

<i>University of Alberta</i>		<i>University of Calgary</i>	
16-CIV-A1 CIV E 372	Elementary Structural Analysis Structural Analysis I	ENCI 451 & ENCI 551	Structural Engineering I Structural Engineering II
16-CIV-A2 CIV E 374 & CIV E 474	Elementary Structural Design Structural Design I Structural Design II	ENCI 513 & ENCI 557	Structural Concrete Design Structural Steel Design
16-CIV-A3 CivE 221	Elementary Environmental Engineering Environmental Engineering Fundamentals	ENCI 481	Environmental Engineering I
16-CIV-A4 CIV E 381 & CIV E 391	Geotechnical Materials and Analysis Soil Mechanics Civil Engineering Materials	ENCI 423 & ENCI 413	Geotechnical Engineering I Introduction to Civil Engineering Materials
16-CIV-A5 CIV E 331	Hydraulic Engineering Applied Hydraulics	ENCI 402	Hydraulics
16-CIV-A6 CIV E 315	Highway Design, Construction, and Maintenance Transportation Engineering	ENCI 473 & ENCI 575	Transportation Engineering I Transportation Engineering II
16-CIV-B1 CIV E 660	Advanced Structural Analysis Advanced Structural Analysis	ENCI 621	Computer Analysis of Structures
16-CIV-B2 CIV E 670 OR CIV E 672 OR CivE 474 & CivE 479	Advanced Structural Design Behaviour and Design of Steel Members Behaviour and Design of Concrete Members Structural Design II Structural Design III	ENCI 623	Behaviour of Reinforced Concrete Members
16-CIV-B3 CIV E 489	Geotechnical Design Geotechnical Design	ENCI 523	Geotechnical Engineering II
16-CIV-B4	Engineering Hydrology <i>No Course Equivalent Offered</i>	ENCI 510	Hydrology
16-CIV-B5 CIV E 430 & CIV E 431	Water Supply and Wastewater Treatment Water Resources Engineering Water Resources Engineering Design	ENCI 581	Environmental Engineering II
16-CIV-B6	Urban and Regional Planning <i>No Course Equivalent Offered</i>	ENCI 502	Civil Engineering Aspects of Sustainable Communities

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16-CIV-B7	Transportation Planning and Engineering		
CIV E 411 & CIV E 419	Transportation Engineering II Transportation Engineering, Planning and Design	ENCI 473	Transportation Engineering I
16-CIV-B8	Management of Construction		
CIV E 406 & CIV E 409	Construction Estimating Planning and Control Construction Methods	ENCI 565	Project Management II
16-CIV-B9	The Finite Element Method		
CIV E 665	Introduction to Finite Element Analysis	ENCI 651 OR ENCI 655	Finite Element Modelling Numerical Methods for Modelling Geomaterials (
16-CIV-B10	Traffic Engineering		
CIV E 315	Transportation Engineering		<i>No Course Equivalent Offered</i>
16-CIV-B11	Structural Materials		
CIV E 391	Civil Engineering Materials		<i>No Course Equivalent Offered</i>
16-CIV-B12	Risk and Safety in Civil Engineering		
CIV E 779	Structural Reliability	ENCI 504	Uncertainty Concepts in Civil Engineering
16-CIV-B13	Numerical Methods		
CIV E 295	Civil Engineering Analysis II		<i>No Course Equivalent Offered</i>
16-CIV-B14	Open Channel Hydraulics		
	<i>No Course Equivalent Offered</i>		<i>No Course Equivalent Offered</i>
16-CIV-B15	Coastal Engineering		
	<i>No Course Equivalent Offered</i>		<i>No Course Equivalent Offered</i>
16-CIV-B16	Advanced Environmental Engineering		
CIV E 429 OR CIV E 321 OR EnvE 421	Environmental Engineering Design Principles of Environmental Modeling and Risk Municipal Systems	ENCI 581	Environmental Engineering II
16-CIV-B17	Intelligent Transportation Systems		
CIV E 613	Transportation Systems and Demand Analysis	ENCI 703	Fundamentals of ITS and Transportation System Performance
16-CIV-B18	Geomatics		
	<i>No Course Equivalent Offered</i>		<i>No Course Equivalent Offered</i>
16-CIV-B19	Foundation Engineering		
CIV E 669	Advanced Foundation Engineering		<i>No Course Equivalent Offered</i>
16-CIV-B20	Building Engineering and Services		
CivE 779	Building Systems Design		<i>No Course Equivalent Offered</i>
16-CIV-B21	Advanced Structural Mechanics		
CIV E 398	Introduction to Continuum Mechanics		<i>No Course Equivalent Offered</i>
16-CIV-B22	Dynamics of Engineering Structures		
CIV E 661	Dynamics of Structures		<i>No Course Equivalent Offered</i>

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