

CPMCA & SOUTHERN CALIFORNIA PIPE TRADES D.C. 16
Annual Journeymen Upgrade Training (JUT)
10-hour and 16-hour

The Master Agreement (2017-2026) for the Plumbing and Piping Industry of Southern California between California Plumbing and Mechanical Contractors Association and Southern California Pipe Trades District Council No. 16 of the United Association states 5.9.1. **Effective September 1, 2018**, all Book 1 and Book 2 Journeymen must annually complete **ten (10) hours** of approved journeymen training as a condition of new or continuing employment. **Effective September 1, 2020 the annual training requirement shall increase to sixteen (16) hours.** The Union and Contractors Association, working with the Southern Pipe Trades Apprentice and Journeymen Training Trust, shall establish approved classes, seminars, instruction and other types of training for purposes of satisfying the requirements hereunder.

Members are required to complete training based on their status September 1st of each year. For example, an Apprentice who turns out February 15, 2020 is not required to complete training by August 31, 2020, as he/she was still an Apprentice on September 1, 2019. Since he/she will be a Journey Worker as of September 1, 2020, he/she is required to complete the hours by August 31, 2021.

Members working outside of District Council 16 and return to District Council 16 on or after September 1st, will have a ninety (90) day period in which to complete their hours.

Priority Classes

Sexual Harassment Prevention	2 hours	Cal OSHA 30	30 hours
Competent Person	8 hours	A&J Journeymen classes	Length varies
First Aid/CPR	8 hours	ClickSafety – 4 approved	Length varies
Cal OSHA 10	10 hours	CPMCA classes	Length varies
Foreman Training	10 hours	Blend classes*	Length varies
High Hazard Facility Safety	20 hours		

*Blend classes will consist of a combination of classes, determined by A&J and varying by date and location.

<u>Year</u>	<u>Start Date</u>	<u>Due Date</u>	<u>Hours Required</u>	<u>Months to Complete</u>	<u>Carry Over Hours Allowed</u>
2019	Jan. 1, 2018	Aug. 31, 2019	10	20	10
2020	Sept. 1, 2019	Jan. 1, 2021	10	16	8
2021	Sept. 1, 2020	Aug. 31, 2021	16	12	8
2022	Sept. 1, 2021	Aug. 31, 2022	16	12	8
2023	Sept. 1, 2022	Aug. 31, 2023	16	12	8
2024	Sept. 1, 2023	Aug. 31, 2024	16	12	8
2025	Sept. 1, 2024	Aug. 31, 2025	16	12	8
2026	Sept. 1, 2025	Aug. 31, 2026	16	12	8

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The following courses have been approved by Labor and Management for the required annual journeymen upgrade training. *(Note: Actual course hours may vary from the approved credit hours. Course hours may be more hours than the annual required hours).*

Members must attend **all** hours of training, pass the certification test or pass any non-certification course with a 70% or better and pass the UA weld test when taking a UA weld test toward their required annual JUT hours. Members taking the same course/courses each year will not qualify for the required minimum annual training hours. The same course/courses may be retaken when a certification is due to expire within that year. Courses offered through A&J must be requested on the A&J website at www.ajtraining.org. Courses offered through CPMCA must be requested on the CPMCA website at www.cpmca.org.

Non-compliance with the MLA annual JUT requirement will result in notification sent to a member's home local and contractor/employer. Member will be removed from employment with contractor/employer and will be ineligible for Book 1 and Book 2 list.

Procedure for submitting training outside of approved course list:

- Journey Worker must submit an email to the Journeymen Upgrade Administrator (JUA) for any course not currently listed as approved training. These requests will be evaluated by the JUA to determine if the training will be accepted. Past credit will be given for any approved courses completed after the start of the current training year. Requirements include:
 - Course must pertain in some manner to the piping industry
 - Description of course/presentation material and instructor name
 - Location and dates of course
 - Legible sign-in sheet
- Non-A&J courses offered at a Local Union or Contractor's Office/Shop must be pre-approved by the JUT Committee. The JUA may need to be onsite during training to confirm training has been completed.

