

## HIGHER EDUCATION PERSONNEL

Specification for Class

Class Code: 5278

### TOWER CRANE OPERATOR – RESEARCH

**Abolished Effective June 1, 2005**

#### BASIC FUNCTION

Operate, maintain, and perform routine repairs on a Liebherr 550 HC or similar tower crane in support of forest canopy research. Conduct daily inspections of the crane and all related operating equipment prior to crane operation.

#### DISTINGUISHING CHARACTERISTICS

Under general direction, operate a tower crane to transport people and equipment to the forest canopy. Navigate load jib with gondola to specified sites within the forest canopy. Perform routine maintenance and repairs. Ensure that all requirements are met for safe crane operation including knowledge of gondola rescue techniques.

#### TYPICAL WORK

Operate Liebherr 550 HC or similar tower crane;

Act as Site Safety Officer and ensure the safe operation of the tower crane;

Consult with researchers prior to operations to develop a work plan that meets the needs of the research project(s), maintains safety standards, and eliminates or minimizes damage to the research area;

Practice and train in vertical rope rescue and tree climbing;

Perform all required crane inspections;

Work with crane operation consultants to learn specifics of crane operation, maintenance and repair protocol;

Direct other staff who supports crane operation;

Ensure that shop facilities used to support the maintenance, operation and repair of the crane and related equipment are operated and maintained according to research needs and all applicable safety standards;

Purchase crane related materials (gondola, fencing, rigging, crane components) and all other tools

and equipment as required;

Operate and maintain other heavy equipment such as loaders, dozer, backhoe, snowplow, and bobcat;

May perform carpentry and metal fabrication in support of field station operation;

Perform related duties as required.

MINIMUM QUALIFICATIONS

Two years of experience in operation of a Tower Crane

OR

equivalent training in the operation of a tower crane gained through a vocational school or other apprentice program.

New Class: 4-21-2000