

Student No.

**INTRODUCTION TO GREEN SAND MOLDING & FOUNDRY PRACTICE  
ONE-DAY WORKSHOP**

**March 15, 2025 and October 18, 2025**

**Registration Application Form**

**Registration process:**

These workshops are limited to a maximum of twelve students each. Registration confirmation will be issued to the first twelve students for each workshop who have returned a complete registration packet. A complete registration packet comprises the following: a completed registration application form (this form); a completed liability waiver form; and payment of registration fees. These workshops fill very quickly and waiting lists are maintained, so it's imperative that interested students return their registration packets as soon as possible. If you contact us and tell us your registration packet is in the mail, we'll hold your spot long enough for your mail to arrive. We also accept emailed registration packets and credit card payments, which is probably the quickest way to lock up a spot. We'll bend over backward to get you in – contact us and we'll do what we can.

**Workshop date requested** (choose one): \_\_\_\_ March 15, 2025 \_\_\_\_ October 21, 2025

**Student registration information:**

**Name** Last: \_\_\_\_\_ First: \_\_\_\_\_ M.I. : \_\_\_\_\_

**Mailing address** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**Phone** Primary: \_\_\_\_\_ Alternate: \_\_\_\_\_

**Email** Primary: \_\_\_\_\_

**Email** Alternate: \_\_\_\_\_

**Dietary restrictions** (please call with details): \_\_\_\_\_

**Payment information:**

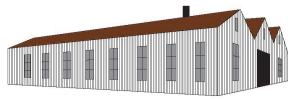
**Registration fee: \$250.**

I am paying by: Check (enclosed) \_\_\_\_ Credit/debit #: \_\_\_\_\_

Expires: \_\_\_\_\_ CVC: \_\_\_\_\_ Name on card: \_\_\_\_\_

Other (explain): \_\_\_\_\_

**Other:** Please come fully prepared for the workshop by reading and understanding the course description and requirements in advance. Be sure to contact us ahead of time with any questions so we can hit the ground running. See you there!



**Release, Hold Harmless, Indemnification Agreement and Agreement Not to Sue**

This liability waiver covers all activities associated with an Introduction to Green Sand Molding and Foundry Practice workshop conducted by the Knight Foundry Alliance at the Historic Knight Foundry site located at 81 Eureka Street, Sutter Creek, California.

Each person listed in the Participant Information Section below must sign and date this form or, if Participant is under age 18, this form must be signed by a parent or guardian of Participant.

**Participant Information**

First Name	Last Name	M/F	Age or Date of birth	Metal working skill level (0-10)	ADA Assistance Needed
1.					<input type="radio"/>
2.					<input type="radio"/>
3.					<input type="radio"/>
4.					<input type="radio"/>
5.					<input type="radio"/>

**Emergency Contact Information**

\_\_\_\_\_  
**First Name**

\_\_\_\_\_  
**Last Name**

\_\_\_\_\_  
**Email address**

**Relationship to Participant listed above**  
 Spouse    Mother    Father    Guardian    Other \_\_\_\_\_

\_\_\_\_\_  
**Street Address**

\_\_\_\_\_  
**City**

\_\_\_\_\_  
**State**

\_\_\_\_\_  
**Zip**

(    ) \_\_\_\_\_  
**Home Phone**

(    ) \_\_\_\_\_  
**Work/Cell Phone**

**Release, Hold Harmless, Indemnification Agreement and Agreement Not to Sue**

**Liability Information**

In consideration for myself, being permitted by the Knight Foundry Alliance and the City of Sutter Creek (Owner) to participate in activities associated with the Introduction to Green Sand Molding and Foundry Practice workshop conducted by the Knight Foundry Alliance at the Historic Knight Foundry site located at 81 Eureka Street, Sutter Creek, California (hereinafter Activity or Activities), I hereby waive, release and discharge any and all claims and damages for personal injury, death or property damage which I or my invitees may sustain or which may occur as a result of mine or my invitees' participation in these Activities.

**I understand and agree that:**

1. This release is intended to discharge in advance the Knight Foundry Alliance and the City of Sutter Creek, its/their officers, employees, volunteers and agents from and against any and all liability, except for their willful negligence or intentional acts, connected in any way with the participation of myself and/or my invitees in these Activities.

2. My participation is voluntary. I understand and acknowledge that the Activity I am about to voluntarily engage in as a participant or student has certain risks including, but not limited to, those which are environmentally, chemically, and/or physically hazardous. I understand these risks, known or unknown, anticipated or unanticipated, may result in injury, death, illness, disease or damage to myself or my property, or to other persons and their property.

**Continue to next page** →  
**Signature(s) required on next page**

3. Knowing the risks involved, nevertheless, I voluntarily request permission for myself and/or invitees to participate in the described Activities. I hereby assume any and all risks of injury, death, illness, disease or property damage and agree to release and hold harmless, and agree not to sue, the Knight Foundry Alliance and/or the City of Sutter Creek, its/their officers, employees & agents, except for their willful negligence or intentional acts.

4. I understand and agree that this release, hold harmless, indemnification agreement, agreement not to sue and assumption of risk are binding on my heirs and assigns.

5. I will indemnify and hold the Knight Foundry Alliance and the City of Sutter Creek harmless from any loss, liability, damage, cost or expense, including litigation, which it/they may incur as a result of any injury, death, illness, disease and/or property damage which myself or my invitees may sustain or cause while participating in said Activities.

6. In the event I or said invitees require(s) medical or surgical treatments while participating in or in any way connected with the Activities conducted by the Knight Foundry Alliance and/or City of Sutter Creek, I will pay all medical, hospital, or other expenses which I or my invitees may incur as a result of such treatment.

