

New Program Proposal

Minor in Civil Engineering

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Admission to the Joint Engineering program is required. A minimum of 18 credit hours in Joint Civil Engineering courses and Engineering courses are required.

Required Courses		
ENGR 2310	Statics	3
J M ENGR 2410	Mechanics Of Deformable Bodies	3
J M ENGR 3700	Fluid Mechanics	3
Take at least three courses from one of the tracks below:		9
Structures		
J C ENGR 2160	Surveying	
J M ENGR 3360	Material Science For J C ENGR	
J C ENGR 3410	Structural Analysis	
J C ENGR 3420	Structural Design	
J C ENGR 4630	Design Of Steel Structures	
J C ENGR 4660	Advanced Design Of Concrete Structures	
Water Resources/Environmental		
J C ENGR 3520	Water and Wastewater Treatment	
J C ENGR 3760	Hydraulic Engineering	
J C ENGR 4830	Fundamentals of Surface Water Hydrology and Environmental Engineering	
J C ENGR 4740	Economic Decisions In Engineering	
Transportation		
J C ENGR 2160	Surveying	

J C ENGR 3460	Transportation Engineering
J C ENGR 4600	Highway and Traffic Engineering
Geotechnical	
GEOL 1001A	General Geology Lecture
J C ENGR 2160	Surveying
J M ENGR 3360	Material Science For J C ENGR
J C ENGR 4190	Soil Mechanics
J C ENGR 4640	Foundation Engineering
J C ENGR 4740	Economic Decisions In Engineering
Construction Management	
J C ENGR 2160	Surveying
J C ENGR 4720	Legal Aspects Of Construction
J C ENGR 4730	Construction Operations And Management
J C ENGR 4740	Economic Decisions In Engineering
Total Hours	18

Sign-offs from other departments affected by this proposal

None

Rationale

Create Pathway toward participation in the Bachelor of Liberal Studies degree at UMSL. Requires two minors. The intention would be to partner with the Mathematics degree.