

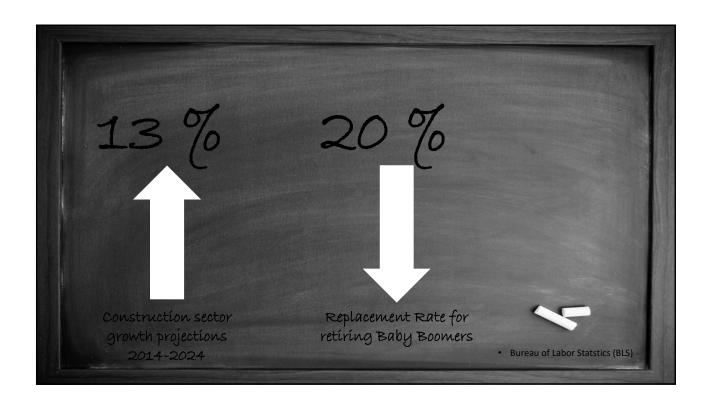
## Wkh#qlyhuvlw|#ri#oul}rqd

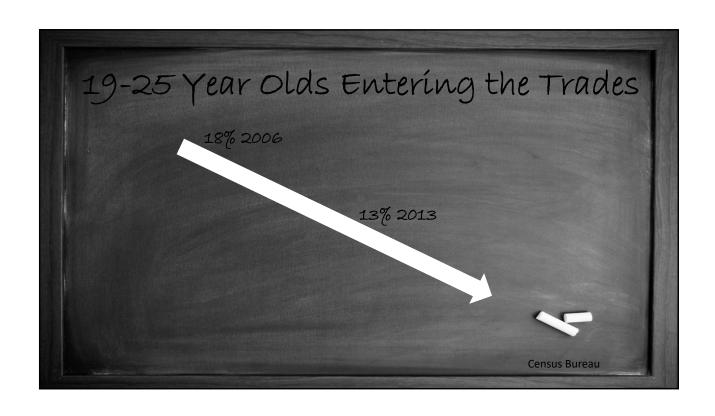
- 2013 Class
  - 4 Plumbers
  - 4 Electricians
  - 4 HVAC
  - 4 Years
- 2017 Class
  - 2 Electricians
  - 3 HVAC Mechanical
  - 2 HVAC Controls
  - 3 Stationary Engineer, Seniors

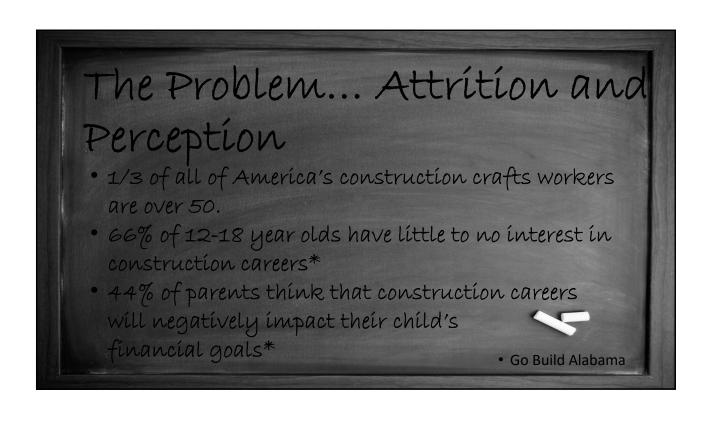


















# Ehqhilwv#ri#1q# Dssuhqwlfhvkls#Surjudp

## Iru#psor|hhv

- Opens minds and doors to high-demand careers
- Invaluable on the job training with experienced professionals
- Earn a salary while learning
- In some instances, schooling at greatly reduced tuition



#### Iru#psor|huv

- Address critical workforce shortages
- Custom trained workforce
- Transfer knowledge from one generation to the next
- Achieve bottom line benefits:
  - Higher employee engagement
  - Better recruitment
  - Stronger retention





#### **Succession Planning**

Identify the need

Articulate the problem and the solution

**Key milestones** 

Make alliances

Project planning - Roadmap for success

**Implement** 





- Turnover rates
- Estimated retirements
- Growth areas
- Length of time to train



