

# ***Program of Study Report***

*Term Code: 202043*

*Program: ARHY*

*Division: SQ*

*Report Output: pdf*

## 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>
<b>ARHY-SEM1</b>							
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
HISTORY OF ARCHITECTURE		HIST 1130			3	0	
MATHEMATICS FOR ARCHITECTURE		MATH 1161			4	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
					<b>13</b>	<b>9</b>	<b>2</b>
<b>ARHY-SEM2</b>							
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			2	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>10</b>	<b>11</b>	

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>
<b>ARHY-SEM3</b>							
ARCHITECTURAL DRAFTING AND DETAILING III		ATAD 3131	ATAD 2131		0	6	
BUILDING INFORMATION MODELLING I		ATBI 3135	ATAC 2132, ATAD 2131	ATBS 2134	1	3	
BUILDING SERVICES AND ENVIRONMENTAL SYSTEMS		ATBS 2134	BULD 1000		4	0	
CONSTRUCTION MATERIALS AND PROCESSES III		ATCM 4134	ATCM 3133		2	1	
PROJECT ESTIMATING I		ATPE 3132	ATAM 2135		3	0	
STRUCTURES I		ATST 2133	ATAM 2135, ATOB 4135		3	0	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>16</b>	<b>10</b>	
<b>ARHY-SEM4</b>							
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	TECH 1130		2	0	1
Modern Architecture: History and Theory		HIST 2600			3	0	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>14</b>	<b>8</b>	<b>1</b>

## Architecture Technology (ARHY)

Weekly  
Breakdown

Course Name	Mod Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
<b>ARHY-SEM5</b>						
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 4131		2	0	
PRESERVATION, REHABILITATION AND RESTORATION OF HERITAGE BUILDINGS	ATPR 5132	ATCM 4134		2	0	
WRITING CONSTRUCTION SPECS	ATWC 5134	ATCM 4134, TECH 1130		3	0	
DESIGN CONCEPTS FOR SUSTAINABLE BUILDING 1	EMDC 3000	ATCM 4134		3	0	
FIELD PLACEMENT	PLAC 1100			0	0	80
				<b>12</b>	<b>4</b>	<b>86</b>
<b>ARHY-SEM6</b>						
ARCHITECTURAL PROJECT II	ATAP 6133	ATAP 5131		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		ATAP 6133	2	0	
				<b>12</b>	<b>0</b>	<b>86</b>

**NOTES:**

**OPT1/OPT2/OPT3 - OPTIONS - Students choose subjects. OPT1 subjects are included in total hours per week.**

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: BIOTECH ADV*

*Division: All*

*Report Output: pdf*

## Biotechnology - Advanced (BITY)

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>
<b>BITY-SEM1</b>							
BIOLOGY		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		TECH 1131	3	3	
MATHEMATICS		MATH 1132			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
ANALYTICAL TECHNIQUES		TECH 1131			1	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>14</b>	<b>7</b>	<b>1</b>
<b>BITY-SEM2</b>							
INTRODUCTION TO BIOTECHNOLOGY		BIOT 1131	BIOL 1131		3	0	
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		2	0	1
CHEMISTRY II		CHEM 2131	CHEM 1131, TECH 1131		2	3	
MATHEMATICS II		MATH 2132	MATH 1132		3	0	
ORGANIC CHEMISTRY I		ORGN 1131	CHEM 1131, TECH 1131		3	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>16</b>	<b>5</b>	<b>1</b>
<b>BITY-SEM3</b>							
BIOCHEMISTRY I		BIOC 3131	CHEM 2131, ORGN 1131		2	3	
ANALYTICAL CHEMISTRY I		CHEM 3131	CHEM 2131, COMM 1820		2	3	
ANALYTICAL INSTRUMENTATION		INST 2134	CHEM 2131, ORGN 1131		2	2	
INTRODUCTORY MICROBIOLOGY		MICR 1131	BIOL 1131		2	2	1
STATS FOR SCIENCE		STSC 3132	MATH 2132		0	2	1
					<b>8</b>	<b>12</b>	<b>2</b>

## Biotechnology - Advanced (BITY)

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>
<b>BITY-SEM4</b>							
BIOCHEMISTRY II		BIOC 4131	BIOC 3131		2	3	
DNA TECHNIQUES		BIOT 3131	BIOT 1131, MICR 1131		1	4	
ANALYTICAL CHEMISTRY II		CHEM 4131	CHEM 3131		2	3	
FOOD MICROBIOLOGY		MICR 2131	MICR 1131		2	2	1
PHARMACEUTICS		PHRM 3131	CHEM 3131		2	2	
					<b>9</b>	<b>14</b>	<b>1</b>
<b>BITY-SEM5</b>							
PROTEIN TECHNIQUES		BIOT 4133	BIOC 3131, BIOT 1131		1	4	
CELL BIOLOGY		BIOT 5131	BIOT 3131		2	2	
SPECTROSCOPY I		INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I		INST 5132	CHEM 3131, INST 2134		2	2	
DIAGNOSTIC MICROBIOLOGY		MICR 2133	MICR 2131		2	2	1
FIELD PLACEMENT		PLAC 1100			0	0	80
					<b>9</b>	<b>12</b>	<b>81</b>

## Biotechnology - Advanced (BITY)

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>
<b>BITY-SEM6</b>							
BIO-REGULATIONS		BIOT 4131		BIOT 6131	2	0	
BIO-PROCESSING		BIOT 6131	BIOT 4133	BIOT 4131	1	3	
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
SPECTROSCOPY II		INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II		INST 6132	INST 5132		2	2	
PHARMACEUTICAL MICROBIOLOGY		MICR 2134	MICR 2133		1	2	1
FIELD PLACEMENT		PLAC 1100			0	0	80
PHARMACEUTICAL QA/QC		QAQC 6100	PHRM 3131		2	0	
					13	9	81

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**MOD1/MOD2 - course is delivered over a portion of the semester.**



# ***Program of Study Report***

*Term Code: 202043*

*Program: BIOMEDICAL*

*Division: SQ*

*Report Output: pdf*

Biomedical Eng Technology (BMTY)

