Existing Nuclear Workforce Development Assets in Texas

An evergreen catalog supporting UT Austin's Sept 2025 workshop

Summarized by UT Austin in collaboration with partners from industry & academia

SEPTEMBER 2025

The University of Texas at Austin
Cockrell School of Engineering

GETTING STARTED

While this report looks dense, we recommend approaching it the following way to optimize your time and enhance your deliverables for the Texas Nuclear Workforce Development Workshop on September 17, 2025:

- **Start with the front sections not the assets tables.** Use the timeline and ecosystem maps to identify additional demand drivers and when they'll need talent. Jot down revisions or gaps you notice and send them to the workshop team in advance if you've got the time.
- **Make a list of the roles your projects and Texas will need by location and phase.** If possible, reach out to your company's people leaders and request workforce planning materials/ forecasts to help guide this exercise. The more specific we get during the workshop, the higher quality the output.
- **Use the *tables like a catalog, not a novel*** to identify any programs/ existing workforce development assets in Texas you think are relevant to building the capacity you've previous identified. If needed, print it out and take a highlighter to programs you believe are most promising, scalable, or you'd like more information on. Send the workshop team any additional programs not identified.

CONTENTS

Call-to-action: Please email Danielle Zigon, daniellezigon@austin.utexas.edu with relevant Texas nuclear workforce development resources, nuclear project demand not captured in this document, or revisions.

Powering Texas advanced nuclear leadership through its workforce

PROBLEM STATEMENT

Texas has the projects, the policy momentum, and the appetite to lead in advanced nuclear, but progress will stall without the people to design, build and run these facilities. Today, Texas's nuclear workforce pipeline is fragmented, undersized, and misaligned with project timelines. Without targeted action, Texas risks project delays, regulatory bottlenecks, and missed industrial and economic growth opportunities. A unified approach is needed to link workforce assets to deployment phases and ensure Texas converts policy momentum into durable sector leadership. The Texas Advanced Nuclear Working Group report and SB1535 underscored the need for a coordinated talent strategy.

GOALS AND OBJECTIVES FOR THIS DOCUMENT

This read-ahead resource is not exhaustive or static—it is a directional input to inform targeted discussions and prioritize actionable next steps. Any missing programs or updates can be emailed to Dani Zigon at daniellezigon@austin.utexas.edu.

This document is intended to support the September 2025 Texas Nuclear Workforce Development Workshop by:

» Providing a **centralized, evergreen baseline** of existing nuclear workforce development assets across Texas

» Building informal agreement on the demand drivers

» Acting as a **descriptive reference not prescribing solutions**; that is what the workshop should accomplish

» Identifying early signs of capacity gaps in high-risk segments

» Driving agreement on areas for near-term state, federal, and private-sector coordination to avoid workforce mismatches and deployment delays

METHODOLOGY

In June 2025, UT Austin circulated a Qualtrics survey to industry, universities, community colleges, trades programs, NGOs, and state and federal partners. The responses map out existing workforce assets and expose gaps across the training pipeline.

Findings were consolidated into this "living reference" for the September 2025 workshop. As new responses and resources emerge, the document will be updated—reflecting a continually evolving workforce picture. For a full list of survey participants or additional details, contact UT Austin.

Summary of key findings from the pre-workshop survey

TX NUCLEAR WORKFORCE ECOSYSTEM GAPS

Texas's nuclear workforce shows strong assets across universities, community colleges, and industry-led training, but several structural weaknesses undermine readiness for advanced nuclear deployment:

- **Fragmentation and Coordination Gaps** – No central hub links education, industry, and policy. Programs operate in silos, leaving no unified pathway or portable credentialing system.
- **Technician and Apprenticeship Shortfalls** – Community colleges offer strong general programs, but few nuclear-specific pipelines exist. Apprenticeships are scattered, and dormant programs remain untapped.
- **Midcareer and Professional Bottlenecks** – Graduate programs remain small; midcareer engineers are hard to recruit against competition from semiconductors and aerospace. Alumni networks and cross-state licensing are underutilized.
- **Health Physics Gaps** – Only one university that responded to the survey offers a Health Physics degree; community-level radiation protection programs are inactive or undersized.
- **Hands-On Operational Training Limits** – Student operator pipelines are rare; simulator and SRO training infrastructure is thin outside of specific plant sites.
- **Retention and Distribution Challenges** – Existing plants compete with new builds for limited talent. Rural sites face extra hurdles in attracting and keeping skilled workers.
- **Narrow Industry Credentialing** – Company-run training is strong but redundant and non-portable, with little state-level standardization.
- **Weak K–12 Pipeline** – Nuclear is nearly invisible in statewide K–12 STEM outreach, with TAMU's ReCENT program as the lone standout.
- **Cross-Sector and Veteran Pathways** – Few structured on-ramps exist for veterans or workers from oil & gas, aerospace, and defense, limiting mobility into nuclear roles.

