

Combine Engineering with a German major or minor and experience abroad

Proficiency in German opens a vast range of opportunities for professionals in the field of engineering, including increased job marketability, unique research projects in international settings, and better prospects for promotion. Beyond these more practical ends, the study of German language and culture opens up new and rewarding experiences that provide unique insight into linguistic and cultural difference and promote a better understanding of cultural diversity and one's own cultural identity.

Communicating effectively in German requires more than a single elementary course in professional and technical terminology; it requires significant study and practice. An intermediate-high level of oral proficiency or higher is usually attained by German minors at Calvin, with competency using a large vocabulary and forming varied types of statements and questions, as well as understanding responses. A German major at Calvin usually results in proficiency at the advanced level, including the ability to communicate in complex professional and interpersonal situations and to speak and write on a variety of topics.

In addition to the Engineering Department's off-campus offerings, the German program provides study abroad and summer work exchange opportunities in Germany and Austria that offer significant first-hand experience with the German language and with German-speaking cultures in Europe. The annual January interim in Germany includes numerous home stays and other personal interactions with Germans. Summer work or internship placement and the semester program in Vienna, Austria offer additional options for experience abroad.

How can I add German to my Engineering degree?

- **Begin planning** how you will complete requirements as early as possible, ideally BEFORE you start your freshman year.
- For optimum flexibility, **German 301, 302 or 303** should be completed by the end of your sophomore year, preferably in the fall semester.
- **Meet with a German advisor** to map out your plan as early as possible, even if you want only a minor or a few additional German courses. If you don't have a German advisor, call the department office at x-66361 (526-6361) to find an advisor, or e-mail Prof. Roberts at fcr3@calvin.edu.
- **Interim of sophomore or junior year** is the BEST time to participate in the German Department's annual German Interim Abroad. If you plan to graduate in 5 years, you could also consider the Calvin-endorsed semester program in Vienna, Austria in the spring of your sophomore or junior year.
- **A sample plan for adding a minor assuming no prior German** is on the reverse of this sheet. Check out the German Department website for more **4-year plans** for combining German and engineering. http://www.calvin.edu/academic/german/academics/GERM-ENGR_4_Yr_Plans.pdf.

If you had German prior to coming to Calvin, arrange to take a placement test. Depending on your placement, you may be able to complete a German major or minor with significantly fewer courses.

If you have not had German and are considering a major or minor, it is **highly recommended you begin with German 121 in the fall of your first year.** If you start with German 101 in the spring of your first year, a major in German will only be possible with additional semesters beyond the fourth year, but a minor is still attainable. For added flexibility, we offer a series of 1- to 3-credit course options, both during the semester and in conjunction with summer abroad opportunities in Germany through the Engineering Department. We can help you figure out those details individually.

Engineering Degree with German Minor – No Prior German

First Year	Fall	12 4 1	4 Courses Engineering Program German 121 Interdisciplinary 149 (First Year Prelude)	Third Year	Fall	12 1 4	4 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World)
	INT	3	German 122		INT	3 1	Interdisciplinary 150 Health and Fitness (PER 120-159)
	Spring	12 4 1	3 Courses Engineering Program German 202 Health and Fitness (PER 101-112)		Spring	12 2 3	3 Courses Engineering Program IDIS 102 (Oral Rhet. for Engineers) German 371 (Arts Core)
Summer		4 1	Engineering 202 (In Berlin, Germany) German 390 (Independent Study)	Summer		0	Int. Engineering Internship – Germany**
Second Year	Fall	13 1 3	4 Courses Engineering Program German 381 (Special Topics) Phil. 153 (Philosophy)	Fourth Year	Fall	11 1 2 3	3 Courses Engineering Program German 381 (Special Topics) Business 357 Econ. 221/151 (Soc. Structures)
	INT	3	German W80 (Interim Abroad, CCE Core)		INT	3 1	Engineering Special Topics Elective Health and Fitness (PER 160-189)
	Spring	12 3 3	5 Courses Engineering Program German 303 (Lit. Core) English 101 (Written Rhetoric)		Spring	12 1 3	4 Courses Engineering Program German 381 (Special Topics) Religion 121/131 (Bib. Lit./Christ. Theo.)

**May also be completed in summer after second year.

Why Engineering and German? – A Few Facts...

