

Tips for Navigating the Lund University Faculty of Engineering (LTH) Course Catalog

LTH Courses:

http://kurser.lth.se/lot/?inst_kod=0000&sort=lp_namn&lampinres=t&avd=t&val=inresande&soek=t

You will notice that the names of the engineering departments at Lund University may be different than those at your UC campus. The information below is intended to serve as a guide for the departments you should search in to find courses that are most closely linked to your engineering major at UC. Please keep in mind that these are suggested guidelines and you can broaden your search to all departments at LTH.

Course Code: This is the Lund University course number.

Credits: All courses are listed in ECTS. To determine UC quarter units, multiply the ECTS by 0.8. The most common unit values for courses at LTH are 15 ECTS (12 UC quarter units) and 7.5 ECTS (6 UC quarter units). To determine semester units divide the UC quarter units by 1.5.

Level: You can take courses at the G1 (basic), G2 (upper basic), and A (advanced) levels provided that you meet the required prior knowledge.

Language: E: course is given in English, E1: course is given in English upon request, S: course is given in Swedish. TIP: If you are reading through a course description and it says “**Language of Instruction:** The course will be given in English on demand”, the course **will** be taught in English if you simply ask the instructor to teach in English.

Pay attention to the last four columns of the course list- those are the periods within which the courses will be taught. SP1 and SP2 are in the fall semester; SP3 and SP4 are in the spring semester.

Course code	Credits	Level	S.Ex. stud.	Language	Course Name	Links	Fall Semester		Spring Semester	
							13/14 sp1	13/14 sp2	13/14 sp3	13/14 sp4
KTE071	7.5	A	X	E1	Biochemical Reaction Engineering	Syllabus Web	X			
KETF20	7.5	G2	X	E1	Chemical Engineering Processes	Syllabus	X			
VVA030	15	A	X	E	Urban Waters	Syllabus Web	X	X		
KET010	7.5	A	X	E	Energy and Environment	Syllabus Web		X		
KETN10	7.5	A	X	E	Applied Transport Phenomena	Syllabus		X		
KTE170	15	G2	X	E	Mass Transfer Processes in Environmental Engineering	Syllabus Web		X	X	
KETN01	7.5	A	X	E1	Process Simulation	Syllabus Web			X	
VVAN01	7.5	A	X	E	Decentralized Water and Wastewater Treatment	Syllabus Web			X	X
KETF05	7.5	G2	X	E1	Chemical Engineering, Project Laboratory	Syllabus Web			X	X

If your engineering major is not listed below, select the most closely related discipline.

If you are a **Bioengineering** major, search in:

- Biomedical Engineering
- Biotechnology
- Pure and Applied Biochemistry

If you are a **Chemical Engineering** major, search in:

- Centre for Analysis and Synthesis (CAS)
- Chemical Engineering
- Department of Chemistry
- Energy Sciences
- Biotechnology
- Pure and Applied Biochemistry

If you are a **Civil Engineering** major, search in:

- Building Physics
- Energy and Building Design
- Solid Mechanics
- Structural Engineering
- Structural Mechanics
- Water Resources Engineering

If you are an **Electrical Engineering** major, search in:

- Automatic Control
- Department of Physics
- Electrical and Information Technology
- Energy and Building Design
- Industrial Electrical Engineering and Automation

If you are an **Environmental Engineering** major, search in:

- Biotechnology
- Building Services
- Chemical Engineering
- Department of Physics
- Energy Sciences
- Energy and Building Design
- Engineering Geology
- Environmental and Energy Systems Studies
- Water Resources Engineering

If you are a **Materials Science** major, search in:

- Centre for Analysis and Synthesis (CAS)
- Materials Engineering
- Productions and Materials Engineering

If you are a **Mechanical Engineering** major, search in:

- Automatic Control
- Energy Sciences
- Industrial Electrical Engineering and Automation
- Mechanics
- Machine Design
- Structural Mechanics
- Solid Mechanics

If you are **Computer Science/Computer Engineering** major, search in:

- Department of Computer Sciences
- Department of Electrical and Information Technology

LTH also offers courses that introduce you to the practical and/or managerial aspects of being a professional engineer. These courses might not transfer back as direct requirements for your major but will give you exposure to applied engineering topics that are usually only offered at the graduate level at UC.

Examples of courses:

- Supply Chain Management

- Patent and Intellectual Property Rights
- Industrial Purchasing
- International Physical Distribution

Departments to search in:

- Engineering Logistics
- CIRCLE
- Housing Development and Management
- International Institute for Industrial Environmental Economics
- Industrial Design
- Product Development
- Packing Logistics
- Production Management
- Risk Management and Societal Safety
- Division of Rehabilitation Engineering Research