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>
<b>BMTY-SEM1</b>						
ANATOMY AND PHYSIOLOGY	BIOL 1507			3	0	
INTRODUCTION TO BIOMEDICAL ENGINEERING TECHNOLOGY	BMET 1100			3	0	
DIGITAL FUNDAMENTALS	DGFN 1131			2	2	
ELECTRICITY I	ELEC 1131			3	2	
MATHEMATICS FOR TECHNOLOGY I	MATH 1131			4	0	
PHYSICAL SCIENCE BIOMED TECHNOLOGY	PHYS 1132			3	0	
				<b>18</b>	<b>4</b>	
<b>BMTY-SEM2</b>						
BIOMEDICAL TERMS AND DEVICES I	BMDV 4131	BIOL 1507		2	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 BIOMEDICAL TECHNOLOGY	PROG 1331			0	2	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY	TECH 1130			2	0	1
				<b>14</b>	<b>10</b>	<b>1</b>

## Biomedical Eng Technology (BMTY)

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>
<b>BMTY-SEM3</b>							
					0	0	
BIOMEDICAL TERMS & DEVICES II		BMDV 5131	BMDV 4131		2	2	
ELECTRONIC CIRCUITS II		CIRE 2132	CIRE 1131		3	2	
COMPUTERS AND NETWORKING I		COMP 4131			2	2	
ELECTRONIC DESIGN AUTOMATION FOR BIOMEDICAL MICROPROCESSORS I		EDA 3100			0	3	
		MPRO 1131	DGFN 2131		1	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>11</b>	<b>11</b>	
<b>BMTY-SEM4</b>							
BIOMEDICAL TERMS & DEVICES III		BMDV 6131	BMDV 5131		2	2	
ELECTRICAL CONTROLS FOR BIOMEDICAL TECHNOLOGY		BMEC 5100	ELEC 2131		2	2	
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		2	0	1
ELECTRONIC CIRCUITS III		CIRE 3132	CIRE 2132		2	2	
COMPUTERS & NETWORKING II		COMP 6131	COMP 4131		2	2	
					<b>10</b>	<b>8</b>	<b>1</b>

Biomedical Eng Technology (BMTY)

Weekly Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
<b>BMTY-SEM5</b>							
					0	0	
DIALYSIS I		BMDL 5131	BIOL 1507, BMDV 4131		2	2	
BIOMEDICAL TECHNOLOGY MANAGEMENT		BMGM 5131	BMDV 5131		2	0	
BIOMEDICAL INSTRUMENTATION I		BMIN 5131	CIRE 3132, DGFN 2131		2	3	
MEDICAL IMAGING SYSTEMS I		BMIS 5131	CIRE 3132		2	2	
SAFETY STANDARDS & RISK MGMT		BMSS 6131	BMDV 5131		2	0	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>13</b>	<b>7</b>	
<b>BMTY-SEM6</b>							
					0	0	
CUSTOMER CARE & SERVICE		BMCS 6131	BMDV 5131		2	0	
DIALYSIS II		BMDL 6131	BMDL 5131		2	2	
BIOMEDICAL INSTRUMENTATION II		BMIN 6131	BMIN 5131		2	3	
MEDICAL IMAGING SYSTEMS II		BMIS 6131	BMIS 5131		2	2	
SAFETY STANDARDS/RISK MGMT II		BMSS 7131	BMSS 6131		2	0	
FIELD PLACEMENT & REPORT		FWBM 6131	BMDV 6131, BMIN 5131, BMSS 6131	BMCS 6131	0	0	200
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>13</b>	<b>7</b>	<b>200</b>

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# ***Program of Study Report***

*Term Code: 202043*

*Program: BIOTEC ADV F*

*Division: All*

*Report Output: pdf*

Biotechnology - Adv Fast Track (BTYF)

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>
<b>BTYF-SEM1</b>						
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		INST 5131	0	0	1
SPECTROSCOPY I	INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I	INST 5132	CHEM 3131, INST 2134		2	2	
INTRODUCTORY MICROBIOLOGY	MICR 1131	BIOL 1131		2	2	1
				<b>9</b>	<b>12</b>	<b>2</b>
<b>BTYF-SEM2</b>						
DNA TECHNIQUES	BIOT 3131	BIOT 1131, MICR 1131		1	4	
BIO-REGULATIONS	BIOT 4131		BIOT 6131	2	0	
BIO-PROCESSING	BIOT 6131	BIOT 4133	BIOT 4131	1	3	
SPECTROSCOPY II	INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II	INST 6132	INST 5132		2	2	
PHARMACEUTICAL MICROBIOLOGY	MICR 2134	MICR 2133		1	2	1
PHARMACEUTICS	PHRM 3131	CHEM 3131		2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
				<b>11</b>	<b>15</b>	<b>81</b>

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**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: CIVIL ENG TN*

*Division: SQ*

*Report Output: pdf*

## 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>
<b>CETC-SEM1</b>						
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	
GENERAL ELECTIVE CREDIT	GNEC 0000			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY	TECH 1130			2	0	1
				<b>14</b>	<b>8</b>	<b>1</b>
<b>CETC-SEM2</b>						
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		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	GNEC 0000			3	0	
				<b>13</b>	<b>10</b>	<b>1</b>



## 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>
<b>CETC-SEM3</b>						
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	
				<b>11</b>	<b>9</b>	<b>1</b>
<b>CETC-SEM4</b>						
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
				<b>11</b>	<b>9</b>	<b>1</b>

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# ***Program of Study Report***

*Term Code: 202043*

*Program: CIVIL ENG TY*

*Division: SQ*

*Report Output: pdf*

## 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>
<b>CETY-SEM1</b>							
					0	0	
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	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
GENERAL ELECTIVE CREDIT	OPT1	GNEC 0000			3	0	
					<b>14</b>	<b>8</b>	<b>1</b>
<b>CETY-SEM2</b>							
					0	0	
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		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	GNEC 0000			3	0	
					<b>13</b>	<b>10</b>	<b>1</b>