	Current ## FTE	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Retirement Potential
Electric	28	4		2	0	1	1	1	0	1	1	13
Plumbing	22	2		0	1	0	0	1	1	0	2	
HVAC Refrigeratio	18	3	0	1	1	1	0	0	0	1	0	7
BAS/Controls	16	1	1	0	1	0	0	0	0	2	0	5
Plants	22	1	2	0	1	4	0	3	0	0	2	13
Sheet Metal	20	2	1	1	0	0	1	0	1	0	2	8
Paint	23	7	1	0	1	1	1	1	0	1	2	15
Carpentry	26	9	0	2	0	1	1	1	1	0	0	15
Masons	8	1	0	1	1	2	0	0	1	1	0	7
						·				·		
	Current FTE	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Total Percentage
Electric	28	14%	7%	7%	0%	4%	4%	4%	0%	4%	4%	4
Plumbing	22	9%	0%	0%	5%	0%	0%	5%	5%	0%	9%	33
HVAC Refrigeration	18	17%	0%	6%	6%	6%	0%	0%	0%	6%	0%	3:
BAS/Controls	16	6%	6%	0%	6%	0%	0%	0%	0%	13%	0%	3:
Plants	22	5%	9%	0%	5%	18%	0%	14%	0%	0%	9%	59
Sheet Metal	20	10%	5%	5%	0%	0%	5%	0%	5%	0%	10%	41
Paint	23	30%	4%	0%	4%	4%	4%	4%	0%	4%	9%	6
Carpentry	26	35%	0%	8%	0%	4%	4%	4%	4%	0%	0%	5
Masons	8	13%	0%	13%	13%	25%	0%	0%	13%	13%	0%	8
	Current FTE	2017		2019	2020	2021	2022	2023		2025	2026	4
Electric	28	24		20	20	19	18	17		16	15	4
Plumbing	22	20		20	19	19	19	18		17	15	4
HVAC Refrigeration		15		14	13	12	12	12		11	11	
BAS/Controls	16	15		14	13	13	13	13		11	11	
Plants	22	21		19	18	14	14	11	11	11	9	4
Sheet Metal	20	18		16	16	16	15	15		14	12	4
Paint	23	16		15	14	13	12	11		10	8	4
Carpentry	26	17	17	15	15	14	13	12	11	11	11	
		7	7	6	5	3	3	3	2		1	1



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\overline{\pi_3}\tag{\tau_1\text{the University}}
THE UNIVERSITY OF ARIZONA.
Facilities Management
APPRENTICE PROGRAM PLAN
Table of Contents Business Need2
Apprentice Program Initial Plan Summary
Apprentice Program Details
State and Federal Requirements
Standards of Apprenticeship
Affirmative Action Plan
Apprenticeship Agreement
Job Description
Compensation
Funding

## Nh | #Plohvwrqhv

- State and Federal Requirements
  - Standards of Apprentice Department of Labor Registered Apprenticeship Program
- Institution Requirements
  - Job Descriptions
  - Compensation
- Funding
- Education
  - NCCER



## Pdnh#Dooldqfhv

- Apprenticeship Committee
- Funding Source
- Human Resources
- Office of Institutional Equity
- Office of the General Counsel
- Department of Labor
- Local Apprenticeship Programs
- High School Trades Programs
- Job Relocation Services
- Military





### Urdgpds

- Budget
- Document Development
  - Standards of Apprenticeship
  - Affirmative Action Statement
  - Job Descriptions
  - Work Process Schedule
  - University policy/procedure modifications if needed
- Committee
- Training Plan
- Mentors





## Urdgpds

- Communication
  - Website (FM and HR)
  - Internal to FM
  - Campus Communication
  - Local Community
- Selection
  - Define Process
  - Aptitude Testing
- Record Keeping