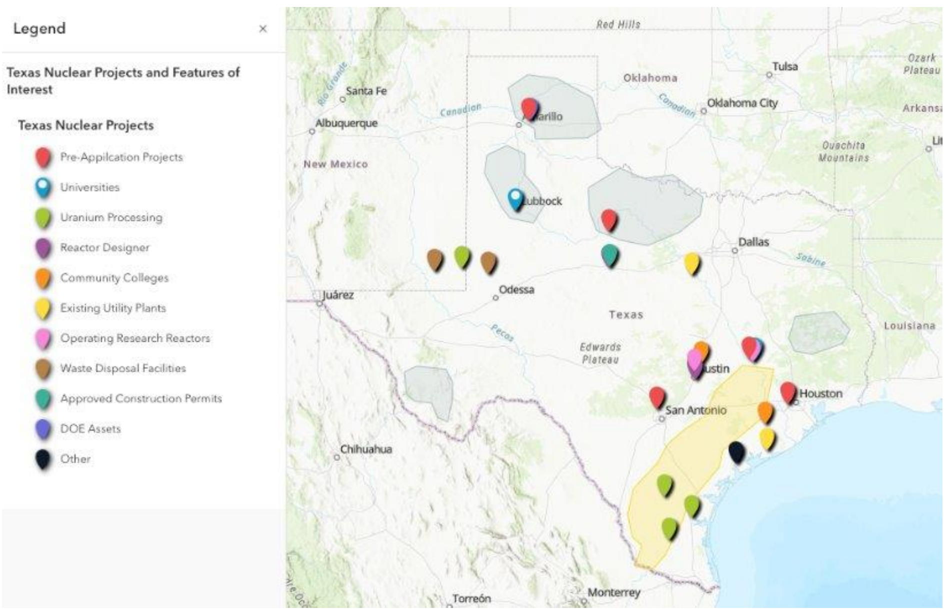
These systemic weaknesses—coordination, technician/apprentice pipelines, midcareer recruitment, cross-sector mobility, and practical training—pose the greatest risks to meeting Texas's anticipated nuclear workforce demand on schedule and at scale based on pre-workshop survey responses.

WORKFORCE DEVELOPMENT LANDSCAPE SUMMARY

SEGMENT	TEXAS TODAY	GAPS	SURVEY IDENTIFIED OPPORTUNITIES
PreK-12	» Limited nuclear content in statewide STEM initiatives. TAMU's ReCENT program is the main exception.	» Fragmented outreach, no sustained K–12 pipeline, nuclear invisible compared to space/semiconductors.	» Expand ReCENT-like programming statewide » Embed nuclear in STEM competitions and curricula » Develop nuclear focused clusters
Community College and Technical Training	» Strong infrastructure for rapid upskilling (TRUE initiative, apprenticeships). » WCJC hosts a recognized Nuclear Power Technology program.	» Few nuclear-specific programs; dormant tracks (e.g., TSTC Radiation Protection) remain inactive » Apprenticeships not scaled statewide.	» Revive dormant programs » Embed nuclear content in existing I&C, welding, machining, and plant ops programs » Standardize credentials
University-Level Programs	» UT, TAMU, ACU, TTU, UTSA, TSU provide nuclear or nuclear-adjacent degrees. » Active research reactors at UT and TAMU.	» Programs small relative to demand; limited faculty capacity » Few Health Physics majors » Minimal interdisciplinary law/policy/business integration	» Expand faculty lines and enrollments » Revive Health Physics as a major » Develop interdisciplinary programs » Grow student operator licensing pipeline
Industry and Professional Training	» Company-specific programs (STP, Vistra, Urenco, Zachry, Day & Zimmerman) provide apprenticeships, leadership training, and certification.	» Training is siloed, redundant, and not portable across employers » Narrow focus on immediate plant needs vs. statewide ecosystem	» Create state-level credentialing framework » Expand shared training facilities » Build portability across industry programs
Midcareer / Cross-Sector Talent	» Texas has a large skilled workforce in energy, aerospace, and defense.	» Few on-ramps into nuclear » Veteran transition programs absent » Attrition risk from workforce retirements	» Develop fast-track transition programs » Grant credit for prior learning/skills » Build veteran-focused pipelines with structured MOS equivalencies for nuclear roles

Texas Nuclear Ecosystem – Announced Demand Drivers

At the time of this survey and workshop, Texas has two operating commercial nuclear facilities, three operating research reactors, and only one new nuclear facility build that will have a research reactor installed, Natura Resources LLC’s molten salt research reactor at Abilene Christian University. The following projects have been announced and are at various stages of regulatory engagement with the NRC. These projects represent the directional industry need, not Texas’s ultimate need.