## 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>
<b>CETY-SEM3</b>						
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	
				<b>11</b>	<b>9</b>	<b>1</b>
<b>CETY-SEM4</b>						
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	
				<b>11</b>	<b>9</b>	

Civil Engineering Technology (CETY)

Weekly  
Breakdown

Course Name	Mod Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
<b>CETY-SEM5</b>						
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
				<b>14</b>	<b>9</b>	<b>81</b>
<b>CETY-SEM6</b>						
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
				<b>14</b>	<b>2</b>	<b>87</b>

**NOTES:**  
**OPT1/OPT2/OPT3 - OPTIONS - Students choose subjects. OPT1 subjects are included in total hours per week.**  
**GNED - Courses with this Subject Code are "General Education" subjects, GNED 0000 you are required to choose a 'General Education Elective' that term when you register.**  
**SPEC 0000 - when displays as a pre-requisite you are required to have passed all previous courses and have a GPA of 2.0.**  
**COOP - the co-op work term takes place in the following semester (spring/summer).**  
**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: CHEMICAL ENG*

*Division: All*

*Report Output: pdf*

## Chemical Engin Technology (CHEM)

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>
<b>CHEM-SEM1</b>						
Chemistry 1	CHEM 1131		TECH 1131	3	3	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
MATHEMATICS FOR TECHNOLOGY I	MATH 1131			4	0	
PHYSICAL SCIENCE	PHYS 1131			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY	TECH 1130			2	0	1
ANALYTICAL TECHNIQUES	TECH 1131			1	2	
				<b>16</b>	<b>5</b>	<b>1</b>
<b>CHEM-SEM2</b>						
CHEMISTRY II	CHEM 2131	CHEM 1131, TECH 1131		2	3	
ELECTRICAL CONTROL FUNDAMENTALS	ELEC 1133	MATH 1131		2	2	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
MATHEMATICS FOR TECHNOLOGY II	MATH 2131	STEM 1131		4	0	
APPLIED MECHANICS	MECH 2103	STEM 1131		3	0	
ORGANIC CHEMISTRY I	ORGN 1131	CHEM 1131, TECH 1131		3	2	
				<b>17</b>	<b>7</b>	
<b>CHEM-SEM3</b>						
ANALYTICAL CHEMISTRY I	CHEM 3131	CHEM 2131, COMM 1820		2	3	
FLUID MECHANICS	FLUD 4131	MECH 2103		3	0	
CALCULUS	MATH 3132	MATH 2131		4	0	
ORGANIC CHEMISTRY II	ORGN 2131	ORGN 1131, TECH 1131		2	3	
PHYSICAL CHEMISTRY	PHYC 3100	CHEM 2131		2	2	
STATS FOR SCIENCE	STSC 3132	MATH 2132		0	2	1
				<b>13</b>	<b>10</b>	<b>1</b>

## Chemical Engin Technology (CHEM)

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>
<b>CHEM-SEM4</b>						
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		2	0	1
ANALYTICAL CHEMISTRY II	CHEM 4131	CHEM 3131		2	3	
INDUSTRIAL CHEMISTRY	INDC 4100	PHYC 3100		2	2	
ANALYTICAL INSTRUMENTATION	INST 2134	CHEM 2131, ORGN 1131		2	2	
ENVIRONMENTAL REGULATIONS	REGS 1131			3	0	
THERMODYNAMICS	THER 1101	FLUD 4131, MATH 3132		3	0	
				<b>14</b>	<b>7</b>	<b>1</b>
<b>CHEM-SEM5</b>						
APPLIED AUTOCAD	ACAD 1101			0	3	
SPECTROSCOPY I	INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I	INST 5132	CHEM 3131, INST 2134		2	2	
MATERIALS	MATL 1000	INDC 4100		2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
INDUSTRIAL WASTE	WAST 3131			3	0	
				<b>9</b>	<b>9</b>	<b>80</b>
<b>CHEM-SEM6</b>						
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
INDUSTRIAL CHEMICAL PROCESSES	INDC 6100	MATL 1000		3	2	
SPECTROSCOPY II	INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II	INST 6132	INST 5132		2	2	
NUCLEAR PHYSICS	NUCL 5100	CHEM 2131, MATH 2131		3	0	
FIELD PLACEMENT	PLAC 1100			0	0	80
				<b>13</b>	<b>6</b>	<b>80</b>



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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: CHLF*

*Division: All*

*Report Output: pdf*

## Chemical Lab Tech - Fast Track (CHLF)

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>
<b>CHLF-SEM1</b>						
Fundamentals of Analytical and Organic Chemistry	CHEM 1133		INST 5131	0	0	1
FOOD AND DRUG LAWS REGULATIONS	FDLR 1131			3	0	
SPECTROSCOPY I	INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I	INST 5132	CHEM 3131, INST 2134		2	2	
INTRODUCTORY MICROBIOLOGY	MICR 1131	BIOL 1131		2	2	1
PHARMACOLOGY	PHRM 4131	BIOC 3131		2	0	
PROCESSING OPERATIONS I	PROC 5131	BIOC 4131		3	2	
				<b>14</b>	<b>8</b>	<b>2</b>
<b>CHLF-SEM2</b>						
SPECTROSCOPY II	INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II	INST 6132	INST 5132		2	2	
PHARMACEUTICAL MICROBIOLOGY	MICR 2134	MICR 2133		1	2	1
PHARMACEUTICS	PHRM 3131	CHEM 3131		2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
PROCESSING OPERATIONS II	PROC 6131	PROC 5131		3	2	
PRODUCT DEVELOPMENT	PROD 3131	FDLR 1131, PROC 5131		1	2	
PHARMACEUTICAL QA/QC	QAQC 6100	PHRM 3131		2	0	
				<b>13</b>	<b>12</b>	<b>81</b>

**NOTES:**

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COOP - the co-op work term takes place in the following semester (spring/summer).

MOD1/MOD2 - course is delivered over a portion of the semester.

