

**Master of Science in Civil Engineering**  
**Possible Plan of Study (Structural Interest - 2 Year)**

Area	Course	Course Title	Units	Notes
COE Core	EGR 501	Engineering Research and Practice	3	Common course for MS in EGR
COE Core	EGR 503	Applied Engineering Mathematics	3	Common course for MS in EGR
COE Core	STA 513	Applied Statistics	3	Common course for MS in EGR
COE Core	EGR 506	Engineering R&D Methods	3	Common course for MS in EGR
Area of Focus	CVE 565	Smart Materials and Structures	3	Structural Interest
Area of Focus	CVE 565	Matrix Structural Analysis	3	Structural Interest
Area of Focus	CVE 565	Bridge Engineering	3	Structural Interest
Area of Focus	CVE 565	Advanced Structural Dynamics	3	Structural Interest
Thesis / Project	EGR 507	Research and Development	3	Common course for MS in EGR
Thesis / Project	EGR 508	Documentation and Presentation	3	Common course for MS in EGR
<b>Total</b>			<b>30</b>	

Area	Course	Course Title	Units	Notes
<b>Year 1 Fall Semester</b>				
COE Core	EGR 501	Engineering Research and Practice	3	Common course for MS in EGR
COE Core	EGR 503	Applied Engineering Mathematics	3	Common course for MS in EGR
Area of Focus	CVE 565	Smart Materials and Structures	3	Structural Interest
<b>Year 1 Spring Semester</b>				
COE Core	STA 513	Applied Statistics	3	Common course for MS in EGR
Area of Focus	CVE 565	Matrix Structural Analysis	3	Structural Interest
COE Core	EGR 506	Engineering R&D Methods	3	Common course for MS in EGR
<b>Year 2 Fall Semester</b>				
Area of Focus	CVE 565	Bridge Engineering	3	Structural Interest
Thesis / Project	EGR 507	Research and Development	3	Common course for MS in EGR
<b>Year 2 Spring Semester</b>				
Area of Focus	CVE 565	Advanced Structural Dynamics	3	Structural Interest
Thesis / Project	EGR 508	Documentation and Presentation	3	Common course for MS in EGR
<b>Total</b>			<b>30</b>	