

**Professional Qualification: BACHELOR OF ENGINEERING**  
**Total duration of education / 4 years. 240 credits/**

**After completing the program, the graduate will have knowledge in the following areas:**

- land registration,
- measurement and valuation of real estate,
- land management,
- organization of water use,
- management, organization of use of water resources, design and exploitation of hydromelioration systems and hydroengineering structures.

**Students acquire practical skills during the work semester:**

- in divisions and branches of the real estate cadastre,
- in the divisions of the water economy committee,
- in pumping stations,
- in water supply systems,
- in reservoir hydronodes,
- in farms,
- in state and private organizations of the sector.

During the working semester, students receive a salary.

**The profession has an important mission: the graduated specialists will be able to.**

- design a reservoir hydro node, an irrigation system,
- draw up land construction schemes, inter-economic and intra-economic land construction projects,
- use modern information technology and geodetic tools to transfer engineering projects to nature,
  - analyze complex programs of management, conservation and use of water and land resources,
- Implement processes of forecasting the use of land and water resources, development of engineering projects and management of real estate cadaster,
- prepare design and estimate documents of agrarian engineering projects,
- Implement soil and water resource monitoring using modern digital technologies,
- provide consultation on water-economic and land management projects, hydrotechnical structures design, normative, technical, and legal documents in the field of environmental protection.
- carry out an expertise and assessment of water-economic and land construction projects.

Land and Water Resources Engineering 071804.02.6						In case of questions, you can: Visit us: Yerevan, Teryan 74 Call: (+374) 52 45 41 Write to us: info@anau.am Website: https://anau.am/ Join us on Facebook: https://www.facebook.com//anauofficial/	
1st year		2nd year		3rd year		4th year	
1st semester		3rd semester		5th semester		7th semester	
Armenian language	Armenian history	Theoretical mechanics	Material resistance	Geographic information systems	Hydroengineering structures	Working semester	
2 credits	2 credits	5 credits	6 credits	6 credits	6 credits		
Foreign language (Russian)	Higher mathematics – 1	Computer graphics	Engineering geodesy	Land reclamation and restoration	Hydrology and flow regulation		
4 credits	5 credits	6 credits	6 credits	7 credits	4 credits		
Applied informatics	Basics of graphics	Agricultural economics	Statistics	Land management	Elective subject		
5 credits	5 credits	4 credits	4 credits	6 credits	4 credits		
Physics							
6 credits						30 credits	
2nd semester		4th semester		6th semester		8th semester	
Armenian language and speech culture	Materials Science and Building Materials	Hydraulics	Entrepreneurship	Agricultural water supply and watering	Exploitation of water economic systems	Land and Water Law	Life safety and civil protection
2 credits	5 credits	6 credits	4 credit	4 credit	5 credits	3 credits	4 credits
Foreign language (English, French, German)	Social science modules	Electrical engineering, renewable energy and automation	Engineering geology	Integrated management of land and water resources	Pumps and pumping stations	Organization and technology of land management and reclamation works	Management and monitoring of land cadaster
8 credits	6 credits	5 credits	4 credits	4 credits	5 credits	5 credits	5 credits
Higher mathematics – 2	General chemistry	Engineering ecology	Basics of agriculture	Real estate cadaster	Elective subject	Elective subject	
6 credits	4 credits	4 credits	5 credits	6 credits	4 credits	3 credits	
Defense of the final work							
10 credits							