# ***Program of Study Report***

*Term Code: 202043*

*Program: CHLT*

*Division: All*

*Report Output: pdf*

Chemical Lab Technology (CHLT)

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>
<b>CHLT-SEM1</b>							
BIOLOGY		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		TECH 1131	3	3	
MATHEMATICS		MATH 1132			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
ANALYTICAL TECHNIQUES		TECH 1131			1	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>14</b>	<b>7</b>	<b>1</b>
<b>CHLT-SEM2</b>							
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		2	0	1
CHEMISTRY II		CHEM 2131	CHEM 1131, TECH 1131		2	3	
FOOD & PHARMACEUTICAL SCIENCE		FPPS 1131	BIOL 1131		3	0	
MATHEMATICS II		MATH 2132	MATH 1132		3	0	
ORGANIC CHEMISTRY I		ORGN 1131	CHEM 1131, TECH 1131		3	2	
					<b>13</b>	<b>5</b>	<b>1</b>
<b>CHLT-SEM3</b>							
BIOCHEMISTRY I		BIOC 3131	CHEM 2131, ORGN 1131		2	3	
ANALYTICAL CHEMISTRY I		CHEM 3131	CHEM 2131, COMM 1820		2	3	
FOOD AND DRUG LAWS REGULATIONS		FDLR 1131			3	0	
INTRODUCTORY MICROBIOLOGY		MICR 1131	BIOL 1131		2	2	1
ORGANIC CHEMISTRY II		ORGN 2131	ORGN 1131, TECH 1131		2	3	
STATS FOR SCIENCE		STSC 3132	MATH 2132		0	2	1
					<b>11</b>	<b>13</b>	<b>2</b>

## Chemical Lab Technology (CHLT)

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>
<b>CHLT-SEM4</b>							
BIOCHEMISTRY II		BIOC 4131	BIOC 3131		2	3	
ANALYTICAL CHEMISTRY II		CHEM 4131	CHEM 3131		2	3	
ANALYTICAL INSTRUMENTATION		INST 2134	CHEM 2131, ORGN 1131		2	2	
FOOD MICROBIOLOGY		MICR 2131	MICR 1131		2	2	1
PHARMACEUTICS		PHRM 3131	CHEM 3131		2	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>13</b>	<b>12</b>	<b>1</b>
<b>CHLT-SEM5</b>							
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
SPECTROSCOPY I		INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I		INST 5132	CHEM 3131, INST 2134		2	2	
DIAGNOSTIC MICROBIOLOGY		MICR 2133	MICR 2131		2	2	1
PHARMACOLOGY		PHRM 4131	BIOC 3131		2	0	
FIELD PLACEMENT		PLAC 1100			0	0	80
PROCESSING OPERATIONS I		PROC 5131	BIOC 4131		3	2	
					<b>14</b>	<b>8</b>	<b>81</b>

## Chemical Lab Technology (CHLT)

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>
<b>CHLT-SEM6</b>							
SPECTROSCOPY II		INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II		INST 6132	INST 5132		2	2	
PHARMACEUTICAL MICROBIOLOGY		MICR 2134	MICR 2133		1	2	1
FIELD PLACEMENT		PLAC 1100			0	0	80
PROCESSING OPERATIONS II		PROC 6131	PROC 5131		3	2	
PRODUCT DEVELOPMENT		PROD 3131	FDLR 1131, PROC 5131		1	2	
PHARMACEUTICAL QA/QC		QAQC 6100	PHRM 3131		2	0	
					11	10	81

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: CHEM LAB TEC*

*Division: All*

*Report Output: pdf*



## 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>
<b>CLBT-SEM1</b>							
BIOLOGY		BIOL 1131			2	2	
Chemistry 1		CHEM 1131		TECH 1131	3	3	
MATHEMATICS		MATH 1132			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
ANALYTICAL TECHNIQUES		TECH 1131			1	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>14</b>	<b>7</b>	<b>1</b>
<b>CLBT-SEM2</b>							
CHEMISTRY II		CHEM 2131	CHEM 1131, TECH 1131		2	3	
FOOD & PHARMACEUTICAL SCIENCE		FPPS 1131	BIOL 1131		3	0	
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
MATHEMATICS II		MATH 2132	MATH 1132		3	0	
ORGANIC CHEMISTRY I		ORGN 1131	CHEM 1131, TECH 1131		3	2	
					<b>14</b>	<b>5</b>	
<b>CLBT-SEM3</b>							
BIOCHEMISTRY I		BIOC 3131	CHEM 2131, ORGN 1131		2	3	
ANALYTICAL CHEMISTRY I		CHEM 3131	CHEM 2131, COMM 1820		2	3	
ANALYTICAL INSTRUMENTATION		INST 2134	CHEM 2131, ORGN 1131		2	2	
INTRODUCTORY MICROBIOLOGY		MICR 1131	BIOL 1131		2	2	1
STATS FOR SCIENCE		STSC 3132	MATH 2132		0	2	1
					<b>8</b>	<b>12</b>	<b>2</b>

## Chemical Laboratory Technician (CLBT)

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>
<b>CLBT-SEM4</b>						
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		2	0	1
ANALYTICAL CHEMISTRY II	CHEM 4131	CHEM 3131		2	3	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
PHARMACEUTICS	PHRM 3131	CHEM 3131		2	2	
QA QC FOR CLBT	QAQC 4141	STSC 3132		2	2	
ENVIRONMENTAL REGULATIONS	REGS 1131			3	0	
				<b>14</b>	<b>7</b>	<b>1</b>

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: CTCC*

*Division: All*

*Report Output: pdf*

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>
<b>CTCC-SEM1</b>							
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	
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
					<b>14</b>	<b>8</b>	<b>1</b>
<b>CTCC-SEM2</b>							
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	
Co-op Work Term 1	COOP	CTCC 1000	SPEC 0000		0	0	420
					<b>13</b>	<b>10</b>	<b>421</b>

## 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>
<b>CTCC-SEM3</b>						
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	
				<b>11</b>	<b>9</b>	<b>1</b>
<b>CTCC-SEM4</b>						
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	
				<b>11</b>	<b>9</b>	

