

CALIFORNIA BOARD OF FORESTRY AND FIRE PROTECTION

OFFICE OF FORESTERS REGISTRATION

WHAT DO FORESTERS DO?



FORESTERS WORK IN FORESTED LANDSCAPES

A Professional Forester means a person who, by reason of his or her knowledge of the natural sciences, mathematics, and the principles of forestry, acquired by forestry education and experience, performs services, including consultation, investigation, evaluation, planning, or responsible supervision of forestry activities

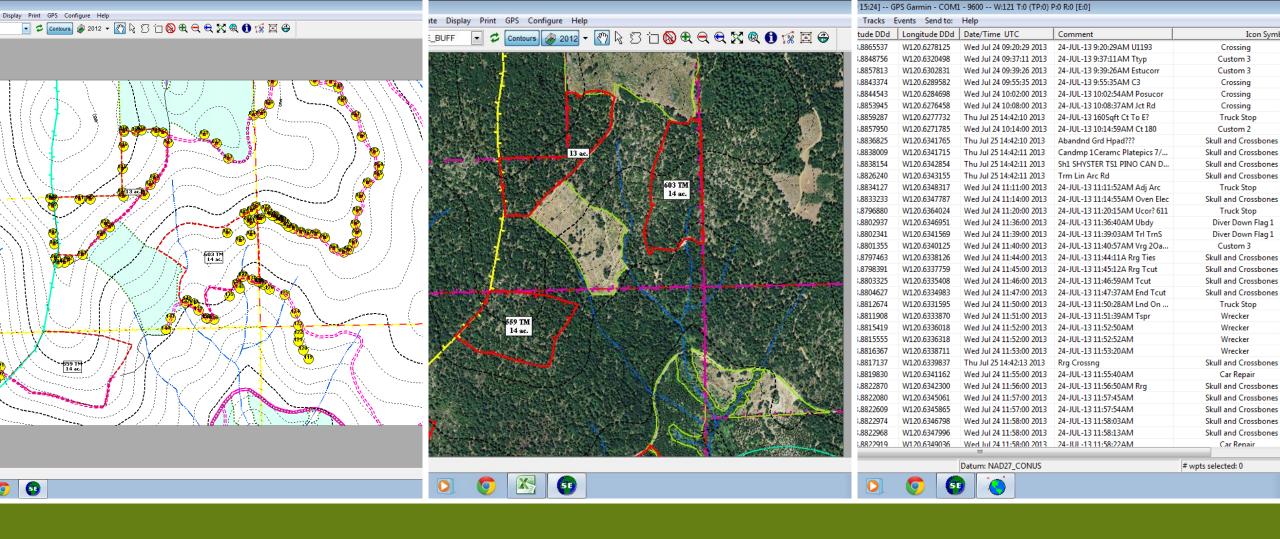


FORESTERS WRITE PLANS FOR TIMBER HARVEST

A Timber Harvest Plan (THP) is an environmental document that is the functional equivalent to an Environmental Impact Report under the California Environmental Quality Act (CEQA) passed in 1970.

The THP is prepared by a Registered Professional Forester and details how the timber will be harvested and the steps to be taken to protect the environment.

It includes evaluation of the impacts to biological, watershed, soil productivity, visual, traffic, and recreational resources as well as an archaeological report.



FORESTERS USE GIS TO MAKE MAPS

FOR TIMBER HARVEST PLANS, REFORESTATION, WATERSHED AND ROADS







FORESTERS CONDUCT ARCHAEOLOGICAL SURVEYS

TO IDENTIFY SENSITIVE NATIVE AMERICAN AND HISTORIC SITES



FORESTERS CONSTRUCT AND RECONSTRUCT FOREST ROADS

THEY DESIGN WATERCOURSE CROSSINGS AND LOCATE ROADS FOR TIMBER HARVEST



FORESTERS PREPARE HARVESTED SITES FOR REFORESTATION AND MAINTAIN FOREST HEALTH

THEY PREPARE THE SITE USING PRESCRIBED FIRE, THEN OVERSEE CREWS TO PLANT AND MAINTAIN TREES TO MATURITY







FORESTERS ADMINISTER LOGGING AND ENFORCE THE FOREST PRACTICE RULES

CAL FIRE NEEDS FORESTERS TO ADMINISTER THEIR PROGRAMS IN URBAN FORESTRY, RESOURCE MANAGEMENT,
FOREST PRACTICE AND LAW ENFORCEMENT



