

## **SUMMARY OF NAMES FOR ALL OPTIONS/SPECIALIZATIONS 2015-2016 CATALOG**

### **Bachelor Degrees:**

Bachelor of Science in Biology with Environmental Science **Option**  
Bachelor of Science in Biology with Medical Technology **Option**  
Bachelor of Science in Chemistry with Biochemistry **Option**  
Bachelor of Science in Earth Science with Geology **Option**  
Bachelor of Science in Earth Science with Geophysics **Option**  
Bachelor of Science in Earth Science with Hydrology **Option**  
Bachelor of Science in in Earth Science with Mineral Resources **Option**  
Bachelor of Science in Environmental Science with Biology **Option**  
Bachelor of Science in Environmental Science with Chemistry **Option**  
Bachelor of Science in Environmental Science with Geology **Option**  
Bachelor of Science in Environmental Science with Hydrology **Option**  
Bachelor of Science in Environmental Science with Instrumentation **Option**  
Bachelor of Science in Materials Engineering with Metallurgical Engineering **Option**  
Bachelor of Science in Materials Engineering with Biomaterials Engineering **Option**  
Bachelor of Science in Mineral Engineering with **Emphasis in** Explosives Engineering  
Bachelor of Science in Physics with Astrophysics **Option**  
Bachelor of Science in Physics with Atmospheric Physics **Option**  
Bachelor of Science in Physics with Computer Science **Option**

### **Master Degrees:**

Master of Science in Biology with **Specialization in** Biochemistry (under review)  
Master of Science in Chemistry with Biochemistry **Option**  
Master of Science in Computer Science with Information Technology **Option**  
Master of Science in Hydrology with **Option in** Environmental Geofluids  
Master of Science in Hydrology with **Option in** Petroleum Geofluids  
Master of Science in Mathematics with **Specialization in** Industrial Mathematics  
Master of Science in Mathematics with **Specialization in** Operations Research & Statistics  
Master of Science in Mathematics with **Specialization in** Analysis  
Master of Science in Mechanical Engineering with **Specialization in** Explosives Engineering  
Master of Science in Mechanical Engineering with **Specialization in** Fluid & Thermal Sciences  
Master of Science in Mechanical Engineering with **Specialization in** Mechatronics Systems & Robotics  
Master of Science in Mechanical Engineering with **Specialization in** Solid Mechanics  
Master of Science in Mineral Engineering with **Specialization in** Mineral Exploration  
Master of Science in Mineral Engineering with **Specialization in** Geotechnical Engineering  
Master of Science in Mineral Engineering with **Specialization in** Explosive Engineering  
Master of Science in Physics with **Specialty in** Instrumentation

### **Doctoral Degrees:**

Doctor of Philosophy in Biotechnology (under review)  
Doctor of Philosophy in Earth and Environmental Science with **Dissertation in** Geology  
Doctor of Philosophy in Earth and Environmental Science with **Dissertation in** Geobiology  
Doctor of Philosophy in Earth and Environmental Science with **Dissertation in** Geochemistry  
Doctor of Philosophy in Earth and Environmental Science with **Dissertation in** Geophysics  
Doctor of Philosophy in Earth and Environmental Science with **Dissertation in** Hydrology  
Doctor of Philosophy in Mechanical Engineering with **Dissertation in** Intelligent Energetic Systems (under review)  
Doctor of Philosophy in Physics with **Dissertation in** Astrophysics  
Doctor of Philosophy in Physics with **Dissertation in** Atmospheric Physics  
Doctor of Philosophy in Physics with **Dissertation in** Mathematical Physics