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: CTYC*

*Division: All*

*Report Output: pdf*

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>
<b>CTYC-SEM1</b>							
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	
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
					<b>14</b>	<b>8</b>	<b>1</b>
<b>CTYC-SEM2</b>							
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	
Co-op Work Term 1	COOP	CTYC 1000	SPEC 0000		0	0	420
					<b>13</b>	<b>10</b>	<b>421</b>

## 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>
<b>CTYC-SEM3</b>							
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	
					<b>11</b>	<b>9</b>	<b>1</b>
<b>CTYC-SEM4</b>							
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	
Co-op Work Term 2	COOP	CTYC 2000			0	0	420
COOP WORK PLACEMENT III	COOP	CTYC 3000			0	0	420
					<b>11</b>	<b>9</b>	<b>840</b>



## 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>
<b>CTYC-SEM5</b>						
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	
				<b>14</b>	<b>9</b>	<b>1</b>
<b>CTYC-SEM6</b>						
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
				<b>14</b>	<b>2</b>	<b>7</b>

**NOTES:**

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**SPEC 0000 - when displays as a pre-requisite you are required to have passed all previous courses and have a GPA of 2.0.**

**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: ELECTRON TN*

*Division: SQ*

*Report Output: pdf*

## Electronic Engin 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>
<b>ELTC-SEM1</b>							
CAD FOR ELECTRICAL		CAD 1134			0	2	
DIGITAL FUNDAMENTALS		DGFN 1131			2	2	
ELECTRICITY I		ELEC 1131			3	2	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>16</b>	<b>6</b>	<b>1</b>
<b>ELTC-SEM2</b>							
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	
					<b>13</b>	<b>10</b>	

Electronic Engin Technician (ELTC)

Weekly  
Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
<b>ELTC-SEM3</b>							
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		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	
					<b>12</b>	<b>13</b>	<b>1</b>
<b>ELTC-SEM4</b>							
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	2	
GENERAL ELECTIVE CREDIT	OPT1	GNEC 0000			3	0	
					<b>11</b>	<b>8</b>	<b>2</b>

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**COOP - the co-op work term takes place in the following semester (spring/summer).**  
**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: ELEC ENGTY*

*Division: SQ*

*Report Output: pdf*

## Electronic Engin 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>
<b>ELTY-SEM1</b>							
CAD FOR ELECTRICAL		CAD 1134			0	2	
DIGITAL FUNDAMENTALS		DGFN 1131			2	2	
ELECTRICITY I		ELEC 1131			3	2	
MATH & PHYSICS FOR TECH		STEM 1131			6	0	0
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>16</b>	<b>6</b>	<b>1</b>
<b>ELTY-SEM2</b>							
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	
					<b>13</b>	<b>10</b>	

Electronic Engin 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>
<b>ELTY-SEM3</b>							
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		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	
					<b>12</b>	<b>13</b>	<b>1</b>
<b>ELTY-SEM4</b>							
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	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>11</b>	<b>8</b>	<b>2</b>

Electronic Engin Technology (ELTY)

Weekly  
Breakdown

Course Name	Mod Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
<b>ELTY-SEM5</b>						
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	
				<b>11</b>	<b>8</b>	<b>80</b>
<b>ELTY-SEM6</b>						
INSTRUMENTATION & CONTROL II	CONT 6131	CONT 5131		2	2	
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
				<b>8</b>	<b>9</b>	<b>81</b>

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# ***Program of Study Report***

*Term Code: 202043*

*Program: ELE MECH TY*

*Division: SQ*

*Report Output: pdf*

Electro-Mechanical Engin 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>
<b>EMTY-SEM1</b>							
CAD FOR ELECTRICAL		CAD 1134			0	2	
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
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
					<b>16</b>	<b>6</b>	<b>1</b>
<b>EMTY-SEM2</b>							
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	
					<b>12</b>	<b>12</b>	

## Electro-Mechanical Engin Tech (EMTY)

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>
<b>EMTY-SEM3</b>						
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	
				<b>14</b>	<b>6</b>	<b>2</b>
<b>EMTY-SEM4</b>						
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		2	0	1
ELECTRONIC CIRCUITS III	CIRE 3132	CIRE 2132		2	2	
INDUSTRIAL CONTROLS II	CONT 3131	CONT 3123		2	2	
INTEGRATED AUTOMATION I	CONT 3141	CONT 3123	CONT 3131	2	2	
MANUFACTURING SCIENCES	MANF 1131			1	3	
APPLIED MECHANICS	MECH 2103	PHYS 1131, STEM 1131		3	0	
				<b>12</b>	<b>9</b>	<b>1</b>
<b>EMTY-SEM5</b>						
AUTOMATION SYSTEM	AUTO 1100	CONT 3141		2	2	
INTEGRATED AUTOMATION II	CONT 4101	CONT 3131, CONT 3141		2	2	
INSTRUMENTATION & CONTROL I	CONT 5131	CONT 3141		2	2	
Control Panel Design/Build	CPDB 5131	CONT 3131, CONT 3141		1	3	
MANUFACTURING PROCESSES	MANF 3131	MANF 1131		3	0	
FIELD PLACEMENT	PLAC 1100			0	0	80
				<b>10</b>	<b>9</b>	<b>80</b>

Electro-Mechanical Engin Tech (EMTY)

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>
<b>EMTY-SEM6</b>						
AUTOMATION PROJECT	AUTO 2100	AUTO 1100, CONT 4101		1	2	3
INSTRUMENTATION & CONTROL II	CONT 6131	CONT 5131		2	2	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
Industrial Networking	INET 6131	CPDB 5131		2	0	
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	
				13	6	83

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# ***Program of Study Report***

*Term Code: 202043*

*Program: ENVIRO TY F*

*Division: All*

*Report Output: pdf*

Environmental Technology - FT (ENVF)