FOR A FORESTER, THE OFFICE IS THE OUTDOORS

FOR A REGISTERED PROFESSIONAL FORESTER CONSULTING OR WORKING IN THE TIMBER INDUSTRY, 3 OUT OF 5 WORKDAYS ARE LIKELY SPENT WORKING OUTDOORS INDEPENDENTLY









BECOMING AN RPF REQUIRES <u>7 YEARS</u> OF QUALIFYING EXPERIENCE *OR* EXPERIENCE COMBINED WITH EDUCATION *AND* MUST PASS A COMPREHENSIVE EXAM WITH A SCORE OF AT LEAST 75%

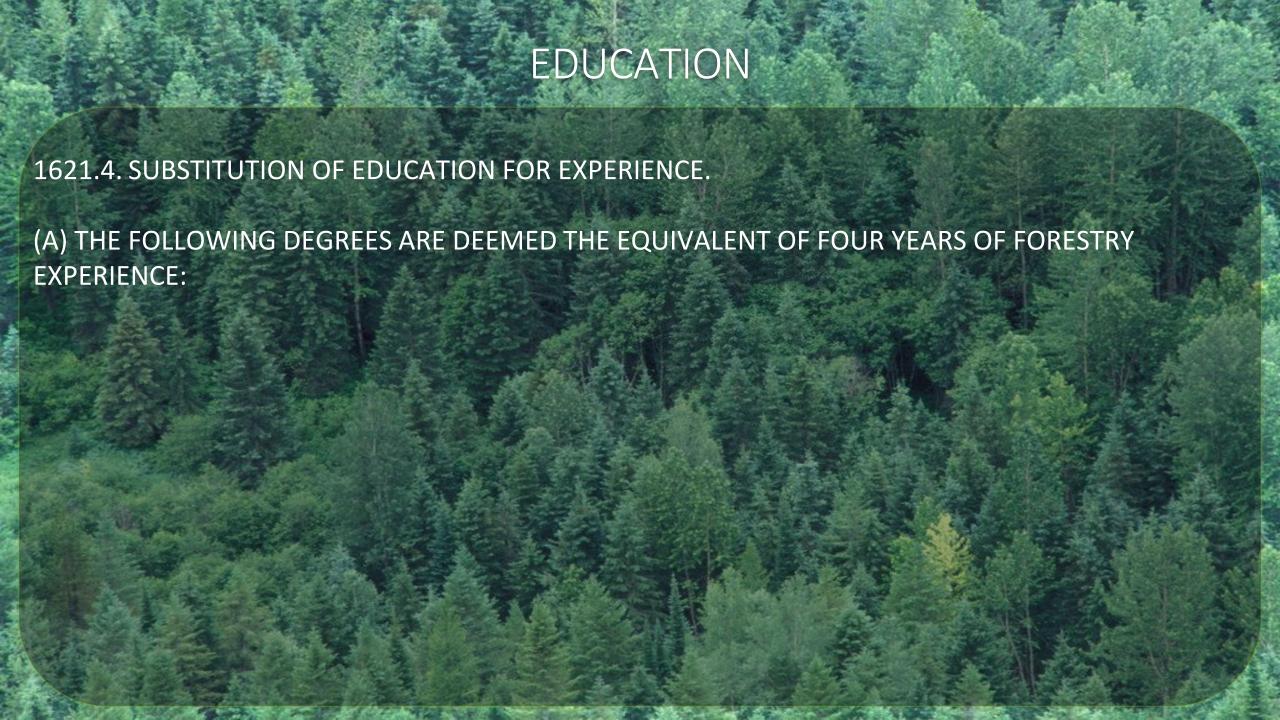
1621.1. Qualifying Forestry Work Experiences.

