

M&P OCCUPATIONAL GUIDELINE

JOB FAMILY: SCIENTIFIC ENGINEERING Level B, Pay Grade 6

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.