Comparisons of Job Characteristics

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
Associated Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
Associated Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Production and Processing	6.0	17.4	10.1	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.0	2.2	<<	Extensive education and/or training may be required
Education and Training	9.2	11.1	3.5	<<	Extensive education and/or training may be required
Mechanical	6.8	10.9	8.1	<<	Extensive education and/or training may be required
Mathematics	9.2	10.6	5.6	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	10.2	1.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 13

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
Associated Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Time Management	8.9	12.6	6.7	<<	Extensive development of skills in this area may be required

Coordination	9.1	12.0	5.0	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	11.8	3.7	<<	Extensive development of skills in this area may be required
Negotiation	6.8	9.8	4.0	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	5.8	1.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 53

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
Associated Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	14.0	8.8	<<	Extensive improvement in abilities may be required
Oral Comprehension	12.5	13.3	8.4	<<	Extensive improvement in abilities may be required
Written Comprehension	11.0	12.2	7.9	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	12.1	8.8	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	11.4	8.3	<<	Extensive improvement in abilities may be required
Speech Clarity	10.2	11.0	7.0	<<	Extensive improvement in abilities may be required
Written Expression	9.8	11.0	5.5	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	10.7	7.3	<<	Extensive improvement in abilities may be required
Originality	7.6	9.7	4.8	<<	Extensive improvement in abilities may be required
Fluency of Ideas	7.6	9.1	4.5	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	8.4	8.8	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
Associated Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Compute production, construction, or installation specifications	58
Examine products or work to verify conformance to specifications	15
Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems	27
Read work order, instructions, formulas, or processing charts	9
Requisition stock, materials, supplies or equipment	54
Set up production equipment or machinery	51
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)
Associated Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.