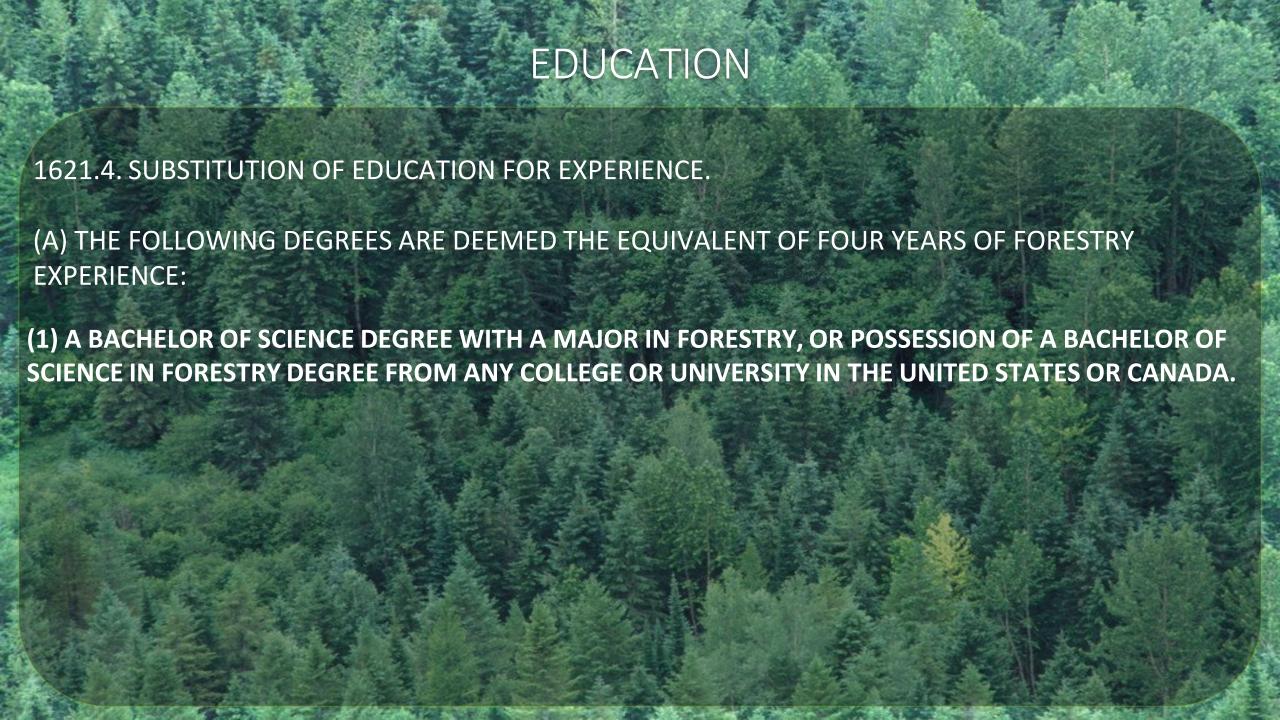
- A. "Forestry work," within the meaning of Section 769 of the Code, includes those activities which demonstrate professional competence in the science, art, and practice of managing and using for human benefit while protecting the public interest, the natural resources that occur on and in association with, forest land.
- B. Forestry experience qualifying to take the exam shall demonstrate an increasing level of responsibility and complexity over the required time, and is more particularly classified as:
 - 1. Forest management, which includes that branch of forestry concerned with overall administration in forest economics, legal and social aspects; forest mensuration, forest regulation, and the development of access for protection and management of the resource.
 - 2. Silviculture, which includes the science and practice of controlling the composition, constitution, and growth of forests, including also stand improvement, forest nursery production, the techniques of seeding and planting, and reforestation.
 - 3. Forest protection, which includes the prevention and control of damage to forests, inclusive of control of forest pests; the prevention and control of wildfire; the protection of soils from erosion, and the reduction and repair of damage resulting from all of these and those related to climatic agent. Up to two years of the activities in this subsection qualify except when Section 1622(c) are met.