Announced Nuclear Projects Demand Drivers in Texas as of Aug 2025

Texas’s advanced nuclear workforce needs will be determing by project deployment timing:

- Siting/ Pre-Construction/ Licensing: 2025-2027
- Construction/ Commissioning: 2028-2035
- New Operations: 2033+

PROJECT	REACTOR TYPE	STATE OF REGULATORY ENGAGEMENT WITH NRC
EXISTING FACILITIES		
South Texas Project	Utility, PWR – 2 units (space on-site for 2 additional units)	Licensed, Operating
Comanche Peak	Utility, PWR – 2 units (space on-site for 2 additional units)	Licensed, Operating
University of Texas at Austin NETL	Research Reactor – 1.1 MW TRIGA	Licensed, Operating
Texas A&M Nuclear Engineering & Science Center	Research Reactor – 1 MW TRIGA Research Reactor – 5 W - AGN-201M	Licensed, Operating

PROPOSED FACILITIES

Natura Resources at ACU	MSR-1 Research Reactor – Molten Salt	Approved Construction Permit
Long Mott Energy- Dow/ X-Energy Seadrift	XE-100 Industrial SMR, HTGR	Construction Permit Accepted
A&M Rellis Campus	Commercial Power – SMR campus (reactors TBD)	Pre-application, anticipated ESP Q4 2025
Fermi/ Texas Tech	AP1000 - Commercial Power – Large LWR	Pre-application
Last Energy Haskell County	20 MWe- Commercial power – Microreactor PWR with 30 units	Pre-application
Joint Base San Antonio	Military application nominated as a pilot location through POTUS EO 14299	Exploratory Phase

OTHER HARD NUCLEAR ASSETS

Aalo Atomics	Aalo-1 – Commercial power – microreactor	Pre-application
CurtissWright Round Rock	Nuclear supplier – measurement and control	N/A
REPLOY Power	Underwater SMR – Commercial power	Pre-application
Shepherd Power	Microreactor deployment as a service	Regulatory Engagement
EnCore Energy Uranium Facilities	Existing Uranium mines and processing facilities in SoTX	Licensed by the State of Texas through agreement with NRC
Paragon Energy Solutions	Nuclear supplier, headquarters in Dallas, TX	N/A
PanTex Plant	DOE nuclear stockpile maintenance and support in Amarillo, TX	N/A
Waste Control Specialists	One of four national Low-Level Waste Disposal facilities in the US in Andrews, CO	Licensed, Operating

Segmenting the demand

Segmenting workforce demand is how we make nuclear expansion executable, not just aspirational. **Below is a segmentation framework to kick off this exercise that is open to discussion and revision at the workshop.** Framing the problem is crucial because: different roles have different pipelines, workforce timing matters, some policy and funding levers are role-specific, retention and mobility can differ by segment, and poorly segmented demand means blind spots that hamstring Critical Path.

» **Geography:** Texas – option to tunnel down to regional approaches based on demand profiles

» **Reactor Type:** Microreactor, Small Modular Reactor, Large LWR New Build, Existing Fleet

» **Lifecycle Phase:** R&D, Siting, Pre-construction, Licensing, Construction/ Supply Chain, Commissioning, Operations, Maintenance/ Life Extensions

» **Time Horizon:** Immediate <3 years, Medium term 5-7 years, Long term 7+ years

» **Skills:** Licensed/ certified, professional degree required, skilled trades, specialized technical + future proofing*

- Licensed/Certified: Reactor Operators (NRC-licensed), Senior Reactor Operators, Radiation Safety Officers
- Professional Degree Required: Nuclear, mechanical, electrical engineers; policy/finance experts
- Skilled Trades: welders, pipefitters, machinists, electricians, carpenters
- Specialized Technical: cybersecurity, digital controls, advanced manufacturing, robotics for inspection/maintenance
- *Future Proofing – includes specialized roles not currently built into SOP's but important to the future viability of the industry such as specialized AI roles, digital twins, etc.

