

### **University Undergraduate Study of Civil Engineering**

1. Solve and analyze standard engineering problems using theoretical knowledge in the fields of mathematics, physics, and basic engineering sciences
2. Explain and draw the basic construction details of structures and systems
3. Identify the difference in structure and analyze the properties of building materials
4. Participate in the creation of technical documentation of more complex structures and systems
5. Participate in the implementation of laboratory and field tests and analyze and interpret the measured data
6. Apply methodology and regulation relevant to civil engineering and other related fields
7. Plan and design the basic organizational and technological processes of constructing standard structures and systems, taking into account the principles of sustainable development and the environmental impact of structures and systems
8. Design standard structures and systems using theoretical knowledge and complying with applicable domestic and foreign regulations and guidelines, taking into account the environmental impact
9. Use professional literature efficiently and apply acquired knowledge and skills to new circumstances
10. Interpret and discuss expert information using technical terms in Croatian and foreign languages
11. Organize and plan work stages in order to successfully complete the project
12. Work efficiently and collaboratively in a group/team taking into account professional and ethical principles