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>
<b>ENVF-SEM1</b>						
Fundamentals of Analytical and Organic Chemistry	CHEM 1133		INST 5131	0	0	1
TOPICS IN ENVIRONMENTAL SCIENCE	ENVI 3132	CHEM 3132		2	2	
ENVIRONMENTAL PROJECT MANAGEMENT	ETEP 5131	CHEM 3132	ENVI 3132	1	1	
SPECTROSCOPY I	INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I	INST 5132	CHEM 3131, INST 2134		2	2	
INTRODUCTORY MICROBIOLOGY	MICR 1131	BIOL 1131		2	2	1
ENVIRONMENTAL SAMPLING	QUAL 1132	ENVI 2131		2	2	
ENVIRONMENTAL REGULATIONS	REGS 1131			3	0	
INDUSTRIAL WASTE	WAST 3131			3	0	
				<b>17</b>	<b>11</b>	<b>2</b>
<b>ENVF-SEM2</b>						
ENVIRONMENTAL ENGINEERING	ENGR 1131	ENVI 3132		2	2	
INTRODUCTION TO GIS & AUTOCAD	ENIG 3131			0	3	
SPECTROSCOPY II	INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II	INST 6132	INST 5132		2	2	
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	
				<b>17</b>	<b>11</b>	<b>81</b>

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**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: ENVIRO TY*

*Division: All*

*Report Output: pdf*



Environmental Technology (ENVT)

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>
<b>ENVT-SEM1</b>						
BIOLOGY	BIOL 1131			2	2	
Chemistry 1	CHEM 1131		TECH 1131	3	3	
ENVIRONMENTAL SCIENCE	ENVI 2131			2	2	
MATHEMATICS	MATH 1132			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY	TECH 1130			2	0	1
ANALYTICAL TECHNIQUES	TECH 1131			1	2	
				<b>13</b>	<b>9</b>	<b>1</b>
<b>ENVT-SEM2</b>						
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		2	0	1
CHEMISTRY II	CHEM 2131	CHEM 1131, TECH 1131		2	3	
COMMUNITY & ENVIRONMENT	ENVI 3131	ENVI 2131		3	0	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
MATHEMATICS II	MATH 2132	MATH 1132		3	0	
ORGANIC CHEMISTRY I	ORGN 1131	CHEM 1131, TECH 1131		3	2	
				<b>16</b>	<b>5</b>	<b>1</b>
<b>ENVT-SEM3</b>						
ANALYTICAL CHEMISTRY I	CHEM 3131	CHEM 2131, COMM 1820		2	3	
ECOLOGY	ENEC 2131			2	2	
INTRODUCTORY MICROBIOLOGY	MICR 1131	BIOL 1131		2	2	1
ENVIRONMENTAL SAMPLING	QUAL 1132	ENVI 2131		2	2	
ENVIRONMENTAL REGULATIONS	REGS 1131			3	0	
				<b>11</b>	<b>9</b>	<b>1</b>

## Environmental Technology (ENVT)

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>
<b>ENVT-SEM4</b>						
ENVIRONMENTAL CHEMISTRY	CHEM 3132	QUAL 1132		2	2	
ANALYTICAL CHEMISTRY II	CHEM 4131	CHEM 3131		2	3	
INTRODUCTION TO GIS & AUTOCAD	ENIG 3131			0	3	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
ANALYTICAL INSTRUMENTATION	INST 2134	CHEM 2131, ORGN 1131		2	2	
APPLIED ENVIRONMENTAL MICROBIOLOGY	MICR 2132	MICR 1131		2	2	1
				<b>11</b>	<b>12</b>	<b>1</b>
<b>ENVT-SEM5</b>						
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	
SPECTROSCOPY I	INST 5131	CHEM 3131, INST 2134		2	2	
CHROMATOGRAPHY I	INST 5132	CHEM 3131, INST 2134		2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
INDUSTRIAL WASTE	WAST 3131			3	0	
				<b>13</b>	<b>7</b>	<b>80</b>

## Environmental Technology (ENVT)

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>
<b>ENVT-SEM6</b>						
ENVIRONMENTAL ENGINEERING	ENGR 1131	ENVI 3132		2	2	
SPECTROSCOPY II	INST 6131	INST 5131		2	2	
CHROMATOGRAPHY II	INST 6132	INST 5132		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	
				<b>15</b>	<b>6</b>	<b>80</b>

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: HCTF*

*Division: SQ*

*Report Output: pdf*

## Hlth Care Tech Manage - Path (HCTF)

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>
<b>HCTF-SEM1</b>							
BREADTH ELECTIVE CREDIT		BRTH 00000			3	0	
BREADTH ELECTIVE CREDIT		BRTH 00000			3	0	
Communications 1: Critical Thinking and Writing		COMM 11010			3	0	
FINANCIAL MANAGEMENT AND ACCOUNTING		FINC 21001	MATH 11003		3	0	
QUANTITATIVE METHODS IN HEALTH CARE MANAGEMENT I		HCTM 21003	MATH 11003		3	0	
					<b>15</b>	<b>0</b>	
<b>HCTF-SEM2</b>							
INTRODUCTION TO ECONOMICS		ECON 12004	MATH 11003		3	0	
BIOMATERIALS		HCTM 22001	ANAT 11001, PHYS 12002		3	0	
QUANTITATIVE METHODS IN HEALTH CARE MANAGEMENT II		HCTM 22003	HCTM 21003		3	0	
CANADIAN HEALTH CARE SYSTEM		HCTM 22004	HCTM 11002		3	0	
HEALTH CARE RISK MANAGEMENT AND PATIENT SAFETY I		HCTM 32002	HCTM 21001		3	0	
FIELD PLACEMENT	MOD3	HCTM 33001			0	0	420
					<b>15</b>	<b>0</b>	<b>420</b>
<b>HCTF-SEM3</b>							
COMMUNICATIONS II: TECHNICAL COMMUNICATIONS AND REPORTING		COMM 31005			3	0	
HEALTH ECONOMICS		ECON 31003	HCTM 22003		3	0	
HEALTH CARE SYSTEM PROCESS IMPROVEMENT		HCTM 31002	HCTM 21003		3	0	
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 INFORMATION AND ANALYTICS		HCTM 41004	HCTM 22003		3	0	
					<b>18</b>	<b>0</b>	

Hlth Care Tech Manage - Path (HCTF)