- 4. Forest utilization which includes scaling, and logging involving felling, bucking, choker setting, and skidding/yarding. Up to two years of the activities in this subsection qualify except when Section 1622 of this article applies: additional time can qualify when conditions in 1622(c) are met.
- 5. Forest and watershed management planning, initiated and carried out in:
 - A. forest working plans,
 - B. forest practice standards,
 - C. management contracts,
 - D. litigation reports and testimony,
 - E. trespass,
 - F. the development, maintenance and protection of wildlife habitat and forest range resources,
 - G. forest recreation and environmental studies, and
 - H. reconnaissance and mapping in conservation of forest and watershed lands and the yield thereof, including the investigation of wildlands soils.
- 6. Other forest activities, including timber appraisals, forestry research, urban forestry, and teaching college or university courses in forestry.

NON-FORESTRY EXPERIENCE INCLUDES THE FOLLOWING:

- 1621.2. Non-Qualifying Forestry-Related Work Experience.
- Some forestry-related activities are not considered "forestry work" experience within the meaning of Section 769 of the Code: landscape gardening; horticulture; arboriculture; tree surgery; loading and hauling of logs or other forest products, operations of wood manufacturing or remanufacturing plants; fire lookouts, dispatchers, and fire equipment operators; and agricultural pursuits not related to tree growing.
- 1621.3. Work Experience Obtained While In a Degree Program.
- The following criteria applies to substitutions for forestry work experience toward the seven year requirement. No combination of education and work experience may be counted as more than twelve (12) months for any consecutive twelve month period. Thus, periods worked while in a substituted educational degree program do not qualify because this time is already included in the degree. Work periods that exceed the amount of degree time substituted do qualify.





