

# T312 HONOURS BACHELOR OF TECHNOLOGY (CONSTRUCTION MANAGEMENT)

## 2021-2022 PATHWAY

### Semester 1: Fall 2021 [2021-01]

Course Code	Course Title	Pre-Requisite	Hrs/wk
<b>BLDG 1106</b>	Construction Materials		2
<b>BLDG 1153</b>	Introduction to Construction Management		2
<b>BLDG 1156</b>	Construction Materials Testing and Analysis		2
<b>BLDG 1157</b>	Residential Construction Technology		3
<b>BLDG 1158</b>	Blueprint Reading and Construction Measurement		3
<b>BLDG 1193</b>	Technical Communications		2
<b>MATH 1151</b>	Technical Mathematics 1		3
<b>Liberal Studies Elective</b>	Liberal Studies Elective (Select One)		3
		<b>Total Hours per week</b>	<b>20</b>

### Semester 2: Winter 2022 [2021-02]

Course Code	Course Title	Pre-Requisite	Hrs/wk
<b>BLDG 1107</b>	Construction Surveying		3
<b>BLDG 1162</b>	Building Code Act and Regulations		3
<b>BLDG 1166</b>	Construction Graphics 1		3
<b>BSCI 2101</b>	Foundations in Building Science		4
<b>MATH 1181</b>	Technical Mathematics 2		3
<b>Liberal Studies Elective</b>	Liberal Studies Elective (Select One)		3
		<b>Total Hours per week</b>	<b>19</b>

### Semester 3: Fall 2022 [2022-01]

Course Code	Course Title	Pre-Requisite	Hrs/wk
<b>BLDG 2080</b>	Construction Estimating 1 – Quantity Surveying	BLDG 1158	4
<b>BLDG 2081</b>	Structural Systems in Building Construction 1		3
<b>BLDG 2109</b>	Soils and Foundations		2

<b>Course Code</b>	<b>Course Title</b>	<b>Pre-Requisite</b>	<b>Hrs/wk</b>
<b>BLDG 2166</b>	Construction Graphics 2		3
<b>BSCI 3101</b>	Applications in Building Science	BSCI 2101	4
<b>LAW 1151</b>	Construction Law		2
<b>Liberal Studies Elective</b>	Liberal Studies Elective (Select One)		3
		<b>Total Hours per week</b>	<b>21</b>

#### Semester 4: Winter 2023 [2022-02]

<b>Course Code</b>	<b>Course Title</b>	<b>Pre-Requisite</b>	<b>Hrs/wk</b>
<b>BLDG 2082</b>	Structural Systems in Building Construction 2		3
<b>BLDG 2105</b>	Construction Estimating 2 – Pricing	BLDG 2080	4
<b>BLDG 2204</b>	Commercial Construction Technology		4
<b>ECON 2005</b>	Macro and Micro Economic Theory		3
<b>MGMT 3101</b>	Construction Project Management 1 - Planning		4
<b>Liberal Studies Elective</b>	Liberal Studies Elective (Select One)		3
		<b>Total Hours per week</b>	<b>21</b>

#### Semester 5: Fall 2023 [2023-01]

<b>Course Code</b>	<b>Course Title</b>	<b>Pre-Requisite</b>	<b>Hrs/wk</b>
<b>BLDG 2111</b>	Highrise Construction Technology		2
<b>BLDG 3025</b>	Construction Estimating 3 – Bidding	BLDG 2105	4
<b>BLDG 3041</b>	Mechanical and Electrical Construction Practices		2
<b>BLDG 3043</b>	Construction Health and Safety (online)		2
<b>BLDG 3044</b>	Construction Site Engineering Management		4
<b>BLDG 3045</b>	Heavy Construction Management Practices 1		3
<b>BLDG 3055</b>	Work Term Preparation 1		3
<b>Liberal Studies Elective</b>	Liberal Studies Elective (Select One)		3
		<b>Total Hours per week</b>	<b>23</b>

Semester 6: Winter 2024 [2023-02]

Course Code	Course Title	Pre-Requisite	Hrs/wk
<b>BLDG 3166</b>	Construction Project Accounting		3
<b>BLDG 3167</b>	Construction Estimating 4 – Cost Control	BLDG 3025	3
<b>BLDG 3168</b>	Capstone 1 – Bid Competition	BLDG 3025	3
<b>BLDG 3169</b>	Work Term Preparation 2 (online)		1
<b>BLDG 3175</b>	Heavy Construction Management Practices 2	BLDG 3045	3
<b>MGMT 3120</b>	Construction Quality Management (online)		2
<b>MGMT 3150</b>	Construction Project Management 2 – Contract Administration	MGMT 3101	4
<b>Liberal Studies Elective</b>	Liberal Studies Elective (Select One)		3
		<b>Total Hours per week</b>	<b>22</b>

Summer Work Term Semester: Summer 2024 [2023-03]

Course Code	Course Title	Pre-Requisite	Hrs/wk
<b>TCOP 1001</b>	Field Experience (450 hours)	Completion of semesters 1-5	

Semester 7: Fall 2024 [2024-01]

Course Code	Course Title	Pre-Requisite	Hrs/wk
<b>BLDG 3152</b>	Economics of Project Development		3
<b>BLDG 3170</b>	Preconstruction Cost Planning		3
<b>BLDG 3177</b>	Applications in Building Information Modeling (BIM)	BLDG 2166	3
<b>BLDG 3178</b>	Decision Analysis and Critical thinking		2
<b>BLDG 4020</b>	Research Methods		2
<b>MGMT 4050</b>	Construction Project Procurement 1		2
<b>MGMT 4055</b>	Labour Relations and Human Resources Management		3
<b>MGMT 4088</b>	Construction Business Management and Entrepreneurship		3
		<b>Total Hours per week</b>	<b>21</b>

Semester 8: Winter 2025 [2024-02]

<b>Course Code</b>	<b>Course Title</b>	<b>Pre-Requisite</b>	<b>Hrs/wk</b>
<b>BLDG 4021</b>	Project Risk Management		3
<b>BLDG 4050</b>	Sustainable Construction Management Practices		3
<b>BLDG 4150</b>	Capstone 2 - Industry Research	BLDG 4020	3
<b>MGMT 4052</b>	Project Financial Monitoring	BLDG 3152	3
<b>MGMT 4090</b>	Construction Procurement 2	BLDG 3168	2
<b>MGMT 4091</b>	Leadership and Ethics for Construction Managers (online)		3
		<b>Total Hours per week</b>	<b>17</b>

**\*PATHWAY SUBJECT TO CHANGE\***