A&J Journeymen Courses*	
Asbestos Awareness	16 hours
Asbestos Awareness Recertification	8 hours
Backflow Prevention	48 hours
Basic Computers	32 hours
CAD I	32 hours
CAD II	32 hours
CAD III	32 hours
Cal/OSHA 10	11 hours
Cal/OSHA 30	32 hours
Clean Room/Orbital Welding	32 hours
Competent Person	8 hours
Confined Spaces	16 hours
Crane Signal Person Recertification	8 hours
First Aid/CPR	8 hours
Forklift Training	8 hours

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A&J Journeymen Courses (continued)	
Green Awareness	16 hours
Green Awareness Systems Awareness Certification	24 hours
High Hazard Facility Safety Training	20 hours
Industrial Pipefitter Refinery	24 hours
Medical Gas Installer (hours apply without Section IX Brazing Certification)	32 hours
Medical Gas Recertification	4 hours
Mine Safety & Health Administration (MSHA)	24 hours
Mine Safety & Health Administration (MSHA) Refresher	8 hours
NITC Fitter Certification	32 hours
NITC Plumber Certification	32 hours
Pipeline Safety	16 hours
Rigging Techniques	32 hours
S&R – Basic Electricity Part II	8 hours
S&R – Basic Heating (Wall & Floor, Direct Vent) Installation, TS and Repair	8 hours
S&R – Faucet & Shower Valve Installation and Repair	8 hours
S&R – Pumps Installation & Troubleshooting	8 hours
S&R – Residential Tank Water Heaters	8 hours
S&R – Sewer Machines, Cameras & Line Locations	8 hours
S&R – Takagi Tankless Water Heater Training & Basic Electricity Part I	8 hours
S&R – Tankless Water Heater Installation & Repair	8 hours
S&R – Toilets	8 hours
S&R – Water Heater Repair	8 hours
Trimble & Sokkia Robotic Total Training Station	24 hours
Tube Bending	16 hours
UA Rigging Recertification	4 hours
Valves Certification Refresher	8 hours

ClickSafety Courses*	
Cal/OSHA 10-hour Construction Safety Course	10 hours
OSHA 30-hour Construction Safety Course	30 hours
Sexual Harassment Prevention	3 hours
Silica Exposure in Construction R2	1 hour

CPMCA Courses

CPMCA courses change every 6 months. All CPMCA courses listed qualify for Journeyman Upgrade Training hours. If you would like to register for a CPMCA class, please contact your employer.

Computer Skills & Technology	
Bluebeam	8 hours
MS Excel – Parts 1, 2 and 3	8 hours each
MS Project – Parts 1 and 2	8 hours each

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Foreman	
A Foreman's Guide to Developing Your Workforce – Parts I and II	8 hours each
How to Be an Effective Foreman	8 hours
Six Habits of the Highly Effective Foreman	8 hours
Management	
California Construction Law Essentials	4 hours
Employment Law Update & New CA Laws that Impact the Employer	4 hours
People Management/Skills	
Best Kept Secrets of Successfully Managing Employees	8 hours
Dealing with Difficult People in Construction	8 hours
Developing Your Emotional Intelligence	8 hours
It's About TIME	8 hours
Mastering the 8 Tenets of Values-Based	6 hours
Speak to Persuade	8 hours
Project Management	
Maximizing Productivity Utilizing a Best-In-Class Prefab System	6 hours
Project Engineering Basics in Construction Project Manager/Foreman Training Series	6 hours
Project Managers Impact on Financial Outcomes	6 hours
Project Manager/Foreman Training Series	
Project Manager/Foreman Training Series 1 & 2, 3 & 4 and 5 & 6 <i>(Offered as five (5) 2-day classes)</i>	12 hours per 2 days
Sales/Service/Safety	
First Aid/Adult & Infant CPR	8 hours
Sexual Harassment Prevention Training	8 hours

UA Weld Tests

Only successful completion of a weld test qualifies for the JUT mandate. Hours vary from per test. Gate tests do not qualify for JUT hours. Continuities qualify for 50% of the maximum hours listed for each UA test and only if tested at an A&J Training Center. Continuity for the same UA weld test will not qualify over multiple years. Please click [here](#) for UA weld test information.

For more information or clarification, please contact the A & J Office at (310) 604-0892 or by email at JUT@ajtraining.org.

*Policies, regulations, procedures, and fees are subject to change without prior notice.