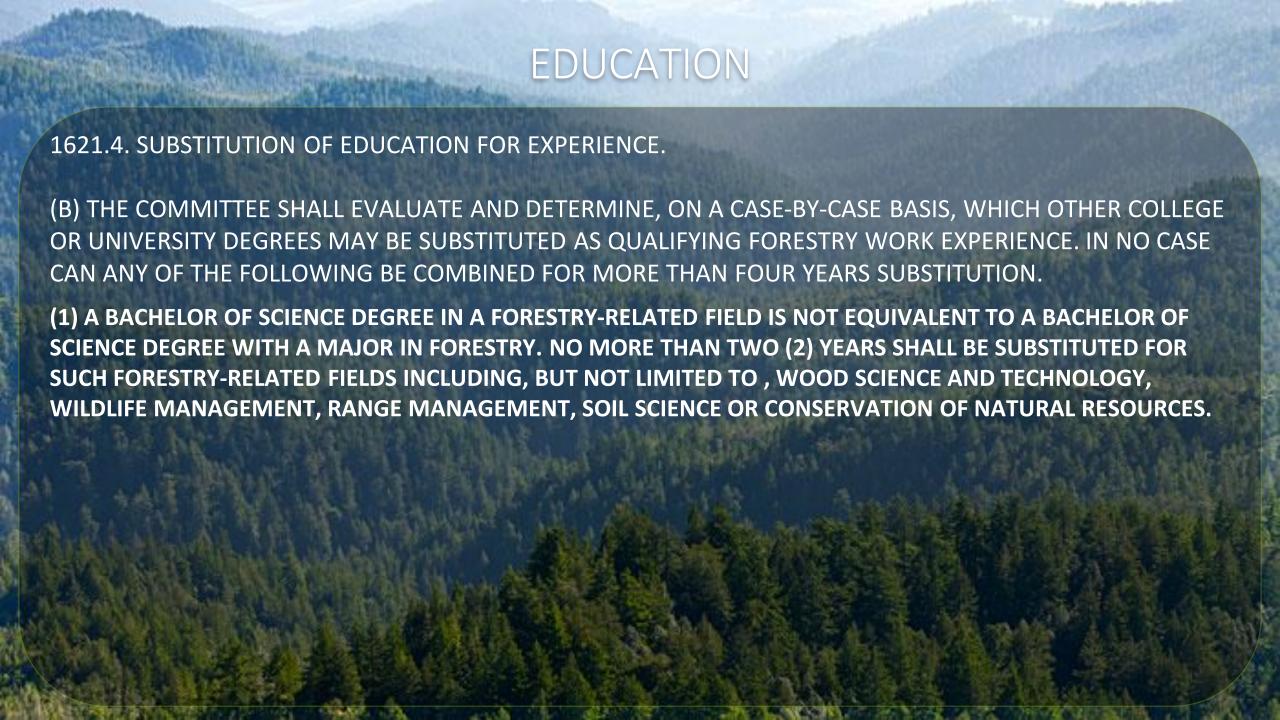


- (A) THE FOLLOWING DEGREES ARE DEEMED THE EQUIVALENT OF FOUR YEARS OF FORESTRY EXPERIENCE:
- (1) A BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN FORESTRY, OR POSSESSION OF A BACHELOR OF SCIENCE IN FORESTRY DEGREE FROM ANY COLLEGE OR UNIVERSITY IN THE UNITED STATES OR CANADA.
- (2) A DEGREE IN FORESTRY, HOWEVER DESIGNATED, FROM A FOREIGN COLLEGE OR UNIVERSITY BASED ON COMPLETION OF A PROGRAM OF AT LEAST FOUR YEARS OF UNIVERSITY LEVEL WORK WITH A MAJOR IN FORESTRY, SUBJECT TO REVIEW AND FAVORABLE RECOMMENDATION OF THE EXAMINING COMMITTEE.

EDUCATION

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- (3) A MASTER OF FORESTRY DEGREE AWARDED AN APPLICANT WHO HOLDS EITHER A BACHELOR OF SCIENCE DEGREE OR A BACHELOR OF ARTS DEGREE WITH A MAJOR IN A FIELD OTHER THAN FORESTRY MAY SUBMIT SUCH EVIDENCE AS A COMPARABLE DEGREE TO THE BACHELOR OF SCIENCE IN FORESTRY DEGREE.





EDUCATION

- (B) THE COMMITTEE SHALL EVALUATE AND DETERMINE, ON A CASE-BY-CASE BASIS, WHICH OTHER COLLEGE OR UNIVERSITY DEGREES MAY BE SUBSTITUTED AS QUALIFYING FORESTRY WORK EXPERIENCE. IN NO CASE CAN ANY OF THE FOLLOWING BE COMBINED FOR MORE THAN FOUR YEARS SUBSTITUTION.
- (1) A BACHELOR OF SCIENCE DEGREE IN A FORESTRY-RELATED FIELD IS NOT EQUIVALENT TO A BACHELOR OF SCIENCE DEGREE WITH A MAJOR IN FORESTRY. NO MORE THAN TWO (2) YEARS SHALL BE SUBSTITUTED FOR SUCH FORESTRY-RELATED FIELDS INCLUDING, BUT NOT LIMITED TO, WOOD SCIENCE AND TECHNOLOGY, WILDLIFE MANAGEMENT, RANGE MANAGEMENT, SOIL SCIENCE OR CONSERVATION OF NATURAL RESOURCES.
- (2) A MASTER OF SCIENCE OR DOCTOR OF PHILOSOPHY DEGREE IN FORESTRY OR FORESTRY-RELATED FIELDS CAN BE SUBSTITUTED ONLY WHEN SUBSECTION 1621.4(B) OF THIS ARTICLE DOES NOT APPLY. NO MORE THAN ONE (1) YEAR FOR EACH OF THESE DEGREES SHALL BE SUBSTITUTED. A MASTER OF FORESTRY DEGREE IS SUBSTITUTED FOR ONLY ONE (1) YEAR UNLESS SUBSECTION 1621.4 (B)(3) OF THIS ARTICLE APPLIES.

