

<b>Role:</b>	Materials Engineering Intern	<b>Reporting to:</b>	Senior Metallurgist
<b>Division:</b>	MIN	<b>Business Unit:</b>	Divisional Technology
<b>Work location:</b>	Artarmon, NSW	<b>Country:</b>	Australia
<b>Manage Others:</b>	No	<b>Department:</b>	Applied Materials Group – Alloys and Materials Laboratory

**Business Need / Purpose of Role:**  
 To provide metallurgical and elastomer support to Alloys and Elastomer R&D teams. Support global wear test program and initiatives. To provide general laboratory and maintenance program for equipment.

**Objectives & Measurement**  
**Key Responsibilities and Specific Accountabilities:**

**Objectives:**

- Commitment to health, safety, environment and quality
- Delivery of laboratory services to Alloys and Elastomer R&D teams.
- Maintaining high level of quality and precision in materials testing.
- Maintenance of laboratory equipment.
- Completion of assigned scientific tasks/projects.

**Measurements:**

- Complete assigned tasks related to HSEQ
- Complete all assigned Alloy and Elastomer R&D in research projects within the requested timeframe.
- Complete assigned technical work within requested timeframe
- Complete assigned MSR's on time and in full
- Maintain good housekeeping practices in laboratory
- Support Weir Minerals 5S initiatives
- Complete assigned work in accordance with methods in laboratory SOPs.
- Keep records of laboratory testing and equipment maintenance in manner consistent with NATA accredited laboratory.
- Update/review laboratory SOPs as necessary.

**Job Knowledge / Education and Qualifications**  
 The details described here are representative of those that are encountered by or must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

**Education and/or Experience:** A bachelor level degree in materials engineering, materials science or a related physical science

- Metallurgical and/or chemical laboratory experience

**Language Skills:** Ability to read a limited number of two- and three-syllable words and to recognize similarities and differences between words and between series of numbers. Ability to print and speak simple sentences.

**Mathematical:** Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate, ratio, and percent and to draw and interpret bar graphs.

**Reasoning Ability:** Ability to apply common sense understanding to carry out detailed but uninvolved written or oral instructions. Ability to deal with problems involving a few concrete variables in standardized situations.

**Computer Skills:** Competent user of Microsoft Word, Powerpoint, Excel

**Physical Demands:** The employee must occasionally lift and/or move up to 15 kilograms.

**Work Environment:** Moderate (examples: business office with computers and printers, light traffic, chemical laboratory work, pilot production plant)

**Core Competencies**  
 To perform the job successfully, an individual should demonstrate the following competencies.

**INTELLECTUAL**

**Analytical** - Synthesizes complex or diverse information; collects and researches data; uses intuition and experience to complement data; designs work flows and procedures.

**Technical Skills** - Assesses own strengths and weaknesses; pursues training and development opportunities; strives to continuously build knowledge and skills; shares expertise with others.

**Teamwork** - Balances team and individual responsibilities; exhibits objectivity and openness to others' views; gives and welcomes feedback; contributes to building a positive team spirit; puts success of team above own interests; able to build morale and group commitments to goals and objectives; supports everyone's efforts to succeed.

**Interpersonal Skills** - Focuses on solving conflict, not blaming; maintains confidentiality; listens to others without interrupting; keeps emotions under control; remains open to others' ideas and tries new things.

**SELF MANAGEMENT**

**Planning/Organizing** - Prioritizes and plans work activities; uses time efficiently; plans for additional resources; sets goals and objectives; organizes or schedules other people and their tasks; develops realistic action plans.

**Initiative** - Volunteers readily; undertakes self-development activities; seeks increased responsibilities; takes independent actions and calculated risks; looks for and takes advantage of opportunities; asks for and offers help when needed.

**Health, Safety & Environment**

While at work a worker must:

- take reasonable care for their own health and safety
- take reasonable care for the health and safety of others, company property and equipment; and the prevention of environmental harm
- comply with any reasonable instructions, policies and procedure given by WEIR Minerals Australia

Breaches of this duty may result in termination.

**Regional Information (if applicable)**

**a) Internal stakeholders**

- Alloys R&D team
- Elastomer R&D team
- Applied materials laboratory staff
- Weir manufacturing team
- Weir sales and marketing team

**b) External stakeholders**

- Equipment vendors and equipment maintenance providers
- Various external consultants/service providers (as required on a project basis)
- Local and overseas universities