

**The name of the academic discipline:  
“Genetic Engineering”**

<b>Specialty code and name</b>	1-80 02 01 Biomedical Science
<b>Year of study</b>	4
<b>Semester of study</b>	7
<b>Number of in-class academic hours:</b>	48
<b>Lectures</b>	24
<b>Seminar classes</b>	-
<b>Practical classes</b>	12
<b>Laboratory classes</b>	12
<b>Form of the current assessment (<i>credit/graded credit /exam</i>)</b>	exam
<b>Number of credit points</b>	3
<b>Competences</b>	Mastering the academic discipline “Genetic Engineering” should ensure the formation of specialized competencies: being able to apply modern knowledge about the fundamentals of biotechnological and biomedical production, genetic engineering, nanobiotechnology, molecular modeling.
<p style="text-align: center;"><b>Summary of the academic discipline:</b></p> <p>The academic discipline “Genetic Engineering” is closely related to such disciplines as “Botany”, “Zoology”, “Biotechnology”. During the study of the discipline, students receive a theoretical understanding of the main methods of genetic engineering and elementary skills in setting up a genetic engineering experiment during laboratory classes.</p>	