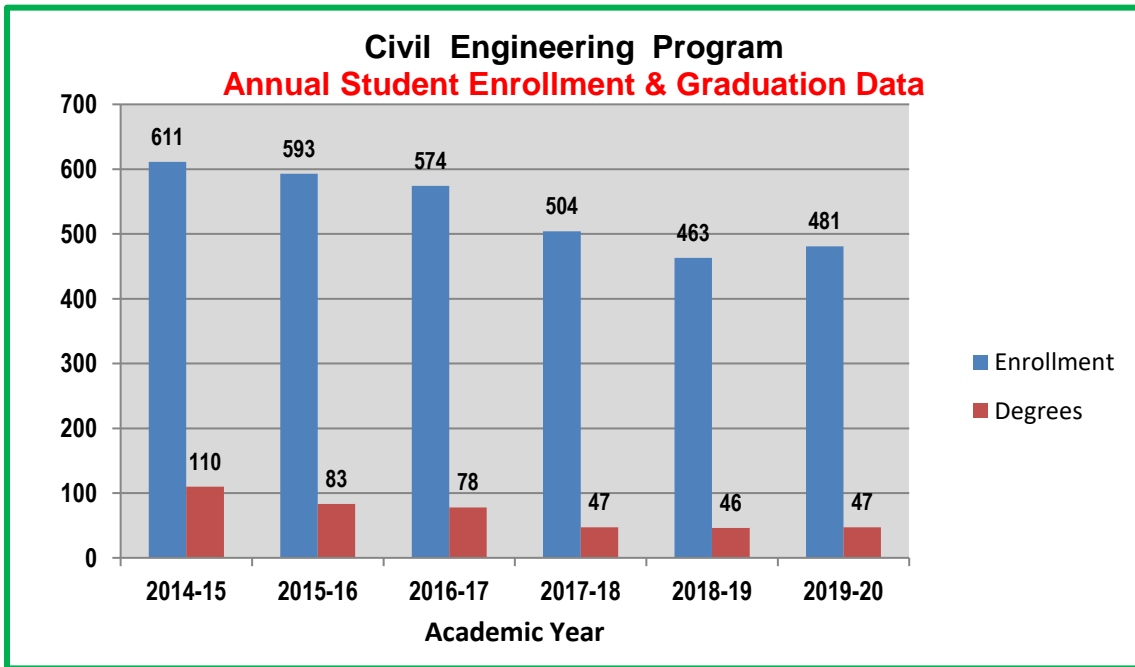
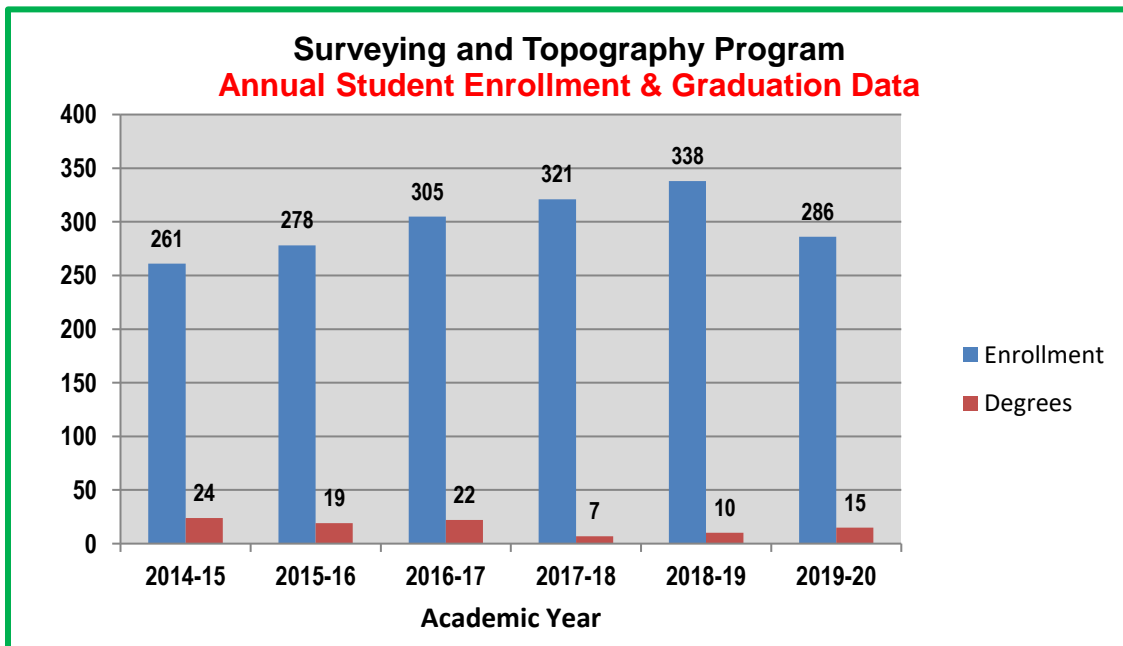


The UPRM Civil Engineering Program's Annual Enrollment and Graduation Data is as follows:



The UPRM Surveying & Topography Program's Annual Enrollment and Graduation Data is as follows:



CIVIL ENGINEERING PROGRAM

Department of Civil Engineering and Surveying – UPRM

The **Program Educational Objectives (PEOs)** and **Student Outcomes (SOs)** are:

Program Educational Objectives:

After their graduation from UPRM, our Civil Engineering...

- 1. Graduates will meet the expectations of employers of Civil Engineers.*
- 2. Qualified graduates will pursue advanced studies if they so desire.*
- 3. Graduates will assume/undertake leadership roles in their communities, as well as in their profession.*

Student Outcomes:

By the time of their graduation, our students will have developed:

- 1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics*
- 2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors*
- 3. An ability to communicate effectively with a range of audiences*
- 4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts*
- 5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives*
- 6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions*
- 7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies*

SURVEYING AND TOPOGRAPHY PROGRAM

Department of Civil Engineering and Surveying – UPRM

The **Program Educational Objectives (PEOs)** and **Student Outcomes (SOs)** are:

Program Educational Objectives:

After their graduation from UPRM, our Surveying and Topography...

- 1. Graduates will meet the expectations of employers of Land Surveyors.*
- 2. Qualified graduates will pursue advanced studies if they so desire.*
- 3. Graduates will assume/undertake leadership roles in their communities, as well as in their profession.*

Student Outcomes:

By the time of their graduation, our students will have developed:

- 1. An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline.*
- 2. An ability to formulate or design a system, process, procedure or program to meet desired needs.*
- 3. An ability to develop and conduct experiments or test hypotheses, analyze and interpret data and use scientific judgment to draw conclusions.*
- 4. An ability to communicate effectively with a range of audiences.*
- 5. An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts.*
- 6. An ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.*