

PART II	DEPARTMENT OF EDUCATION	8G.502
	STATE OF HAWAII	8G.504
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	Minimum Qualification Specifications	8G.509
	for the Classes:	8G.512
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	<u>ENGINEERING AID I, II, III, IV</u>	8G.516
	<u>ENGINEERING TECHNCIAN V, VI, VII, VIII</u>	

Education Requirement:

Graduation from high school with courses in mathematics.

Excess experience of the type and quality described below; or any responsible experience requiring a high degree of analytical skill may be substituted for education on a year-for-year basis.

Experience Requirements:

Except for the substitution provided for in this specification, applicants must have had progressively responsible experience of the kind and quality described below, and in the amounts indicated in the following table:

Class Title	Engineering-Support Exp (Yrs)	*Supervisory Experience Yrs)	Total Exp (Yrs)
Engineering Aid I	0	0	0
Engineering Aid II	1	0	1
Engineering Aid III	2	0	2
Engineering Aid IV	3	0	3
Engineering Technician V	4**	0	4
Engineering Technician VI	4**	1	5
Engineering Technician VII	4**	2	6
Engineering Technician VIII	4**	3	7

Engineering-Support Experience: Work experience in one or a combination of the engineering-oriented functions such as inspection, testing, designing, surveying, drafting, and constructing, which required the knowledge of engineering terminology and the ability to use mathematical skills in the solution of engineering-support or engineering problems.

Quality of Experience: The number of years or experience required represents the minimum amount of time necessary to qualify for the appropriate position, but length of time is not in itself qualifying. The applicant's work experience must also have been of a quality and scope sufficient to enable him to perform satisfactorily assignments typical

of the level of the position for which he is being considered.

For the Engineering Aid II level, experience doing simple, repetitive engineering supportive tasks may be considered as qualifying provided the experience demonstrates that the incumbent possesses the knowledge of engineering terminology and the ability to solve simple mathematical problems.

(\*\*)For the Engineering Technician V and VI levels, at least one year of the required experience must have been experience comparable to the Engineering Aid IV level, or two years of experience comparable to the Engineering Aid III level in the State government. For the Engineering Technician VII and VIII levels, applicant must have had either one year experience sufficiently comparable to the next lower level, or two years of experience sufficiently comparable to the next lower level; i.e., an applicant filing for Engineering Technician VIII must have had one year of experience comparable to that of an Engineering Technician VII in the State government or two years of experience comparable to that of an Engineering Technician VI in the State government.

(\*)Supervisory Experience: Depending on the major duties and responsibilities of the position, applicants filing for Engineering Technician VI through VIII must have had either supervisory experience or technical engineering-support experience of the type and quality described below:

For Supervisory Positions: Engineering technician experience which included coordinating and assigning work, evaluating performance, assisting in difficult and problem areas, and training of subordinates.

For the V level supervisory positions, supervisory aptitude rather than actual supervisory experience may be accepted. Supervisory aptitude will be considered to be met when there is strong evidence of the necessary supervisory potential as demonstrated by outstanding performance on special assignments of understudy activities, self-development programs such as training in supervision, or affirmative appraisals by supervisors as to leadership qualities.

For Non-Supervisory Positions: For non-supervisory positions at the VI through VIII levels, technical work experience in engineering-support activities comparable to that gained at the Engineering Aid III level or higher in the State government may be accepted as qualifying.

Substitution Allowed:

Successful completion of a course of study in Engineering Technology at an accredited community college may be substituted for the required Engineering-Support

Experience on a year-for-year basis, up to a maximum of 2 years.

Driver's License:

For some positions, applicants may be required to have a valid Hawaii State driver's license.

Selective Certification:

Some Engineering Aid/Technician positions may require the background and thorough knowledge of a particular engineering discipline; e. g., materials testing and inspection, traffic survey, etc. For some positions, certification may be restricted to eligibles who possess the pertinent experience and/or training required to perform the duties of the position.

Agencies requesting selective certification must substantiate their reason(s) for requesting same.

Physical Requirements:

Applicants must be able to perform the essential duties and responsibilities of the position effectively and safely, with or without reasonable accommodation.

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This is the first specifications for the new ENGINEERING AID AND TECHNICIAN SERIES. (Minimum Qualification Specifications)

DATE APPROVED: 9/3/10

EFFECTIVE DATE: 9/3/10



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Office of Human Resources