106			2	2	
General Elective Credit	OPT1	GNED 0000			3	0	
					14	7	
METC-SEM4							
Computer Aided Manufacturing 1		MANF 2200			1	2	
Computer Aided Design 2		MECH 2200	MECH 2100		1	3	
Materials and the Environment		MECH 2201	MANF 1131, MECH 2100		2	2	
Computer Numerical Control Programming		MECH 2202	MECH 2106		1	2	
Quality Inspection Systems		MECH 2203	MANF 1131, MECH 2100		1	2	
Statistical Methods in Quality Control		STAT 3136	STEM 1131		2	1	
General Elective Credit	OPT1	GNED 0000			3	0	
					11	12	

Mechanical Eng Technology (METY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
METY-SEM1							
Communication Foundations		COMM 1100			2	0	1
Manufacturing Sciences		MANF 1131			1	3	
Mathematics for Technology I		MATH 1131			4	0	
Engineering Drawings		MECH 1104			3	0	
Engineering Graphics 1		MECH 1105			0	3	
Physical Science		PHYS 1131			3	0	
					13	6	1
METY-SEM2							
Career Planning & Development		CARR 2130			2	0	1
Electrical Control Fundamentals		ELEC 1133	MATH 1132		2	2	
Fluid Power I		FLUD 1131			2	1	
Mathematics for Technology II		MATH 2131	STEM 1131		4	0	
Engineering Graphics 2		MECH 1201	MECH 1104, MECH 1105		0	3	
Applied Mechanics		MECH 2103	PHYS 1131, STEM 1131		3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					16	6	1

Mechanical Eng Technology (METY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
METY-SEM3							
Fluid Power II		FLUD 2132	FLUD 1131		2	2	
Fluid Mechanics		FLUD 4131	MECH 2103		3	0	
Manufacturing Processes		MANF 3131	MANF 1131		3	0	
Calculus		MATH 3132	MATH 2131		4	0	
Engineering Design Elements		MECH 2101	MECH 2100		3	0	
Computer Aided Design for Technology 1		MECH 2107	MECH 1201		0	4	
Mechanics of Materials		MECH 2108	MECH 2103		3	0	
					18	6	
METY-SEM4							
Dynamics of Machines		MACH 3132	MECH 2103		3	0	
Computer Aided Manufacturing for Technology 1		MANF 2201	MANF 3131, MECH 2107		1	2	
Additive Manufacturing Fundamentals		MANF 2203	MANF 3131, MECH 2207		0	3	
Computer Aided Design for Technology 2		MECH 2204	MECH 2107		1	3	
Engineering Data Management		MECH 2205			2	1	
Thermodynamics		THER 1101	FLUD 4131, MATH 3132		3	0	
General Elective Credit	OPT1	GNED 0000			3	0	
					13	9	

Mechanical Eng Technology (METY)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
METY-SEM5							
Computer Aided Manufacturing for Technology 2		MANF 3100	MANF 2201		1	3	
Engineering Materials		MECH 2106			2	2	
Computer Aided Design and Engineering		MECH 3100	MECH 2204		0	4	
Metrology 1		MECH 3101	MANF 3131		2	2	
Tool Design		MECH 3102	MECH 2204		2	2	
Statistical Quality Control I		STAT 3134	MATH 2131		2	1	
					9	14	
METY-SEM6							
Manufacturing Automation		MANF 3200	MANF 3100		1	3	
Materials and the Environment		MECH 2201	MANF 1131, MECH 2100		2	2	
Engineering Design Product		MECH 3200	MANF 1131, MECH 3100		0	5	
Metrology 2		MECH 3201	MECH 3101		2	2	
Field Placement		METY 3200			0	0	80
Statistical Quality Control II		STAT 4133	STAT 3134		2	1	
General Elective Credit	OPT1	GNED 0000			3	0	
					10	13	80

Pharmaceutical Science (PHRS)

Weekly
Breakdown

<i>Course Name</i>	<i>Mod</i>	<i>Code</i>	<i>Prerequisites</i>	<i>Corequisites</i>	<i>Lec Hrs</i>	<i>Lab Hrs</i>	<i>FP/Alt Hrs</i>
PHRS-SEM1							
Microbiology		BIOL 1103			2	2	1
Principles of Analytic Chemistry		CHEM 1105			2	2	
Instrumental Analysis		CHEM 1106		CHEM 1105	2	2	
Technical Writing for Pharmaceutical Industry		COMM 1115		PHRM 1103, PHRM 1104	3	0	
Pharmacology		PHRM 1102			3	0	
Fundamentals of the Pharmaceutical Industry		PHRM 1103			2	2	
Good Manufacturing Practices		PHRM 1104		PHRM 1103	3	0	
					17	8	1
PHRS-SEM2							
Chromatography		CHEM 1203	CHEM 1105, CHEM 1106		2	2	
Spectroscopy		CHEM 1204	CHEM 1105, CHEM 1106		2	2	
Pharmaceutical Microbiology		PHRM 1201	BIOL 1103		2	2	
Pharmaceutical Quality Control and Quality Assurance		PHRM 1202	COMM 1115, PHRM 1104		3	0	
Advanced Pharmaceutics		PHRM 1203	CHEM 1105, CHEM 1106, PHRM 1103		2	2	
Biopharmaceuticals, Cannabis and Natural Health Products		PHRM 1204	PHRM 1103, PHRM 1104	PHRM 1202	3	0	
					14	8	
PHRS-SEM3							
Placement		PHRS 1300	SPEC 0000		0	0	280
					0	0	280