**LEVEL DEFINITION**
This level covers positions that contribute to the coordination of experimental and analytical investigations related to engineering design and equipment. May design, construct, install and maintain scientific research equipment of a complex and technical nature.

**TYPICAL RESPONSIBILITIES**
May include: designing analytical models and computer programs for compiling data; developing algorithms and pattern recognition methods; completing complex design calculations related to experimental work; assessing design alternatives; applying teaching techniques to effect improvements in laboratory courses; conducting experiments, collating and analysing data; detailing designs and specifications for experimental equipment; construction, assembly and calibration, modification, maintenance and repair of equipment; providing technical assistance and advice to faculty and students.

**DECISION MAKING /LEVEL OF ACCOUNTABILITY**
Governed by the general guidelines of the profession makes technical decisions and recommendations on all aspects of the work.

**SUPERVISION RECEIVED**
Works independently within project objectives. Informed technical guidance is available.

**SUPERVISION EXERCISED**
May provide guidance and direction to technical staff in carrying out experiments or constructing equipment.

**MINIMUM QUALIFICATIONS**
Undergraduate degree in Engineering or Applied Science. Minimum of three years of related experience, or the equivalent combination of education and experience.

*Updated: July 1, 2019*