Existing Nuclear Workforce Development Ecosystem and Assets in Texas

UNIVERSITY PROGRAMS

UNIVERSITY	DEGREES/ CREDENTIALS OFFERED	INTERNAL TRAINING RESOURCES	EXPERIENTIAL LEARNING AND OUTREACH PROGRAMS	SURVEY IDENTIFIED OPPORTUNITIES
The University of Texas at Austin	» Undergrad Minor* in Nuclear Engineering, BS, MS, PhD Mechanical Engineering (Nuclear focus) » BS Physics – Radiation degree » Online Masters, PhD » *Law, business, policy, engineering* *approval pending	» Internships, Research Assistantships, Postdoctoral opportunities » Nuclear and Applied Robotics for applications in hazardous environments » Student training reactor operator program with research reactor	» Introduce a Girl to Engineering Day – UT sponsored event that UT ANS participates in annually – K-12 focused » *In Revival/ Development* Study abroad for undergrad classes » UT ANS outreach with various AISD schools	» Significant workforce development efforts for the Semiconductor industry through TIE could possibly be expanded to include crossover adult education nuclear programs
Texas A&M (TAMU)	» Minor, BS, MS, PhD Nuclear Engineering » Online Masters, PhD Nuclear Engineering » Graduate Certificate in Nuclear Security » Minor in Radiation Health Engineering » *Law, business, policy, engineering*	» Internships, Research Assistantships, Postdoctoral opportunities » Neutronics, transport, CFD, and TH codes and frameworks » *In Development* Nuclear Reactor Operator's License training class	» ReCENT K-12 nuclear education programming and curriculum (funded) » ReCENT Nuclear Technologies Educator Workshop » *In development* ReCENT adult education/ PD component with TEES Edge » CENTAUR Neutron Detector Summer School » Study abroad tours of nuclear facilities	» Spin back up the pre-existing Health Physics Major » Reassemble AGN-201M and relicense as a training reactor

UNIVERSITY PROGRAMS (CONTINUED)

UNIVERSITY	DEGREES/ CREDENTIALS OFFERED	INTERNAL TRAINING RESOURCES	EXPERIENTIAL LEARNING AND OUTREACH PROGRAMS	SURVEY IDENTIFIED OPPORTUNITIES
Abilene Christian University (ACU)	» *In Development* Graduate Program in Nuclear Science and Engineering	» *In Development* in-person and remote learning options for coursework	» Hands-on experience preparing to build the MSR-1 at ACU NEXT Lab	» Develop a reactor simulator control room » Health Physics Certificate » Reactor Operator Training » Senior Reactor Operator Training » Criticality Safety Radiation Protection
Texas Tech University	» Degree programs in Environmental Engineering, Mechanical Engineering, Chemical Engineering, and Electrical Engineering		» TTU is collaborating with Natura on ACU's reactor » Texas Produced Water Consortium is collaborating with Natura on desalination in the Permian Fermi America data center is being built on TTU land adjacent to Pantex	
University of Texas San Antonio	» PhD Physics with a concentration in Materials Science » Cybersecurity Electrical Engineering (power systems including nuclear power)	» Nuclear specific coursework in: electrical engineering, physics » Nuclear Energy research » Integrated Energy system simulators Laboratory for Applied AI with a focus on instrumentation and data analytics applications	» CONNECT NNSA research focused on: fuel cycle materials, nuclear forensics, computational and data analytic techniques » Summer Nuclear Security program for undergraduate students » National Lab internships	» Possible proximity partner for nuclear deployments at JBSA Opportunity to build AI/Nuclear Security and Grid Management specialty workforce pipeline

UNIVERSITY PROGRAMS (CONTINUED)

UNIVERSITY	DEGREES/ CREDENTIALS OFFERED	INTERNAL TRAINING RESOURCES	EXPERIENTIAL LEARNING AND OUTREACH PROGRAMS	SURVEY IDENTIFIED OPPORTUNITIES
Texas Southern University	» BS in Health Physics (Physics and Biology option) Certification in Health Physics			

