

## COURSE CATALOG - CIVIL ENGINEERING

Type of Study: Undergraduate professional study

Semesters: 6

ECTS: 180

	Code	Course	Student workload (L + S + T)	ECTS credits
1st semester (Winter)	129527	Geology for Civil Engineers*	30 0 15	4.0
	129529	Chemistry*	30 0 15	4.0
	129531	Mathematics I*	45 0 45	6.0
	129533	Descriptive Geometry*	45 0 45	6.0
	129536	Technical Informatics	15 0 30	3.0
	129540	Technical Mechanics I*	30 0 30	5.0
	<b>129546</b>	<b>Foreign Language I - English*</b>	<b>15 015</b>	<b>2.0</b>
2nd semester (Summer)	129550	Building Elements	30 0 15	4.0
	129551	Ethics*	30 0 15	2.0
	129553	Physics	45 0 30	5.0
	129554	Geodesy	30 0 30	3.0
	129557	Mathematics II*	45 0 45	6.0
	129559	History of Civil Engineering	30 0 15	3.0
	129562	Technical Mechanics II*	30 0 30	5.0
<b>129565</b>	<b>Foreign Language II - English*</b>	<b>15 015</b>	<b>2.0</b>	
3rd semester (Winter)	129657	Geomechanics I	30 0 30	4.0
	129659	Construction Machines	30 0 15	3.0
	129660	Construction Materials	30 0 30	4.0
	129661	Hydraulics	30 0 30	4.0
	129662	Hydrology	30 0 15	3.0
	129663	Strength of Materials	30 0 30	5.0
	129664	Concrete Technology	45 0 30	4.0
	<b>129665</b>	<b>Fundamentals of Construction Law</b>	<b>30 015</b>	<b>3.0</b>
	<b>129666</b>	<b>Economics for Civil Engineers</b>	<b>30 015</b>	<b>3.0</b>
<b>129667</b>	<b>Choice from other HEI - 3rd semester</b>	<b>30 015</b>	<b>3.0</b>	
4th semester (Summer)	129668	Concrete Constructions	30 0 30	5.0
	129669	Geomechanics II	30 0 30	5.0
	129670	GIS	15 0 30	3.0
	129671	Water Facility Construction	30 0 15	4.0
	129673	Metal and Wooden Constructions	45 0 30	5.0
	129674	Professional Training I	0 0 0	5.0
	129675	Water Supply and Sewerage	30 0 15	3.0

### Building Construction

5th semester (Winter)	129676	General Building Regulations	30 0 15	4.0
	129677	Construction Management	30 0 30	5.0
	129678	Traffic Routes Design	45 0 30	6.0
	129679	Spatial Planning and Urbanism*	30 0 15	3.0
	129680	Foundations*	30 0 30	5.0
	129681	Environmental Protection*	30 0 15	3.0
	129682	Building Construction I	30 0 15	4.0
6th semester (Summer)	129690	Earthquake Engineering*	30 0 15	4.0
	129692	Professional Training II	0 0 0	5.0
	129693	Graduation thesis	0 0 0	15.0
	<b>129694</b>	<b>Prefabricated Construction</b>	<b>30 015</b>	<b>3.0</b>
	<b>129695</b>	<b>Building Construction II</b>	<b>30 015</b>	<b>3.0</b>
	<b>129696</b>	<b>Finishing Works and Installations *</b>	<b>30 015</b>	<b>3.0</b>
	<b>129698</b>	<b>Concrete Constructions II</b>	<b>30 015</b>	<b>3.0</b>
<b>129699</b>	<b>Choice from other HEI - 6th semester</b>	<b>30 015</b>	<b>3.0</b>	

## Construction Engineering

5th semester (Winter)	129683	Geotechnics*	30 0 30	5.0
	129676	General Building Regulations	30 0 15	4.0
	129677	Construction Management	30 0 30	5.0
	129678	Traffic Routes Design	45 0 30	6.0
	129679	Spatial Planning and Urbanism*	30 0 15	3.0
	129688	Regulations and Meliorations*	30 0 15	4.0
	129681	Environmental Protection*	30 0 15	3.0
6th semester (Summer)	129690	Earthquake Engineering*	30 0 15	4.0
	129692	Professional Training II	0 0 0	5.0
	129703	Graduation thesis	0 0 0	15.0
	<b>129694</b>	<b><i>Prefabricated Construction</i></b>	<b>30 015</b>	<b>3.0</b>
	<b>129705</b>	<b><i>Waste Management*</i></b>	<b>30 015</b>	<b>3.0</b>
	<b>129706</b>	<b><i>Road Maintenance</i></b>	<b>30 015</b>	<b>3.0</b>
	<b>129698</b>	<b><i>Concrete Constructions II*</i></b>	<b>30 015</b>	<b>3.0</b>
	<b>129699</b>	<b><i>Choice from other HEI - 6th semester</i></b>	<b>30 015</b>	<b>3.0</b>

L - LECTURES, S - SEMINARS, T - TUTORIALS

*Elective courses in italic*

\* *Courses available in English*