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UA Weld Tests

Qualify for the maximum number of hours as indicated on the weld test specification page for each test. Continuities may qualify for 50% or maximum time to complete.
 Only successful completion of the weld test qualifies for JUT mandate.

Weld Test	Process	Pipe Coupon Size	Wall Thickness	Filler Metals	Special Notes	Max Time to Complete
SS-1	Solder	1-1/2" Tube	-	ASTM B32 Solder	Solder Test	1 hour
UA-R1	GTAW	2" Sch. 80	.218"	ER309	Requalification	2 hours
UA-R2	SMAW	6" Sch. 80	.432"	E6010 / E7018	Requalification	3 hours
UA-R3	GTAW	2" Sch. 80	.218"	ER70S-6	Requalification	2 hours
UA-1	SMAW	6" Sch. 40	.280"	E6010	Downhill Weld	2 hours
UA-2	SMAW	6" Sch. 40	.280"	E6010 / E7018	-	2 hours
UA-3A	GTAW & SMAW	6" XXS	.864"	ER80S-B6 / E8018-B6	5% Chrome Test	6 hours
UA-5	GTAW & SMAW	6" Sch. 40	.280"	ER70S-2 / E7018	-	2 hours
UA-6	GTAW & SMAW	2" XXS	.436"	ER70S-2 / E7018 / E309	-	6 hours
UA-8	SMAW	2" Sch. 80	.218"	E6010 / E7018	-	3 hours
UA-9T	GTAW & SMAW	6" XXS	.864"	ER70S-2 / E7018	-	6 hours
UA-10	GTAW & SMAW	2" Sch. 80	.218"	ER70S-2 / E7018	-	3 hours
UA-11	GTAW & SMAW	6" Sch. 80	.432"	ER70S-2 / E7018	-	4 hours
UA-12	GMAW-S	6" XXS	.864"	ER70S-6	-	5 hours
UA-12W	GMAW-S	6" Sch. 80	.432"	ER70S-3 or 6	-	4 hours
UA-13	GTAW	3/8" Sch. 10	.065"	-	Manual Fusion	2 hours
UA-14	GTAW	2" Sch. 10	.109"	-	Manual Fusion	2 hours
UA-15	GTAW	2" Sch. 80	.218"	ER70S-2	-	2 hours
UA-16	GTAW	1/2" Sch. 80	.147"	ER70S-2	Very small diameter	3 hours
UA-17	GMAW & FCAW	6" XXS	.864"	ER70S-6 / E71-T1	-	5 hours
UA-17W	GMAW & FCAW	6" Sch. 80	.432"	ER70S-6 / E71-T1	-	4 hours
UA-18	SMAW	2" Sch. 160	.344"	E7018	-	4 hours
UA-18A	GTAW	0.75" O.D.	.065"	-	Automatic Orbital Weld	3 hours
UA-19	SMAW	2" Sch. 160	.344"	E6010 / E7018	-	4 hours
UA-20	FCAW	6" Sch. 80	.432"	E71-T1	Using Backing Ring	3 hours
UA-21	SMAW	2" XXS	.436"	E6010 / E7018	-	3 hours
UA-22	GTAW & SMAW	2" XXS	.436"	ER70S-2 / E7018	-	3 hours
UA-23	SMAW	6" XXS	.864"	E6010 / E7018	-	6 hours
UA-24	SMAW	6" Sch. 120	.562"	E6010 / E7018	-	5 hours
UA-25	GTAW	2" XXS	.436"	ER70S-2	-	5 hours
UA-26	GTAW & SMAW	2" Sch. 160	.344"	ER70S-2 or 3 / E7018	-	3 hours
UA-27	GMAW	6" Sch. 80	.432"	ER70S-6	Root-down / Balance-up	4 hours
UA-28	SMAW	6" Sch. 80	.432"	E6010 / E7018	-	4 hours