7. I understand the Knight Foundry Alliance and/or City of Sutter Creek staff may photograph or videotape me and/or my invitees and I/we agree that the Knight Foundry Alliance and/or City of Sutter Creek may use such photographs or videotapes to promote future programs, classes, workshops or other activities. I expressly allow, and hereby waive any objection to, the Knight Foundry Alliance and/or the City of Sutter Creek photographing and/or videotaping me and/or my invitees when I and/or my invitees are participating in the described Activities. I understand all photos and videotapes will remain the property of the Knight Foundry Alliance and/or the City of Sutter Creek.

*I certify that I am physically able to participate in the described Activities and participate herewith at my own free will. I have carefully read this Release, Hold Harmless, Indemnification Agreement and Agreement Not to Sue and fully understand its contents and acknowledge that it cannot be modified or changed in any way by oral representations. I am aware that this is a release of liability and a contract between myself and the Knight Foundry Alliance, and that I sign it of my own free will.*

\_\_\_\_\_  
Printed Name

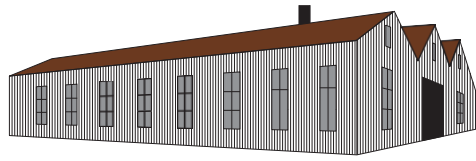
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



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# KNIGHT FOUNDRY

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HISTORIC WATER-POWERED FOUNDRY & MACHINE SHOP

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EST. 1873 SUTTER CREEK, CA

## **Introduction to Green Sand Molding & Foundry Practice Historic Knight Foundry Sutter Creek, California**

8:00am – 4:30pm

### General Course Description

Students will be presented with a comprehensive overview of traditional and fundamental green sand molding & metal casting techniques.

Students begin with an understanding of the Knight Foundry facilities and a discussion of foundry dangers, safety techniques and precautions. Students will then move to the foundry for in-depth training on green sand composition, its unique and peculiar properties in the foundry, and sand conditioning techniques.

Students will create green sand molds using patterns provided for the workshop. Instructors will demonstrate to students classic molding techniques and practices, adding tips & tricks as students sharpen their skills. As molds are completed and readied for pouring, the furnace will be fired and our staff will demonstrate safe pouring procedures and then supervise as students' molds are poured in aluminum.

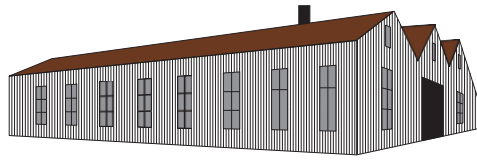
Lunch will be provided. During lunch our instructors and historians will be available to answer questions on the history of Knight Foundry, its historic significance in the community, and the current activities and goals of the Knight Foundry Alliance.

After lunch, students will be introduced to the furnace, with an indoctrination into its operations and associated safety precautions. Next, the morning's castings will be inspected for defects, and in-depth discussion of casting defects, their causes and solutions will follow with an emphasis on defects common to aluminum and iron castings. Then students will be introduced to cores and core making, followed by another molding session using patterns which incorporate cores and training which emphasizes the special venting requirements associated with cores. As molds are completed and readied for pouring, the furnace will be fired again and students will pour the molds they have made.

The afternoon winds up with a broad overview of other molding and casting techniques together with questions, answers and a general discussion of the day's activities.

Our introduction to green sand molding & foundry practice workshop is a fast-paced and intensive course on foundry practice for adults and students interested in learning the fundamentals of aluminum and iron casting in green sand molds. Courses begin at 8:00 am sharp, include a working lunch and lecture, and conclude at approximately 4:30 pm. We recommend comfortable shoes and clothing, as students will be on their feet for most of the day, and we encourage a good night's sleep in advance.

Please note that this course description is general in nature and we may find the need to adjust it somewhat for a variety of reasons. The furnace is quite loud, and while it's music to our ears we do have trouble teaching over it, and sometimes we find it best to combine pours into one afternoon pour. Additionally, we love to teach, which is to say we talk a great deal and sometimes find ourselves behind schedule and scrambling to make up time. No worry ... we'll adjust on the fly to make the program just as fulfilling and educational as described here.



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# KNIGHT FOUNDRY

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HISTORIC WATER-POWERED FOUNDRY & MACHINE SHOP

EST. 1873 SUTTER CREEK, CA

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## **Introduction to Green Sand Molding & Foundry Practice Historic Knight Foundry Sutter Creek, California**

### General Course Outline and Schedule

8:00am – 4:30pm

7:30 – 8:00	Registration & welcome	
8:00	Introduction	Outline of the day's activities & introductions Safe practices, safety gear & precautions Brief tour of Knight Foundry's metal casting facilities
9:00	Green sand molding	Green sand composition and sand conditioning Molding equipment, techniques, tips & tricks Students create molds of their own Fire furnace, pour the morning's molds & shake out
12:00	Lunch (provided)	Informal discussion of the Knight Foundry, its historic significance & the Knight Foundry Alliance (as time allows)
1:00	Casting defects	Common casting defects, causes and solutions
1:30	The furnace	The crucible furnace and how it works
2:15	Advanced techniques	Cores, their use, and core making techniques Students create molds incorporating cores Fire furnace, pour the afternoon's molds & shake out
4:00	Discussion of results	Other molding & melting methods for future consideration Questions & answers

Please note that the schedule is subject to refinement as the day wears on, so we have the flexibility to deliver the very best program within the time available.

KNIGHT FOUNDRY ALLIANCE P.O. Box 1873 Sutter Creek, California 95685

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