



Faculty of Health, Science and Technology  
Environmental and Energy Systems

## Syllabus

### International technology project

**Course Code:** EMGB30

**Course Title:** International technology project  
*Internationellt teknikprojekt*

**Credits:** 7.5

**Degree Level:** Undergraduate level

**Progressive Specialisation:** First cycle, has at least 60 credits in first-cycle course/s as entry requirements (G2F)

#### Major Field of Study:

MEI (Environmental and Energy Systems)

#### Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2025-02-19, and is valid from the Autumn semester 2025 at Karlstad University.

#### Prerequisites

45 ECTS credits completed in Technology or Science, with at least 15 ECTS credits completed in Mathematics, and upper secondary level English 6, or equivalent

#### Learning Outcomes

Upon completion of the course, students should be able to:

- apply different science or technology investigation methods based on research questions,
- analyse the need of science information, conduct information searches, and assess and compile the yielded information,
- demonstrate ability to plan, conduct, and evaluate a limited project in technology or science based on a holistic perspective,
- present results of science investigations in written form complying with the standard formal requirements of content, structure, and language in science and technology, and
- give oral presentations and discuss research results that are relevant in terms of content

and clear in terms of language and delivery.

### **Content**

The course is in the form of a practical technology or science project that students plan, carry out, and evaluate. Instruction is in the form of seminars and supervision. The project results are compiled in an individual, written report in English. The project is presented and discussed in a seminar with English as the working language.

### **Reading List**

See separate document.

### **Examination**

Assessment is based on seminars and an individual hand-in assignment presented orally and in writing.

If students have a decision from Karlstad University entitling them to Targeted Study Support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

### **Grades**

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the examination of the course.

### **Quality Assurance**

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

### **Course Certificate**

A course certificate will be provided upon request.

### **Additional information**

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.