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>
<b>HCTF-SEM4</b>							
ETHICS/WORKPLACE PRACTICES		ETHC 42004	HCTM 33001		3	0	
PROJECT MANAGEMENT		HCTM 32003			3	0	
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	
PRINCIPLES OF MARKETING AND SALES MANAGEMENT		MGMT 32005			3	0	
					15	0	

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: HLTH CARE TY*

*Division: SQ*

*Report Output: pdf*

## Health Care Technology Managem (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>
<b>HCTM-SEM1</b>							
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	
					<b>15</b>	<b>2</b>	
<b>HCTM-SEM2</b>							
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	
					<b>15</b>	<b>4</b>	
<b>HCTM-SEM3</b>							
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		0	0	
QUANTITATIVE METHODS IN HEALTH CARE MANAGEMENT I		HCTM 21003	MATH 11003		3	0	
					<b>12</b>	<b>2</b>	



## Health Care Technology Managem (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>
<b>HCTM-SEM4</b>							
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	
					<b>15</b>	<b>2</b>	
<b>HCTM-SEM5</b>							
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	
					<b>14</b>	<b>3</b>	
<b>HCTM-SEM6</b>							
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	
					<b>15</b>	<b>2</b>	

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: MEC ENG TN*

*Division: SQ*

*Report Output: pdf*

## Mechanical Engin 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>
<b>METC-SEM1</b>							
COMPUTER APPLICATIONS I		COMP 1101			0	2	
ENGINEERING DRAWINGS		DRFT 1107			2	0	
ENGINEERING GRAPHICS I		DRFT 1131			0	3	
MANUFACTURING SCIENCES		MANF 1131			1	3	
MATHEMATICS FOR TECHNOLOGY I		MATH 1131			4	0	
PHYSICAL SCIENCE		PHYS 1131			3	0	
					<b>10</b>	<b>8</b>	
<b>METC-SEM2</b>							
ENGINEERING GRAPHICS II		DRFT 2131	DRFT 1131		0	3	
ELECTRICAL CONTROL FUNDAMENTALS		ELEC 1133	MATH 1131		2	2	
FLUID POWER I		FLUD 1131			2	1	
MATHEMATICS FOR TECHNOLOGY II		MATH 2131	STEM 1131		4	0	
APPLIED MECHANICS		MECH 2103	PHYS 1131, STEM 1131		3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>16</b>	<b>6</b>	<b>1</b>

**Mechanical Engin 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>
<b>METC-SEM3</b>							
CAD I FOR TECHNICIANS		CAD 3135	DRFT 2131		1	3	
ENGINEERING DESIGN ELEMENTS		DRFT 3131	DRFT 2131		2	0	
MANUFACTURING PROCESSES		MANF 3131	MANF 1131		3	0	
MEASUREMENT I		MEAS 4134	DRFT 1107, MATH 1131		2	2	
ENGINEERING MATERIALS		METL 1131			2	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>13</b>	<b>7</b>	
<b>METC-SEM4</b>							
CAD II FOR TECHNICIANS		CAD 4135	CAD 3135		1	3	
CAM I FOR TECHNICIANS		CAM 4131	CAD 3135, MANF 3131		1	2	
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		2	0	1
MATERIALS AND THE ENVIRONMENT		METL 2131	METL 1131		2	2	
STATISTICAL METHODS IN QUALITY CONTROL		STAT 3136	STEM 1131		2	1	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>11</b>	<b>8</b>	<b>1</b>

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**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: MEC ENG TY*

*Division: SQ*

*Report Output: pdf*

## Mechanical Engin 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>
<b>METY-SEM1</b>							
COMPUTER APPLICATIONS I		COMP 1101			0	2	
ENGINEERING DRAWINGS		DRFT 1107			2	0	
ENGINEERING GRAPHICS I		DRFT 1131			0	3	
MANUFACTURING SCIENCES		MANF 1131			1	3	
MATHEMATICS FOR TECHNOLOGY I		MATH 1131			4	0	
PHYSICAL SCIENCE		PHYS 1131			3	0	
					<b>10</b>	<b>8</b>	
<b>METY-SEM2</b>							
ENGINEERING GRAPHICS II		DRFT 2131	DRFT 1131		0	3	
ELECTRICAL CONTROL FUNDAMENTALS		ELEC 1133	MATH 1131		2	2	
FLUID POWER I		FLUD 1131			2	1	
MATHEMATICS FOR TECHNOLOGY II		MATH 2131	STEM 1131		4	0	
APPLIED MECHANICS		MECH 2103	PHYS 1131, STEM 1131		3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
GENERAL ELECTIVE CREDIT	OPT1	GNEC 0000			3	0	
					<b>16</b>	<b>6</b>	<b>1</b>

## Mechanical Engin Technology (METY)

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>
<b>METY-SEM3</b>						
CAD I	CAD 3132	DRFT 2131		0	4	
ENGINEERING DESIGN ELEMENTS	DRFT 3131	DRFT 2131		2	0	
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	
MECHANICS OF MATERIALS	MTRL 2132	MECH 2103		3	0	
				<b>17</b>	<b>6</b>	
<b>METY-SEM4</b>						
CAD II	CAD 4132	CAD 3132		1	3	
CAM I	CAM 4132	CAD 3132, MANF 3131		1	2	
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		2	0	1
GENERAL ELECTIVE CREDIT	GNEC 0000			3	0	
DYNAMICS OF MACHINES	MACH 3132	MECH 2103		3	0	
ENGINEERING DATA MANAGEMENT	SYSM 1131			2	1	
THERMODYNAMICS	THER 1101	FLUD 4131, MATH 3132		3	0	
				<b>15</b>	<b>6</b>	<b>1</b>



