Job Class Profile: Prosthetic/Orthotic Technician II

Pay Level: CG-26 Point Band: 490-533

Factor	Knowledge	Interpersonal Skills	Physical Effort	Concentration	Complexity	Accountability & Decision Making	Impact	Development and Leadership	Environmental Working Conditions	Total Points
Rating	3	2	5	6	2	2	4	1	5	
Points	140	33	32	29	60	43	83	21	54	495

JOB SUMMARY

The Prosthetic/Orthotic Technician II is responsible for performing entry level technical work in a prosthetic/orthotic laboratory. Work involves the fabrication of standard components for prosthetic, orthotic and adaptive seating devices and in the modification and repair of orthopaedic footwear.

Key and Periodic Activities

- Performs assigned tasks in the fabrication of orthopaedic footwear, prostheses/orthoses and adaptive seating; builds up heels, shapes and attaches wedges and other adaptive shoe work; attaches straps and supports and leather work for orthoses.
- Assists higher level professional and technical staff by mixing plaster and laminating, finishing and repairing prosthetic and orthotic devices as assigned.
- Operates power tools and machinery within a prosthetics/orthotics laboratory; ensures safety in the use of the laboratory tools and equipment.
- Fulfills work order requirements and documents labour and materials used.

SKILL

Knowledge

General and Specific Knowledge:

- Fabrication of artificial limbs and range of bracing devices
- Preparing casts and molds to bench alignment

Formal Education and/or Certification(s):

- Minimum: Graduation from High School with some technical or clinical training considered an asset. Eligibility to register for the Canadian Association of Prosthetists and Orthotists.

Years of Experience:

- Minimum: At least 1 year experience in a prosthetics/orthotics laboratory or an equivalent work environment.

Competencies:

- The use of machinery such as band saws, drill presses, and handheld rotary tools.

— Artistic design skills — Identifying materials and components for devices
Interpersonal Skills
— A range of interpersonal skills are used to perform activities such as listen to and ask questions regarding the modification and repair of orthopaedic devices and the fabrication of standard components of prosthetic/orthotic and adaptive seats. — Communications occur with employees within the immediate work area regarding the fabrication of standard prosthetic/orthotic components. — The most significant contacts would include other technicians and professional prosthetic/orthotic staff, as tasks involve fabrication work in the repair of orthotics/prosthetics and adaptive equipment.

EFFORT

Physical Effort
— Constantly required to exert physical effort which can result in fatigue requiring periods of rest and requires strength and endurance. Work has a continuous flow of physical activity as most of its time is fabrication; however, as multiple projects are ongoing at any time, may be able to take a break from physically demanding activities and perform less demanding ones if fatigue sets in. — Lifts various fabrication materials weighing between 25 and 50 lbs such as plaster materials, and 4'x8' sheets of stock materials, works with plaster casts which can be quite heavy and many of the items are awkwardly shaped making lifting and moving difficult. — Physical effort includes lifting and holding devices during various phases of fabrication which requires prolonged periods of being in awkward/cramped positions. — Uses gross motor skills to lift sheets of materials, and to pour plaster. Riveting and chiselling plaster from a socket requires rapid physical movement requiring reflexes.
Concentration
— **Visual concentration** is required to mark reference lines on devices being fabricated, and when using machinery such as a band saw, reading precise measurements, etc. — **Auditory concentration** includes listening to other staff while working in a noisy environment, and for signs of equipment malfunction. — **Other sensory concentration includes touch** for assessing surface finishes, transition of trimlines, etc. — **Higher than normal levels of attentiveness** are required to fabricate and repair devices and operate equipment. — Required to work under **deadlines** to have devices ready for clients, and when using bonding agents such as resins that dry quickly. — **Eye/hand coordination** is required in all aspects of fabrication work as work is completed by using hand held tools. — **Exact results and precision** are required to ensure a device is going to fit and benefit the client and any deviations from exact specifications will result in misalignment making the device non-functional.

Complexity
— Required to deal with highly technical tasks or problems however the work assignments are very specific and under direct supervision of a more senior staff member. Tasks are generally quite different but allow for use of similar skills and knowledge. While all tasks relate to the fabrication and repair of prosthesis and orthoses, each device has different requirements, therefore incumbents must be constantly aware of these differences and any new techniques available. — There are various manuals and guidelines to assist and on site help from other technicians and co-workers, and manufacturer's technical support are available.

RESPONSIBILITY

Accountability and Decision-Making
— All work performed is under the close supervision of a Prosthetist/Orthotist or a registered Technician and receives detailed reviews for technical and functional results. — Without formal approval, able to remove items from the stockroom as required for a job. — Formal approval is required for all variances from assigned work. — Will use some discretion and judgement to interpret directions and apply guidelines during the execution of a work order as the work order will state the end result. Team work is critical as work is performed to the expectation levels of the Prosthetist/Orthotist and the client.
Impact
— Generally has impact within immediate work area, department, and on clients. Additionally, work activities may impact equipment, finances (i.e. clients are billed for devices fabricated), and material resources. — Work can have a positive or negative impact on client functionality. Clients could incur injury or suffer setbacks in rehabilitative therapy, if devices are not fabricated correctly or malfunction, depending on whether the fabricated devices meet the client needs. — Work tasks and activities are highly monitored and controlled as work is performed under the close supervision of a Prosthetist/Orthotist or a registered Technician with all work receiving detailed reviews for technical and functional results. — Errors will be detected through the supervisory process.
Development and Leadership of Others
— Not responsible for the supervision of staff.

WORKING CONDITIONS

Environmental Working Conditions
— Required to use safety precautions and equipment such as wearing a respirator, eye protection, hearing protection and covering skin when working with irritants such as fibreglass. — There is a moderate likelihood of receiving minor cuts, bruises and abrasions; however, there is a lesser likelihood of any illness or injury beyond this level of severity.

— Work is performed in an open workshop environment with regular exposure to fumes (i.e. glue, glue thinner, resin, carbon and fibreglass), unusual distracting noise (i.e. equipment and hand held tools), lack of privacy, hazardous chemicals, toxic or poisonous substances, sharp objects, and heavy machinery; and occasional exposure to limited ventilation, vibration, odours, wet/slippery surfaces and confined spaces.