- * GERMANY IS THE FOURTH LARGEST NATIONAL ECONOMY IN THE WORLD and THE LARGEST ECONOMY IN THE EUROPEAN UNION—the EU is the largest unified economic zone in the world.
- * Germany is the WORLD LEADER IN “GREEN,” RENEWABLE ENERGY TECHNOLOGY EXPORTS.
- * Germany leads in ARCHITECTURAL, INDUSTRIAL AND AUTOMOTIVE DESIGN, and is SECOND IN AUTOMOBILE PRODUCTION.
- * Germany is the SECOND LEADING EXPORTER in the WORLD.
- * More the 750 US COMPANIES do business in Germany.
- * More than 1,000 GERMAN COMPANIES (more than any other language) operate in the USA. Do you recognize these German companies? Adidas, BASF, Volkswagen, Audi, Porsche, Mercedes, BMW, Lufthansa, Siemens, T-Mobile, Bayer, Merck, Krups, Braun...
- * Germany is the LARGEST CHEMICAL MARKET PLAYER in the European Union.
- * Germany is in the TOP THREE NATIONS IN RESEARCH AND DEVELOPMENT OF HIGH-TECH PRODUCTS, and the world leader in wind and solar power production, and bio-technology.
- * Germany is one of the TOP FIVE NATIONS in GLOBAL PATENTING.
- * German is the SECOND most commonly used language for scholarly publications worldwide.

Engineering with German Major – Beginning in German 201

First Year	Fall	12 4 1	4 Courses Engineering Program German 201 Interdisciplinary 149 (First Year Prelude)	Third Year	Fall	12 1 4	4 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World)
	INT	3 1	Interdisciplinary 150 Health and Fitness (PER 101-112)		INT	2 1	IDIS 103 (Oral Rhet. for Engineers) Health and Fitness (PER 160-189)
	Spring	12 4 1	3 Courses Engineering Program German 202 Health and Fitness (PER 120-159)		Spring	12 3 2	3 Courses Engineering Program German 371 (Arts Core) Business 357
Summer		4 3	Engineering 202 (In Berlin, Germany) German 390 (Independent Study)	Summer		0 3	Int. Engineering Internship – Germany** German 390 (Independent Study)**
Second Year	Fall	9 3 2 3	4 Courses Engineering Program German 301 German 381 (Special Topics) English 101 (Written Rhetoric)	Fourth Year	Fall	11 3 3	3 Courses Engineering Program German 395 (Integrative Studies) Econ. 221/151 (Soc. Structures)
	INT	3	German W80 (Interim Abroad, CCE Core)		INT	3	Engineering Special Topics Elective
	Spring	14 3	5 Courses Engineering Program German 303 (Lit. Core)		Spring	12 2 3	4 Courses Engineering Program German 381 (Special Topics) Religion 121/131 (Bib. Lit./Christ. Theo.)

**May also be completed in summer after second year.

Engineering with German Major – Beginning in German 301

First Year	Fall	12 3 1 1	4 Courses Engineering Program German 301 [†] German 381 (Special Topics) Interdisciplinary 149 (First Year Prelude)	Third Year	Fall	12 1 4	4 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World)
	INT	3	Interdisciplinary 150		INT	2 1	IDIS 103 (Oral Rhet. for Engineers) Health and Fitness (PER 160-189)
	Spring	12 3 1 1	3 Courses Engineering Program German 371 (Arts Core) German 381 (Special Topics) Health and Fitness (PER 101-112)		Spring	12 3 2	3 Courses Engineering Program German 362 (Rhet. & Cult. Core) Business 357
Summer		4 3	Engineering 202 (In Berlin, Germany) German 390 (Independent Study)	Summer		0	Int. Engineering Internship – Germany**
Second Year	Fall	9 3 1 3 1	4 Courses Engineering Program German 361 German 381 (Special Topics) English 101 (Written Rhetoric) Health and Fitness (PER 120-159)	Fourth Year	Fall	11 3 3	3 Courses Engineering Program German 395 (Integrative Studies Core) Econ. 221/151 (Soc. Structures)
	INT	3	German W80 (Interim Abroad, CCE Core)		INT	3	Engineering Special Topics Elective
	Spring	14 3	5 Courses Engineering Program German 303 (Arts Core)		Spring	12 3 2	4 Courses Engineering Program Religion 121/131 (Bib. Lit./Christ. Theo.) German 381 (Special Topics)

[†]Students placing into 301 are eligible to take a credit exam for GERM 202, which counts as 4 credits toward the major.

**May also be completed in summer after second year.

Engineering with German Minor – Beginning in German 101

First Year	Fall	12 3 1 1	4 Courses Engineering Program English 101 (Written Rhetoric) Interdisciplinary 149 (First Year Prelude) Health and Fitness (PER 101-112)	Third Year	Fall	12 2 3	4 Courses Engineering Program German 381 (Special Topics) Econ. 221/151 (Soc. Structures)
	INT	3	Interdisciplinary 150		INT	3	German W80 (Interim Abroad, CCE Core)
	Spring	12 4 1	3 Courses Engineering Program German 101 Health and Fitness (PER 120-159)		Spring	12 3 2	3 Courses Engineering Program German 371 (Arts Core) IDIS 103 (Oral Rhet. for Engineers)
Summer		4	Engineering 202 (In Berlin, Germany)	Summer		0 2	Int. Engineering Internship – Germany** German 390 (Independent Study)**
Second Year	Fall	9 2 4 2	4 Courses Engineering Program Mathematics 241 German 102 Business 357	Fourth Year	Fall	11 2 4	3 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World)
	INT	3	German 122		INT	3	Engineering Special Topics Elective
	Spring	12 4 1	4 Courses Engineering Program German 202 Health and Fitness (PER 160-189)		Spring	12 2 3	4 Courses Engineering Program German 381 (Special Topics) Religion 121/131 (Bib. Lit./Christ. Theo.)

