

## TEST PLAN - OPTION A

### ENGINEERING TECHNICIAN 3 - #3111

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 Methods and Equipment 50%
    - B. Drafting and Mapping 20%
    - C. Computer Hardware and Software Application 30%
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; **and**
- one year of experience equivalent to the level of Engineering Technician 2 performing a variety of technical civil engineering work such as an instrument person on a survey crew with primary responsibility for (a) operating the transit, (b) performing technical drafting or preparing preliminary engineering plans, (c) inspection of contractors' work as a senior inspector, and (d) testing of materials used on construction projects; **OR**
- two years experience performing a variety of civil engineering work equivalent to the level of Engineering Technician 2 as previously described in areas (a) through (d); **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 courses in 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 3 - #3111  
(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 Methods and Equipment   | <b>35%</b>        |
| B. Drafting and Mapping  | <b>15%</b>        |
| C. Irrigation and Hydrographic Principles  | <b>25%</b>        |
| D. Computer Hardware and Software Application  | <b><u>25%</u></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 **and** one year of experience equivalent to an Engineering Technician 2 in water resources performing a variety of technical engineering work in the field such as instrument person on a survey crew with primary responsibility for operating the transit, technical drafting of preliminary engineering plans and maps in a field office, inspection and compliance enforcement of contractors' work as a senior inspector, testing of materials used on construction projects; and application of Oregon Water laws; **OR**
- two years of experience equivalent to an Engineering Technician 2 in water resources **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 and/or related courses.**