

# M&P OCCUPATIONAL GUIDELINE

## JOB FAMILY: SCIENTIFIC ENGINEERING Level D, Pay Grade 9

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| <b>LEVEL DEFINITION</b>                         | This level covers positions responsible for a variety of assignments within a given field of specialization. Incumbents may be responsible for the supervision of workshop facilities or may be responsible for the planning and development of highly advanced equipment and have little or no supervisory responsibility.   |
| <b>TYPICAL RESPONSIBILITIES</b>                 | May include: leading and managing development within area of specialization; determining and directing project needs and resources; designing and developing systems, methods or equipment to meet project objectives; developing suitable projects for undergraduate and graduate courses; consulting and advising users on planned and present projects regarding equipment, systems and facilities and engineering; conducting research on recent developments in area of specialization; advising acquisition of new system or systems construction incorporating new equipment available in the market; testing, installing and maintaining new, existing or modified systems and equipment; overseeing budgets. |
| <b>DECISION MAKING /LEVEL OF ACCOUNTABILITY</b> | Makes recommendations to users on the conducting of projects, purchase of equipment and services for the department.<br><br>Decisions affect the quality of the research and may ensure future funding for similar projects.  |
| <b>SUPERVISION RECEIVED</b>                     | Works independently under general direction from Project Directors, committees or clients. Assignments given in terms of project plan and objectives. Work is reviewed against objectives.  |
| <b>SUPERVISION EXERCISED</b>                    | May directly supervise, coordinate, organise or control the activities of engineering and/or senior technical staff involved in building, installing and/or maintaining equipment.  |
| <b>MINIMUM QUALIFICATIONS</b>                   | University degree in Engineering or Applied Science with advanced training in field of specialization. Minimum of ten years of related experience, or the equivalent combination of education and experience.   |