## Mechanical Engin Technology (METY)

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>
<b>METY-SEM5</b>						
CAD III	CAD 5132	CAD 4132		0	4	
CAM II	CAM 5132	CAM 4132		1	3	
MEASUREMENT I	MEAS 4132	MANF 3131		2	2	
ENGINEERING MATERIALS	METL 1131			2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
STATISTICAL QUALITY CONTROL I	STAT 3134	MATH 2131		2	1	
TOOL DESIGN	TOOL 5131	CAD 4132		2	2	
				<b>9</b>	<b>14</b>	<b>80</b>
<b>METY-SEM6</b>						
ENGINEERING DESIGN PROJECT	CAD 6132	CAD 5132, MANF 1131		0	4	
MANUFACTURING AUTOMATION	CAM 6132	CAM 5132		1	3	
GENERAL ELECTIVE CREDIT	GNEC 0000			3	0	
Measurement II	MEAS 5132	MEAS 4132		2	2	
MATERIALS AND THE ENVIRONMENT	METL 2131	METL 1131		2	2	
FIELD PLACEMENT	PLAC 1100			0	0	80
STATISTICAL QUALITY CONTROL II	STAT 4133	STAT 3134		2	1	
				<b>10</b>	<b>12</b>	<b>80</b>

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COOP - the co-op work term takes place in the following semester (spring/summer).

MOD1/MOD2 - course is delivered over a portion of the semester.

# ***Program of Study Report***

*Term Code: 202043*

*Program: MEC ENG NDE*

*Division: SQ*

*Report Output: pdf*

## Mech Engin Non-Destruct 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>
<b>NDE-SEM1</b>							
ENGINEERING DRAWINGS		DRFT 1107			2	0	
MATHEMATICS FOR TECHNOLOGY I		MATH 1131			4	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	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY		TECH 1130			2	0	1
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>19</b>	<b>2</b>	<b>1</b>
<b>NDE-SEM2</b>							
ELECTRICAL CONTROL FUNDAMENTALS		ELEC 1133	MATH 1131		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	
					<b>15</b>	<b>5</b>	

Mech Engin Non-Destruct 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>
<b>NDE-SEM3</b>							
CAREER PLANNING & DEVELOPMENT		CARR 2130	TECH 1130		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		3	1	
VISUAL TESTING		VISU 3100	NDTE 1100		2	2	
GENERAL ELECTIVE CREDIT	OPT1	GNED 0000			3	0	
					<b>14</b>	<b>8</b>	<b>1</b>
<b>NDE-SEM4</b>							
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	
					<b>15</b>	<b>7</b>	

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: NDE FT*

*Division: SQ*

*Report Output: pdf*

## Mech Engin Non-DestFast 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>
<b>NDEF-SEM1</b>						
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		3	1	
VISUAL TESTING	VISU 3100	NDTE 1100		2	2	
				<b>12</b>	<b>8</b>	
<b>NDEF-SEM2</b>						
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	
				<b>14</b>	<b>8</b>	

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**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**

# ***Program of Study Report***

*Term Code: 202043*

*Program: WATER QUAL*

*Division: All*

*Report Output: pdf*

Water Quality Technician (WATR)

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>
<b>WATR-SEM1</b>						
CHEMISTRY FOR TECHNICIANS	CHEM 1100		TECH 1131	3	3	
GENERAL ELECTIVE CREDIT	GNED 0000			3	0	
HEALTH AND SAFETY	HLTH 1133			2	0	
MATHEMATICS FOR WATER QUALITY TECHNICIANS	MATH 1109			3	0	
TECHNICAL REPORT WRITING FOR SCIENCE & TECHNOLOGY	TECH 1130			2	0	1
ANALYTICAL TECHNIQUES	TECH 1131			1	2	
				<b>14</b>	<b>5</b>	<b>1</b>
<b>WATR-SEM2</b>						
CAREER PLANNING & DEVELOPMENT	CARR 2130	TECH 1130		2	0	1
ELECTRICAL CONTROL FUNDAMENTALS	ELEC 1133	MATH 1131		2	2	
MATHEMATICS II FOR WATER TECHNICIANS	MATH 2125	MATH 1109		3	0	
WATER MICROBIOLOGY I	MICR 1135			2	2	1
REGULATIONS AND ENFORCEMENT	REGS 1133			3	0	
INTRO TO WATER AND WASTE WATER	WATR 1133	CHEM 1100		3	2	
				<b>15</b>	<b>6</b>	<b>2</b>



Water Quality Technician (WATR)

Weekly  
Breakdown

Course Name	Mod	Code	Prerequisites	Corequisites	Lec Hrs	Lab Hrs	FP/Alt Hrs
<b>WATR-SEM3</b>							
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
WATER MICROBIOLOGY II		MICR 2135	MICR 1135		2	2	1
AUTOMATION FUNDAMENTALS		OPER 3133	ELEC 1133		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
WATER AND WASTEWATER ENGINEERING		WATR 2133	MATH 1109		2	2	
WATER HYDRAULICS		WATR 3133	WATR 1133		2	1	
WASTE WATER COLLECTION & TREATMENT		WATR 4133	WATR 1133		2	2	
					<b>13</b>	<b>9</b>	<b>81</b>
<b>WATR-SEM4</b>							
BUSINESS PRAC. & CUSTOMER SERV		BPCS 4131			2	0	
GENERAL ELECTIVE CREDIT		GNED 0000			3	0	
INSTRUMENTAL ANALYSIS		INST 1104	CHEM 1100		2	2	
FIELD PLACEMENT		PLAC 1100			0	0	80
SYSTEM MAINTENANCE		WATR 5133	WATR 3133		1	3	
WATER TREATMENT & DISTRIBUTION		WATR 6133	WATR 1133		2	2	
TOPICS IN WATER QUALITY		WQTO 4133			2	0	
					<b>12</b>	<b>7</b>	<b>80</b>

**NOTES:**

**OPT1/OPT2/OPT3 - OPTIONS - Students choose subjects. OPT1 subjects are included in total hours per week.**

**GNED - Courses with this Subject Code are "General Education" subjects, GNED 0000 you are required to choose a 'General Education Elective' that term when you register.**

**SPEC 0000 - when displays as a pre-requisite you are required to have passed all previous courses and have a GPA of 2.0.**

**COOP - the co-op work term takes place in the following semester (spring/summer).**

**MOD1/MOD2 - course is delivered over a portion of the semester.**