

Mining Engineering PhD Program Outcomes

The Student:

- 1.** has the ability to identify, define, formulate and solve advanced engineering problems in theoretical and applied knowledge in mathematics, science and engineering; For this purpose, it selects and applies the appropriate advanced analysis and modeling methods.
- 2.** introducing an innovation that will provide different expansions to the field of mining engineering; develop a new approach, method, design and / or application or apply an existing method in a different area.
- 3.** is able to use scientific research methods and techniques at a high level.
- 4.** takes an active part in intra-disciplinary and interdisciplinary teams and take the lead when necessary.
- 5.** is aware of lifelong learning, and has the ability to follow developments in the field and the ability for continuous self-development .
- 6.** uses a foreign language in order to probe the publications in the field, to communicate orally and in written with the scientific and social communities and do scientific publications
- 7.** contributes to the literature by publishing scientific research and development works s/he has conducted in the field of expertise.
- 8.** is aware of the social, cultural, scientific and technological developments and conducts research and the application works within the framework of scientific objectivity and ethical values.