

## TEST PLAN - OPTION A

### ENGINEERING TECHNICIAN 2 - #3110

1. Minimum Qualifications Screening
2. Agency may:
  - develop test questions and criteria at the time of recruitment, or
  - use the core T&E test that has been developed on:
    - A. Surveying and Drafting 25%
    - B. Map and Specification Reading 35%
    - C. Document Analysis and Computer Use 40%
3. Those ranking highest on the test will be invited to participate in the next phase of the selection process.
4. If you are hired, certain knowledge and skills will be assessed during your trial service period.

#### MINIMUM QUALIFICATIONS

- a Bachelor's degree in Civil Engineering or equivalent; **OR**
- two years of experience, equivalent to an Engineering Technician 1, performing a variety of technical engineering work such as a head chain or level person on a survey crew; drafting preliminary plans prepared in a field office; inspecting contractor's work; and testing materials used on construction projects **and**
- **one of the following:**
  - an Associate degree in Engineering Technology, Drafting, or a closely-related engineering field from an accredited community college or technical school; **or**
  - eighteen quarter (12 semester) hours of college-level engineering drawing, surveying, or related civil engineering courses; **or**
  - one additional year of work experience providing a knowledge of engineering surveying and drafting principles and practices.

**Transcripts must be submitted for all required and/or related courses.**

## TEST PLAN - OPTION B

### ENGINEERING TECHNICIAN 2 - #3110 (WATER RESOURCES OPTION)

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| 1. Minimum Qualifications Screening  | <b>Pass/Fail</b> |
| 2. Evaluation of training and experience for those passing the minimum qualifications screening. <b>A core T&amp;E exam has been developed on:</b> |                  |
| A. Surveying, Drafting, and Map Preparation  | <b>35%</b>       |
| B. Regulatory Compliance Monitoring  | <b>20%</b>       |
| C. Water Measurement and Oregon Water Law  | <b>25%</b>       |
| D. Computer Use  | <b>20%</b>       |
|  | <b>100%</b>      |
| 3. Those ranking highest on the above portions of the test will be invited to an oral interview.   | <b>Pass/Fail</b> |
| 4. If you are hired, certain knowledge and skills will be assessed during your trial service period.   | <b>Pass/Fail</b> |

#### MINIMUM QUALIFICATIONS

- a Bachelor's degree in Civil Engineering, Architecture, Geology, Mathematics, Hydrology, Physics, or equivalent; **OR**
- two years of experience, equivalent to an Engineering Technician 1, performing a variety of technical engineering work such as a head chain or level person on a survey crew; drafting preliminary plans prepared in a field office; drafting maps; inspecting contractor's work to gain regulation compliance; testing materials used on construction projects; measuring water flow and/or dispersion; and applying Oregon water laws **and**
- **one of the following:**
  - 👉 an Associate degree in Engineering Technology, Water Resource Technology, or a closely-related engineering field from an accredited community college or technical school; **or**
  - 👉 eighteen quarter (12 semester) hours of college-level engineering drawing, surveying, or related civil engineering courses; **or**
  - 👉 one additional year of work experience providing a knowledge of engineering surveying and drafting principles and practices.

**Transcripts must be submitted for all required/related courses.**

**TEST PLAN - OPTION C**

**ENGINEERING TECHNICIAN 2 - 3110  
(Division of State Lands Option)**

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| 1. Minimum Qualification Screening   | <b>Pass/Fail</b> |
| 2. Evaluation of training and experience for those passing the minimum qualifications screening. <b>A core T&amp;E exam has been developed on:</b> |                  |
| A. Surveying and Drafting  | <b>27%</b>       |
| B. Map and specification reading   | <b>33 %</b>      |
| C. Document Analysis and Computer Use  | <b>40%</b>       |
|  | <b>100%</b>      |
| 3. Those ranking highest on the above portions of the test will be invited to an oral hiring interview.  | <b>Pass/Fail</b> |
| 4. If you are hired, certain knowledge and skills will be assessed during your trial service period.   | <b>Pass/Fail</b> |

**MINIMUM QUALIFICATION**

- an Associate's degree in Engineering Technology or Drafting from a recognized community college or technical school **and** one year of experience directly related to engineering; **OR**
- a Bachelor's degree in Engineering.

A Bachelor's degree in Architecture, Geology, Mathematics, or Physics; **or** an additional eighteen months of related engineering experience may be substituted for the Associate's degree in Engineering Technology or Drafting.