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Weld Test	Process	Pipe Coupon Size	Wall Thickness	Filler Metals	Special Notes	Max Time to Complete
UA-29	SMAW	6" Sch. 80	.432"	E6010 / E7018	Restrained Access Test	4 hours
UA-30	GMAW & FCAW	6" Sch. 80	.432"	ER70S-6 – E71-T1	IG Rolled Test	2 hours
UA-31B	GTAW	6" Sch. 40	.280"	ER5356	Aluminum Test – chill ring	3 hours
UA-31J	GTAW	6" Sch. 40	.280"	ER5356	Aluminum Test – J bevel	3 hours
UA-32	SMAW	6" Sch. 80	.432"	E6010	-	4 hours
UA-33	GTAW	2" Sch. 40	.154"	ER NiCrMo-10	Nickel Alloy	3 hours
UA-34	GTAW	2" Sch. 10	.109"	ER NiCrMo-10	Nickel Alloy	3 hours
UA-35	GTAW	2" Sch. 80	.218"	ER NiCrMo-10	Nickel Alloy	3 hours
UA-36	GMAW & FCAW	2-3/4" O.D.	.625"	ER70S-6 / E71-T1	-	3 hours
UA-37	GTAW	6" Sch. 120	.562"	ER70S-6	Machine Weld	5 hours
UA-38	GTAW	2" Sch. 5	.065"	-	Manual Fusion	2 hours
UA-39	GMAW	6" Sch. 80	.432"	ER308Si	IG Rolled Test	4 hours
UA-41	GTAW	2" Sch. 80	.218"	ER309	Stainless Test	3 hours
UA-42	GTAW & SMAW	2" XXS	.436"	ER309 / E30-16	Stainless Test	4 hours
UA-43	GTAW & SMAW	6" XXS	.864"	ER309 / E30-16	Stainless Test	6 hours
UA-44	GTAW	10" Sch. 100	.719"	ER309	Narrow Groove	7 hours
UA-45	GTAW	2" Sch. 10	.109"	ER308	Stainless Test	3 hours
UA-46	SMAW	2" Sch. 160	.344"	E309-17 or 16	Stainless Test	4 hours
UA-47	GTAW	6" Sch. 80	.432"	ER70S-6	Machine Weld	5 hours
UA-48	GTAW	10" Sch. 100	.719"	ER309	Remote video control	6 hours
UA-49	GTAW	6" Sch. 80	.432"	ER70S-2 & ER70S-6	Manual & Machine Weld	6 hours
UA-50	Brazing	¾" Tube	.045"	BCup 2 thru 7	Manual Torch	2 hours
UA-51	Brazing	1-1/2" Tube	.060"	BCup 2 thru 7	Manual Torch	2 hours
UA-52	Brazing	1-1/2" Tube	.060"	BCup 2 thru 7	Brazer Qual Renewal Test	1 hour
UA-60	SMAW	2-3/4" O.D.	.625"	E6010 / E7018	-	5 hours
UA-61	GTAW & SMAW	2-3/4" O.D.	.625"	ER309 / E309-16	Stainless Test	5 hours
UA-62	GTAW & SMAW	2-3/4" O.D.	.625"	ER70S-2 / E309-16	-	5 hours
UA-63	GTAW & SMAW	2-3/4" O.D.	.625"	ER70S-2 / E7018	-	5 hours
UA-64	SMAW	2-3/4" O.D.	.625"	E7018	-	5 hours
UA-66	GTAW	2-3/4" O.D.	.625"	ER NiCr-3	Nickel Alloy	5 hours
UA-67	GTAW	2-3/4" O.D.	.625"	ER70S-2	-	5 hours
UA-68	SMAW	2-3/4" O.D.	.625"	E6010 / E7018	Root-down / Balance-up	5 hours
UA-69	GTAW & SMAW	2-3/4" O.D.	.625"	ER70S-2 – E7018	-	4 hours
UA-70	SMAW	2" pipe & 3/16" plate	.154"	E7018	Structural Steel Fillet Weld	2 hours