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- (3) AN ASSOCIATE OF SCIENCE OR ASSOCIATE OF ARTS WITH A "MAJOR IN FORESTRY" FROM ONE OF THE TWO- YEAR COLLEGES RECOGNIZED AT THE TIME OF APPLICANT GRADUATION BY THE SOCIETY OF AMERICAN FORESTERS CAN BE SUBSTITUTED FOR TWO (2) YEARS EXPERIENCE. THE LISTS(S) MAY BE OBTAINED FROM PROFESSIONAL FORESTERS REGISTRATION, OR SAF, 5400 GROSVENOR LANE, BETHESDA, MARYLAND, 20814-2198.

POSSIBLE COMBINATIONS OF QUALIFYING EXPERIENCE MEETING THE MINIMUM REQUIMENTS FOR ADMISSION TO THE REGISTERED PROFESSIONAL FORESTER EXAMINATION. (Ref. Public Resources Code (PRC) §769(b))

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YEARS

WORK EXPERIENCE ONLY

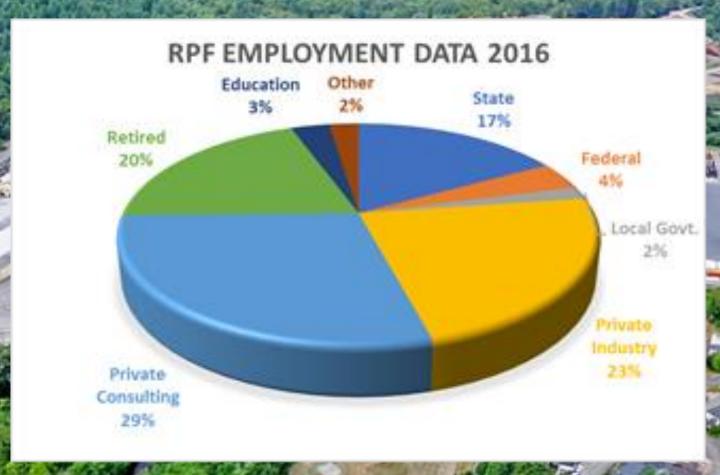
	ry Work R §1621.1	"Having Charge of Forestry Work" or "Under
Forest Utilization or Protection	Forestry Work	the Supervision of a Person Registered"
14 CCR §1621.1(b)(3) & (b)(4)	14 CCR §1621.1	14 CCR §1622

WORK EXPERIENCE WITH EDUCATIONAL SUBSTITUTION

Forestry Work	AA/AS Forestry 14 CCR §1621.4(c)(3)			
14 CCR 16 1 1	BS - Forestry Related 14 CCR §1621.4(c)(1)			
BS – Forestry Related 14 CCR §1621.4(c)(1)	MS Forestry or Related 14CCR §1621(c)(2)	PhD Forestry or Related 14CCR §1621(c)(2)	"Having Charge of Forestry Work" or "Under the Supervision of a Person Registered" 14 CCR §1622	
		Forestry Work 14 CCR §1621.1		
	orestry 1621.4(b)(1)			
BS - Forestry Related <u>and</u> MF Degree 14 CCR §1621.4(b)(3)				
BS – Forestry 14 CCR §1621.4(b)(1)			MF Degree 14CCR §1622(c)(2)	

YEARS

REGISTERED PROFESSIONAL FORESTERS WORK IN A VARIETY OF JOBS









BOTH THE STATE AND PRIVATE INDUSTRY ARE ACTIVELY RECRUITING FOR FORESTERS. EMPLOYMENT IS SOMETIMES OFFERED CONDITIONALLY AS LONG AS THE APPLICANT AGREES TO TAKE AND PASS THE RPF EXAM WITHIN 2 TO 3 YEARS OF EMPLOYMENT.