**May also be completed in summer after second year.

Engineering with German Minor – Beginning in German 121

First Year	Fall	12 4 1	4 Courses Engineering Program German 121 Interdisciplinary 149 (First Year Prelude)	Third Year	Fall	12 1 4	4 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World)
	INT	3	German 122		INT	3 1	Interdisciplinary 150 Health and Fitness (PER 120-159)
	Spring	12 4 1	3 Courses Engineering Program German 202 Health and Fitness (PER 101-112)		Spring	12 2 3	3 Courses Engineering Program IDIS 102 (Oral Rhet. for Engineers) German 371 (Arts Core)
Summer		4 1	Engineering 202 (In Berlin, Germany) German 390 (Independent Study)	Summer		0	Int. Engineering Internship – Germany**
Second Year	Fall	13 1 3	4 Courses Engineering Program German 381 (Special Topics) Phil. 153 (Philosophy)	Fourth Year	Fall	11 1 2 3	3 Courses Engineering Program German 381 (Special Topics) Business 357 Econ. 221/151 (Soc. Structures)
	INT	3	German W80 (Interim Abroad, CCE Core)		INT	3 1	Engineering Special Topics Elective Health and Fitness (PER 160-189)
	Spring	12 3 3	5 Courses Engineering Program German 303 (Lit. Core) English 101 (Written Rhetoric)		Spring	12 1 3	4 Courses Engineering Program German 381 (Special Topics) Religion 121/131 (Bib. Lit./Christ. Theo.)

**May also be completed in summer after second year.

Engineering with German Minor – Beginning in German 201

First Year	Fall	12 4 1	4 Courses Engineering Program German 201 Interdisciplinary 149 (First Year Prelude)	Third Year	Fall	12 1 3 1	4 Courses Engineering Program German 381 (Special Topics) Econ. 221/151 (Soc. Structures) Health and Fitness (PER 120-159)
	INT	3	Interdisciplinary 150		INT	3	Engineering Interim
	Spring	12 4 1	3 Courses Engineering Program German 202 Health and Fitness (PER 101-112)		Spring	12 3 2	3 Courses Engineering Program German 371 (Arts Core) IDIS 102 (Oral Rhet. for Engineers)
Summer		4 2	Engineering 202 (In Berlin, Germany) German 390 (Independent Study)	Summer		0	Int. Engineering Internship – Germany**
Second Year	Fall	9 3 2 3	4 Courses Engineering Program German 301 Business 357 English 101 (Written Rhetoric)	Fourth Year	Fall	11 1 4 1	3 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World) Health and Fitness (PER 160-189)
	INT	3	German W80 (Interim Abroad, CCE Core)		INT	3	Engineering Special Topics Elective
	Spring	14 3	5 Courses Engineering Program German 303 (Lit. Core)		Spring	12 1 3	4 Courses Engineering Program German 381 (Special Topics) Religion 121/131 (Bib. Lit./Christ. Theo.)

**May also be completed in summer after second year.

Engineering with German Minor – Beginning in German 301

First Year	Fall	12 3 1	4 Courses Engineering Program German 301 [†] Interdisciplinary 149 (First Year Prelude)	Third Year	Fall	12 1 4	4 Courses Engineering Program German 381 (Special Topics) Hist. 151/152 (Hist. of the West/World)
	INT	3	Interdisciplinary 150		INT	3	Engineering Interim
	Spring	12 3 1	3 Courses Engineering Program German 371 (Arts Core) Health and Fitness (PER 101-112)		Spring	12 3 1	3 Courses Engineering Program German 362 (Rhet. & Cult Core) Health and Fitness (PER 120-159)
Summer		4	Engineering 202 (In Berlin, Germany)	Summer		0	Int. Engineering Internship – Germany**
Second Year	Fall	9 3 3	4 Courses Engineering Program German 303 (Lit. Core) English 101 (Written Rhetoric)	Fourth Year	Fall	11 3 2 1	3 Courses Engineering Program Econ. 221/151 (Soc. Structures) Business 357 German 381 (Special Topics)
	INT	3	German W80 (Interim Abroad, CCE Core)		INT	3	Engineering Special Topics Elective
	Spring	14 1 2	5 Courses Engineering Program German 381 (Special Topics) IDIS 102 (Oral Rhet. for Engineers)		Spring	12 3 1	4 Courses Engineering Program Religion 121/131 (Bib. Lit./Christ. Theo.) Health and Fitness (PER 160-189)

[†]Students placing into 301 are eligible to take a credit exam for GERM 202, which counts as 4 credits toward the minor.

**May also be completed in summer after second year.