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UA Weld Tests (continued)						
Weld Test	Process	Pipe Coupon Size	Wall Thickness	Filler Metals	Special Notes	Max Time to Complete
UA-71	GMAW	6" Sch. 80	.432"	ER70S-3 or 6	Short Arc Room/Spray or Pulse Fill	4 hours
UA-72	GMAW	6" Sch. 80	.432"	ER70S-2 or 3	IG Rolled Test	3 hours
UA-73	SMAW	6" Sch. 80	.432"	E6010 / E7018	Flip Flop Test (2G & 5G)	4 hours
UA-74	GTAW	6" Sch. 10	.134"	ER308L or ER316L	Stainless Orb. Machine Weld	5 hours
UA-75	GTAW	6" Sch. 10	.134"	ER308L or ER316L	Stainless Orb. Machine Weld	5 hours
UA-76	SMAW	2" XXS	.436"	E6010 / E7018	Two Coupons (2G & 5G)	4 hours
UA-77	GTAW & SMAW	10" Sch. 160	1.125"	ER70S-2 / E7018	LU responsible for coupon cost	8 hours
UA-78	GTAW & SMAW	2-3/4" O.D.	.625"	ERNiCr-3 / ENiCr-3	Nickel Alloy	4 hours
UA-79	GMAW	6" Sch. 80	.432"	ER70S-3 or 6	90% Argon / 10% CO2	3 hours
UA-80	GTAW	6" Sch. 80	.432"	ER70S-6 or ER309	"Tip-Tig" Hot Wire Process	3 hours
UA-81	SMAW	2" XXS	.436"	E7010-A1 / E7018-A1	-	3 hours
UA-85	GMAW	2-3/4" O.D.	.625"	ER70S-6	90% Argon / 10% CO2	4 hours
UA-86	GTAW & FCAW	6" Sch. 80	.432"	ER70S-2 or E71T-1	IG Rolled Test	2 hours
UA-87	SMAW	6" Sch. 80	.280"	E6010 / E7018	Two Coupons (2G & 5G)	4 hours
UA-91	GTAW & SMAW	2" XXS	.436"	ER90S-B9 / E9018-B9	9% Chrome Test	5 hours
UA-92	GTAW	2" Sch. 40	.154"	ERTi-2	LU responsible for coupon cost	3 hours
UA-93	GTAW	4" Sch. 5	.083"	-	Manual Fusion	2 hours
UA-94	GTAW & SMAW	2-3/4" O.D.	.625"	ER70S-2 / E7018	Restricted Access Test	5 hours
UA-99	SMAW	6" Sch. 80	.432"	E6010 / E7018	Two Coupons (2G & 5G)	4 hours
UA-100	SMAW	4" Sch. 80	.337"	E6010 / E7018	2G Only Test	4 hours
UA-101	GMAW & FCAW	6" XXS	.864"	ER70S-6 / E71T-1	Flip-Flop Test (2G & 5G)	5 hours
UA-102	GMAW & FCAW	8" Sch. 40	.322"	ER308LSi / E308LT1	Flip-Flop Test (2G & 5G)	3 hours
UA-103	GMAW & FCAW	6" Sch. 80	.432"	ER70S-6 / E71T-1	Two Coupons (2G & 5G)	3 hours

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UA Weld Tests (continued)						
Weld Test	Process	Pipe Coupon Size	Wall Thickness	Filler Metals	Special Notes	Max Time to Complete
NITC BTS34	3/4" Copper Brazing Certification	3/4" Tube	.045"	BCup 2 thru 7	Manual Torch	2 hours
NITC BTS15	1 1/2" Copper Brazing Certification	1-1/2" Tube	.060"	BCup 2 thru 7	Manual Torch	2 hours
NITC BTS2	2" Copper Brazing Certification	2"	.070"	BCup 2 thru 7	Manual Torch	2.5 hours
NITC BTS4	4" Copper Brazing Certification	4"	.110"	BCup 2 thru 7	Manual Torch	5 hours
NITC BTS6	6" Copper Brazing Certification (big bore)	6"	.140"	BCup 2 thru 7	Manual Torch	5 hours
NITC BTS8	8" Copper Brazing Certification (big bore)	8"	.200"	BCup 2 thru 7	Manual Torch	6 hours
NITC BTS4SEXT	Modified Cup Depth Copper Brazing	2" - 6"	.110"	BCup 2 thru 7	Manual Torch	2.5 hours
NITC BTS6SEXT	Modified Cup Depth Copper Brazing	2 1/2" - 8"	.140"	BCup 2 thru 7	Manual Torch	5 hours
	ASME B31.3 2010 Plastic Bonder Certification					12 hours
	ASME B31.3 2012 Plastic Bonder Certification					12 hours