STARTING PAY FOR A REGISTERED PROFESSIONAL FORESTER IN BOTH STATE AND PRIVATE INDUSTRY CAN RANGE FROM \$ 60,000 TO \$ 75,000 ANNUALLY WITH MEDICAL, DENTAL, VISION AND RETIREMENT BENEFITS.



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CALFIRE FORESTERS TYPICALLY ATTEND A 14 WEEK FIRE ACADEMY. THE TRAINING IS EQUIVALENT TO A FIREFIGHTER II

AND THESE FORESTERS CAN BE ASSIGNED TO WILDLAND FIRES

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IF YOU LIKE THE OUTDOORS, FORESTRY MAY BE FOR YOU!

CAL FIRE FORESTRY POSITIONS



FORESTRY AIDE

REQUIREMENTS

Education: Completion of at least 12 semester units or 18 quarter units from a recognized accredited college or university in forestry or fire science, natural resource management, conservation, or a closely related subject.

OR

Three months of experience with public or private entities performing subprofessional work in forestry, fire prevention, fire suppression and control, natural resource management, or other related work.

CAL FIRE

FORESTRY POSITIONS



FORESTRY TECHNICIAN

REQUIREMENTS

Education: Equivalent to 15 semester units of college in forestry, natural resource management, conservation, or a closely related subject.

OR

Six months of **experience** in practical resource management, conservation, or field work in a State of California resources agency department or in a forest management/timber harvesting operation. (Qualifying experience Includes: reforestation, timber harvest operations, urban forestry, or other related forestry/nursery work; or environmental resource protection work including Resource Protection Trainee/Fire Prevention Assistant, or related fire control experience in the Resources Agency or as a corps member in a California Conservation Corps/California Department of Forestry fire center.)

OR

One year of urban resource community organizing **experience** such as tree planting, community gardening, park development, and civil landscape beautification programs.

AND

Education: Equivalent to completion of the 12th grade.

CAL FIRE

FORESTRY POSITIONS



FORESTRY ASSISTANT I

REQUIREMENTS

Two years of **experience** in California state service performing the duties of a Forestry Technician. (Candidates who are within six months of meeting experience requirements may take the

examination but cannot be appointed until they have obtained the required experience.)

OR

Three years of **experience** in practical resource management or conservation work. (Qualifying experience includes: reforestation, timber harvest operation, urban forestry, or other related forestry work; environmental protection work; fire control experience in the California Department of Forestry, of which a minimum of one year must have been performing duties at a level of responsibility equivalent to the class of Fire Fighter II.)

OR

Education: Equivalent to graduation from technical school in forestry or an AA or AS degree in forestry, natural resources, conservation, or a closely related subject. (Applicants who are within six months of graduation will be admitted to the examination but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.)

CAL FIRE

FORESTRY POSITIONS



FORESTRY ASSISTANT II

REQUIREMENTS

Three years of **experience** in California state service performing the duties of a Forestry Assistant I. (Candidates who are within six months of meeting experience requirements may take the examination but cannot be appointed until they have obtained the required experience.)

OR

Five years of progressively responsible resource management experience. (Qualifying experience

includes: reforestation, timber harvest operations, urban forestry, or other related forestry work; environmental protection work; fire control experience in the California Department of Forestry, of which a minimum of two years must have been at a level of responsibility equivalent to the class of Fire Apparatus Engineer.)

OR

Education: Equivalent to graduation from college with a degree in forestry, natural resource management, conservation, or a closely related subject. (Registration as a senior will admit applicants to the examination, but they must produce evidence of graduation or its equivalent before they can be considered eligible for appointment.)

