English for Mechanical Engineering is a skills-based course designed specifically for students enrolled in mechanical engineering degree programs. It provides carefully graded practice and progression in the key academic skills that all students need, such as listening to lectures and speaking in seminars. It also equips students with the specialist language they require to participate successfully within a mechanical engineering department. Extensive listening exercises come from mechanical engineering lectures, and all reading texts are taken from the same field of study. There is also a focus throughout on the key mechanical engineering vocabulary that students will encounter during their studies and careers.

- **12 units** covering diverse topics such as Forces on materials, Wind turbines and Water engineering.
- **Listening**: how to understand and take effective notes on extended lectures, including how to follow the argument and identify the speaker’s point of view.
- **Speaking**: how to participate effectively in a variety of realistic situations, from seminars to presentations, including how to develop an argument and use stance markers.
- **Reading**: how to understand a wide range of texts, from academic texts, technical documents and reports to Internet articles, including how to analyze complex sentences and identify such things as the writer’s stance.
- **Writing**: how to produce coherent and well-structured assignments, including such skills as paraphrasing and the use of appropriate academic phrases.
- **Vocabulary**: a wide range of activities to develop student’s knowledge and use of key vocabulary, both in the field of mechanical engineering and of academic study in general.
- **Vocabulary and Skills banks**: a reference resource to provide students with revision of the key words and phrases and skills presented in the unit.
- **Glossary**: over 380 technical terms accompanied by a sample sentence and German translation.
- **2 Audio CDs** complete with all recordings form the Course Book.
- **Website to the book** with useful Internet resources: [www.cornelsen.de/eng-mech](http://www.cornelsen.de/eng-mech)

Source: [http://www.cornelsen.de/hos/reihe/1.c.2556899.de/titel/9783065203296](http://www.cornelsen.de/hos/reihe/1.c.2556899.de/titel/9783065203296)
8 Health and safety

Topics
- health and safety regulations
- health and safety in the workplace
- rail accident

Vocabulary focus
- fixed phrases from health and safety
- fixed phrases from academic English

Skills focus

Listening | using the Cornell note-taking system
- recognizing digressions in lectures

Speaking | making effective contributions to a seminar
- referring to other people’s ideas in a seminar

9 Accident analysis in construction

Topics
- case study: Hyatt Regency Hotel collapse
- ‘design and build’ contracts

Vocabulary focus
- ‘neutral’ and ‘marked’ words
- technical and semi-technical words from engineering
- fixed phrases from academic English

Skills focus

Reading | recognizing the writer’s stance and level of confidence or tentativeness
- inferring implicit ideas

Writing | writing situation–problem–solution–evaluation essays
- writing assignments
- using direct quotations
- compiling a bibliography/reference list

10 Wind turbines

Topics
- development of wind power
- wind turbines: design problems and solutions
- horizontal and vertical axis turbines

Vocabulary focus
- words/phrases used to link ideas (moreover, as a result, etc.)
- stress patterns in noun phrases and compounds
- fixed phrases from academic English
- words/phrases related to wind energy and wind turbines

Skills focus

Listening | recognizing the speaker’s stance
- writing up notes in full

Speaking | building an argument in a seminar
- agreeing/disagreeing

11 Water engineering

Topics
- types of water and water distribution
- desalination technologies
- laboratory report: flow in pipes

Vocabulary focus
- definitions
- referring back using pronouns and synonyms
- words/phrases to describe mechanical processes in water engineering
- common verb + noun phrases used in laboratory reports

Skills focus

Reading | understanding how ideas in a text are linked
- note-making from texts
- labelling a diagram

Writing | writing a comparison summary from notes
- writing a laboratory report section from notes

12 Job applications for mechanical engineering students

Topics
- career paths in mechanical engineering
- working abroad
- applying for a job in the field of mechanical engineering

Vocabulary focus
- powerful adjectives and action verbs
- action words for specific skills
- CV and covering letter vocabulary

Skills focus

Reading | analyzing job advertisements
- recognizing the structure of curriculum vitae and covering letters

Writing | using powerful adjectives and action verbs to describe skills and experience
- writing curriculum vitae and covering letters

Appendix

Additional material
Transcripts
Glossary
Acknowledgements