	Apprenticeship Program Sample Checklist	
Set your	deadlines - Absolute Dates	
	Institutional documentation (job descriptions, pay grades, job postings, hiring matrixes, etc) finalized	
	All DOL program documentation drafted, approved and submitted	
2802803280430	Communication plan reviewed, approved, rolled out	
	Apprentice programs posted and advertised	
	Selection process conducted	
	All offers out for apprentices	
	Apprentices register for coursework	
	s - Identify campus and community members that will be part of your program and ication strategy	
	Apprenticeship committee	
	Funding source	
	Human Resources	
	Office of Institutional Equity	
	Office of the General Counsel	
	Office of the General Counsel Department of Labor	
	Department of Labor	
	Department of Labor Local Apprenticeship Programs	

Apprenticeship Program Sample Checklist
Create and Route Program Plan
Succinct, easy to read case that illustrates the problem and the proposed solution
Route draft plan to supporters, contributors, and funding sources
Budget
Estimate costs and identify funding options
Apprenticeship Documentation
Plan to review all official documentation with legal and main HR
Job Descriptions
Does the apprenticeship program fit into an existing employment classification, o
does a new one need to be created?
Apprenticeship Standards - finalize
Apprenticeship Standards - who will sign in agreement for the institution
Create and finalize Work Process Schedule for each apprenticeship trade (needs to be approved by apprenticeship committee and mentors)
Draft summary of compensation plans and recommendations for Main HR approva
Draft offer letters (these will likely differ from template letters available through
HR.) Review with HR and legal
Work with HR to format job descriptions, get job codes set up, and place new job
title in HRIS for recruiting purposes
Create job posting
Time cards, performance assessments, and schedule for tracking and retention



	Apprenticeship Program Sample Checklist
Ec	ducational Course Work
	Determine who will offer educational component (vendor, local college, owr
	If creating internal training program
	Who are the instructors
	What, if any, are FERPA requirements
	Who will track time in class and grades
	What is the certification process for instructors
	How will you compensate instructor time
	Classroom and technology location determined
	How do you create/purchase course materials
	If through a vendor or college
	Who will track time in class and grades
	What, if any, are FERPA requirements
	How will courses be paid for
	What is the course schedule
	What is the registration process
	Are there pre-requisites
	What are the instructors like
	Does the curriculum work or does it need to be supplemented
	Is the course work in class or online



	Apprenticeship Program Sample Checklist
	Communication Plan
	Determine internal communication plan
	Develop FAQ
	Educate Leadership Team - What do we want our leaders to know about the
	apprentice program and what information can they have to share with their
	Develop the presentation for entire department - General Overview
	Create article for newsletter to all of FM or an email from AVP to all
	Develop training plan for interested internal candidates to educate on plan,
	expectations, requirements, and review FAQs
	Internal to Institution
	Campus newspaper article
	Host an open house/information night for interested University applicants or
	interested family members of University applicants
	Communication to Stakeholders (Alliances)
	Start sending planned updates with good information on program progress
	Host an open house/information night for local HS trades teachers
	Main HR - Communication for Applicants - Provide them with FAQs, FMHR call
_	line for applicants with questions, and overall summary of selection process
	Advertising Plan
	FM Website (see example: http://www.fm.arizona.edu/fm-emp-
	resources/ApprenticeshipProgram.html)
	Main HR
	Newspapers and Job Boards



	Apprenticeship Program Sample Checklist
	Develop an Apprenticeship Committee
	Who will be on committee
	How often will the committee meet
	What responsibilities will the committee have
	Identify Program Coordinator
	dentify Internal Mentors
	Who will you pair the apprentices with? (Ensure good attitude, training for the
	culture you want)
	Identify training needed and provide for mentors
ı	Finalize Selection Process and Criteria
	Create interview plan timeline
	Will you do an assessment test?
	Create matrix
	Determine who is on the selection committee
	Determine what level involvement management would like in selection process
	Determine the interview process
	Prepare interview questions
	Are there questions that can be asked on the application to help in the selection?
	Require a letter of recommendation into program



	Apprenticeship Program Sample Checklist					
Implementation						
	Regular communication with apprentices and mentors					
	Ensure open communication					
	Regular evaluation of apprentices success					
	Communicate back to "Alliances" on apprentices success					
	Ensure tasks are aligning with plan and deadlines for completion are being upheld					



### Iroorz OXs

- Regularly Check in
- Invest in Retention
- Open Communication
- Report on Success
  - Apprentices
  - Departmental
  - Alliances
  - Community





