

كلية العمارة والتخطيط  
قسم هندسة المباني  
**ماجستير إدارة هندسة التشييد**

**Master of Science Plan (MSc - Research)**

**1<sup>st</sup> Year**

**First Semester**

Code	Course Title	Cont.hr.	Cr. hr.
MCEM 601	Construction project delivery and management	3	3
MCEM 602	Engineering economy, accounting, and financial management	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

**Second Semester**

Code	Course Title	Cont.hr.	Cr. hr.
MCEM 603	Building information modeling in construction	3	3
MCEM 604	Advanced planning & control techniques	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

**Third Semester**

Code	Course Title	Cont.hr.	Cr. hr.
MCEM 605	Advanced research methods and technical writing	3	3
MCEM 6XX	Elective Course	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

**2<sup>nd</sup> Year**

**Fourth Semester**

Code	Course Title	Cont.hr.	Cr. hr.
MCEM 6XX	Elective Course	3	3
<b>Total</b>		<b>3</b>	<b>3</b>

**Seventh Semester**

Code	Course Title	Cont.hr.	Cr. hr.
MCEM 6XX	Elective Course	3	3
<b>Total</b>		<b>3</b>	<b>3</b>

**Eight Semester**

Code	Course Title	Cont.hr.	Cr. hr.
MCEM 690	Thesis research	6	6
<b>Total</b>		<b>6</b>	<b>6</b>
<b>Grand Hours</b>			<b>30</b>

## Master of Engineering Plan (MEng - Capstone Project)

### 1<sup>st</sup> Year

<b>First Semester</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cont.hr.</b>	<b>Cr. hr.</b>
MCEM 601	Construction project delivery and management	3	3
MCEM 602	Engineering economy, accounting, and financial management	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

<b>Second Semester</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cont.hr.</b>	<b>Cr. hr.</b>
MCEM 603	Building information modeling in construction	3	3
MCEM 604	Advanced planning & control techniques	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

<b>Third Semester</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cont.hr.</b>	<b>Cr. hr.</b>
MCEM 605	Advanced research methods and technical writing	3	3
MCEM 6XX	Elective Course	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

### 2<sup>nd</sup> Year

<b>Fourth Semester</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cont.hr.</b>	<b>Cr. hr.</b>
MCEM 6XX	MCEM Elective Course	3	3
MCEM 6XX	Elective Course	3	3
<b>Total</b>		<b>6</b>	<b>6</b>

<b>Seventh Semester</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cont.hr.</b>	<b>Cr. hr.</b>
MCEM 6XX	Elective Course	3	3
<b>Total</b>		<b>3</b>	<b>3</b>

<b>Eighth Semester</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cont.hr.</b>	<b>Cr. hr.</b>
MCEM 680	Capstone Project	3	3
<b>Total</b>		<b>3</b>	<b>3</b>
<b>Grand Hours</b>			<b>30</b>