### Learning outcomes of the professional undergraduate study Occupational Safety

### Major: General Safety

1. Explain the basic principles of mathematics, physics, chemistry, electrical engineering and mechanics required for work in the field of occupational safety and health.
2. Perform and interpret measurements in the field of occupational safety in a laboratory and in the work environment.
3. Assess risk and recommend protective measures.
4. Evaluate protective measures with respect to danger encountered in the work process.
5. Recommend measures to eliminate or reduce danger, damage and effort.
6. Distinguish between subjects in the field of occupational safety and health.
7. Evaluate dangers, damage and effort.
8. Organize a system of prescribed procedures and documents in the field of occupational safety.
9. Conduct training of subjects in the field of occupational safety.
10. Participate in teamwork and present professional content in both Croatian and foreign languages in written and spoken form.
11. Use appropriate information technology to address specific occupational safety problems.
12. Recommend solutions in the field of occupational ergonomics, security and safety in technological processes.
13. Use quantitative and qualitative methods in the analysis of data in the field of occupational safety.
14. Determine legislation and standards covering occupational safety.
15. Identify the basic characteristics of production processes, machines and materials.
16. Identify safety factors in the service industries.
17. Apply legislation from the field of occupational safety for service activities.
18. Identify dangerous goods in goods traffic.

### Major: Occupational Safety in Industry

1. Explain the basic principles of mathematics, physics, chemistry, electrical engineering and mechanics required for work in the field of occupational safety and health.
2. Perform and interpret measurements in the field of occupational safety in a laboratory and in the work environment.
3. Assess risk and recommend protective measures.
4. Evaluate protective measures with respect to danger encountered in the work process.
5. Recommend measures to eliminate or reduce danger, damage and effort.
6. Distinguish between subjects in the field of occupational safety and health.
7. Evaluate dangers, damage and effort.
8. Organize a system of prescribed procedures and documents in the field of occupational safety.
9. Conduct training of subjects in the field of occupational safety.
10. Participate in teamwork and present professional content in both Croatian and foreign languages in written and spoken form.
11. Use appropriate information technology to address specific occupational safety problems.
12. Recommend solutions in the field of occupational ergonomics, security and safety in technological processes.
13. Use quantitative and qualitative methods in the analysis of data in the field of occupational safety.
14. Determine legislation and standards covering occupational safety.
15. Identify the basic characteristics of production processes, machines and materials.
16. Identify safety factors in the industry
17. Apply legislation in the industry and process industry.

### Major: Fire Protection

1. Explain the basic principles of mathematics, physics, chemistry, electrical engineering and mechanics required for work in the field of occupational safety and health.
2. Perform and interpret measurements in the field of occupational safety in a laboratory and in the work environment.
3. Assess risk and recommend protective measures.
4. Evaluate protective measures with respect to danger encountered in the work process.
5. Recommend measures to eliminate or reduce danger, damage and effort.
6. Distinguish between subjects in the field of occupational safety and health.
7. Evaluate dangers, damage and effort.
8. Organize a system of prescribed procedures and documents in the field of occupational safety.
9. Conduct training of subjects in the field of occupational safety.
10. Participate in teamwork and present professional content in both Croatian and foreign languages in written and spoken form.
11. Use appropriate information technology to address specific occupational safety problems.
12. Recommend solutions in the field of occupational ergonomics, security and safety in technological processes.
13. Use quantitative and qualitative methods in the analysis of data in the field of occupational safety.
14. Determine legislation and standards covering occupational safety.
15. Identify the basic characteristics of production processes, machines and materials.
16. Identify safety factors in the field of fire protection and explosion protection.
17. Apply legislation from the field of occupational safety and explosion protection.