

## French - Engineering Double Major (Civil and Environmental Engineering Concentration)

2011-12

Fall (17)	4	Chemistry 103	General Chemistry (F)
	2	Engineering 101	Intro to Engineering Design (F)
	2	Engineering 181	Graphical Communication Lab (F)
	4	Mathematics 171	Calculus I (F,S)
	4	<i>French 301</i>	<i>Advanced Conversation</i>
	1	Interdisciplinary 149	First Year Prelude
INT	3	<i>DCM</i>	<i>DCM</i>
Spring (17)	4	Engineering 106	Engineering Chemistry and Materials Science (S)
	4	Mathematics 172	Calculus II (F,S)
	4	Physics 133	Introductory Physics, Mechanics and Gravity (F,S)
	4	<i>French 302</i>	<i>Advanced Grammar</i>
	1	<i>Health and Fitness</i>	<i>(PER 101-112)</i>

2012-13

Fall (16)	4	Engineering 202	Advanced Conversation	
	3	Mathematics 270	Multivariable Calculus (F,S)	
	4	Physics 133	Introductory Physics: Electricity and Magnetism (F)	
	2	Computer Science 104	Applied C++	
	3	<i>Economics 151 or 221</i>	<i>Principles of Economics/Principles of Microeconomics</i>	
	0	Engineering 295	Internship Workshop	
INT	3	<i>Interim Trip: Dutch Landsca</i>	<i>Cross Cultural Engagement</i>	
Spring (15)	4	Engineering 209	Intro to the Laws of Conservation & Thermodynamics (F,S)	
	4	Engineering 106	Intro to Circuit Analysis and Electronics with Lab (F,S)	
	4	<i>French 351</i>	<i>French Literature</i>	Literature Core
	3	<i>French 375</i>	<i>French Cinema</i>	Art Core
	0	Engineering 294	Seminar (for students entering Calvin fall 2009 or later.)	

2013-14

Fall (17)	3	<i>French 373</i>	<i>French for International Business</i>
	4	Physics 235	Intro Physics: Electricity and Magnetism
	4	Math 231	Differential Equations with linear Algebra
	3	<i>Religion 121 or 131</i>	<i>Biblical Literature/Christian Theology</i>
	3	<i>English 101</i>	<i>Written Rhetoric</i>
INT			
Spring (17)	3	<i>Philosophy 153</i>	<i>Fundamental Questions in Philosophy</i>
	4	Engineering 338	Traffic Engineering
	4	Engineering 204	Intro to Electrical Systems Engineering
	3	<i>French 394</i>	<i>Medieval &amp; Early Modern Lit.</i>
	1	<i>Health and Fitness</i>	<i>(PER 120-159)</i>
	2	<i>Math 241</i>	<i>Engineering Stats</i>

2014-15

Fall (16)	4	Engineering 305	Mechanics of Materials(F)
	4	Engineering 319	Intro. To Thermal/Fluid Sciences (F)
	4	Engineering 306	Environmental Engineering (F)
	3	<i>French 3xx</i>	<i>French elective</i>
	1	<i>Health and Fitness</i>	<i>(PER 160-189)</i>
INT	3	<i>IDIS 102</i>	<i>Oral Rhetoric For Engineers</i>
Spring (16)	4	Engineering 320	Hydraulic Engineering (S)
	4	Engineering 326	Structural Analysis (S)
	4	Engineering 308	Environmental Engineering Design(S)
	4	<i>History</i>	<i>History of the West and the World</i>

**Summer** 0 Engineering 387 International Engineering Internship (in French speaking region)

2015-16

Fall (13)	4	Engineering 321	Hydraulic Engineering Design (F)
	2	Engineering 327	Structural Design(F)
	3	<i>French 3xx</i>	<i>French elective</i>
	2	Engineering 339	Senior Design Project (F)
	2	Business 357	Business Aspects for Engineers (F)
INT	3	Engineering Special Topics Elective	
Spring (15)	4	Engineering 302	Engineering Electromagnetics (S)
	4	Engineering 340	Senior Design Project (S)
	4	Elective: Basic Science or <i>Advanced Math</i>	
	3	<i>French 3xx</i>	<i>French elective</i>
	0	Engineering 394	Engineering Seminar

*Pink listings (core courses) may be swapped as long as ALL are completed.*

See Elective Options sheet for elective courses highlighted in green, red, orange and blue.

**CALVIN**  
Engineering