COMMUNITY COLLEGES AND TECHNICAL SCHOOLS

INSTITUTION	DEGREES/CREDENTIALS OFFERED	EXPERIENTIAL LEARNING AND OUTREACH PROGRAMS	SURVEY IDENTIFIED OPPORTUNITIES
Texas State Technical College	» Instrumentation and Control Technology » Electrical Power and Controls » Precision Machining Technology » Industrial Systems for plant operations » Cybersecurity and Cloud Computing » *In Development* Power Production Technology program aligned with nuclear industry fundamentals and broad energy systems	» Hands-on, lab-based instruction on programmable logic controllers, motor controls, fluid power systems » Workshops on LOTO, safety basics, hazardous material handling » Industry led certifications to meet OSHA and NCCER standards » Apprenticeships in: electrical power and controls, precision machining, welding, industrial systems » Simulation-based and XR tools for safety training, equipment troubleshooting, and industrial diagnostics focused on work environments with HV equipment and hazardous materials	» *Inactive* TSTI used to have a Nuclear Technology Program » *Inactive* AAS in Radiation Protection Technology – TSTC Waco: coursework still available and accessible » Currently nothing *nuclear specific*, however significant nuclear *relevant* coursework that could be minimally adjusted to achieve workforce goals

COMMUNITY COLLEGES AND TECHNICAL SCHOOLS (CONTINUED)

INSTITUTION	DEGREES/CREDENTIALS OFFERED	EXPERIENTIAL LEARNING AND OUTREACH PROGRAMS	SURVEY IDENTIFIED OPPORTUNITIES
Austin Community College		» Non- credit rapid upskilling programs in Electromechanical Systems » Intermediate upskilling courses in 10 core electronic and automation topics » Advanced 4-week electrician technician rapid training program » Industry sponsored apprenticeships » Engage with high school students through Austin Regional Manufacturing Association	» Automated manufacturing programs are portable to nuclear industry
Wharton County Junior College	» Nuclear Power Technology Program » AAS in Non-Licensed Operator Specialty, Electrical Technician Specialty, Instrumentation and Control Specialty, Mechanical Technician Specialty » Certificates in: Non-licensed operator level II, Instrumentation and Control Tech Level II, Electrical Technician Level II » Welding Technology program		» WCJC's Nuclear Power program has been recognized as a "best practice" program among 2-year NPT programs by the IAEA » Welding program isn't explicit to nuclear applications, however there is possibility for programmatic alignment between Welding and NPT

INDUSTRY SPONSORED RESOURCES

COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
ANS	» Professional Development certificate programs » Nuclear 101 Certificate Course » PE Exam Prep » Licensing & Regulation training » Certified Nuclear Professional Certification	» NCSD25 Conference hosted in Austin » Student Conference hosted in College Station – Spring 2026 » NECX 2026 - Dallas » Student scholarships and grants » ANS Career Finder » Education, Training & Workforce Development Division » Student and Local Chapters » PreK-12 outreach programs (accelerators, ambassadors, Navigating Nuclear)	» Use Pathways to Nuclear Resources as an early model for building TX outreach » Open-source the Nuclear 101 Certificate for Texans
Zachry Group	» NCCER Credentialing » Zachry Craft Advancement Program » Zachry Craft Experience » Zachry Welding Program » Zachry Rotational Program » Zachry Leadership Program » State Licensing for Electrical Apprentices » CBT for NCCER » Zachry's internal Online Learning Management System	» Texas AG Mechanics Program (high schools) » Community Trade School Programs along the Gulf Coast in TX, LA » Partnership with Greater Baton Rouge Industry Alliance » Regional co-ops in Freeport, Greater Houston, Baton Rouge, etc.	
Day & Zimmerman	» USDOL Registered Apprenticeship programs in: Welding, pipefitting, industrial painting, millwright, scaffolding, electrician, rigger, and mechanical insulators » Hybrid onboarding » In-person upskilling for craft workers		

INDUSTRY SPONSORED RESOURCES (CONTINUED)

COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
Urenco USA	» Paid internships in all fields » Co-ops » On-site internships » Institute of Nuclear Power Operations Leadership training » Nuclear Enrichment Operator Training Programs from initial qualification on maintenance systems to shift management in a nuclear facility	» Training and workforce development team hired intentionally for K-12 and higher education experience » Funded local pipeline/ ecosystem approach in Hobbs, NM that follows students from high school into junior college and targets local employment via: » C-TECH Technical School General Training program at Hobbs High School teaching general electrical, mechanical, and hydraulics » Sponsors interns and scholarship programs to NMJC's AAS in Nuclear Energy for CTECH grads » Developing a Co-Op out of NMJC » Radiation Protection program at NMJC is run by CME/SME's at Urenco (night/ partial appointments, funded by Urenco) » Parent industry and safety awareness programming » *In Development* Building general engineering program into Eastern New Me	» Training and workforce teams need to be expanded » Recruiting opportunities and long-term retention programs and pathways for remote facilities » Veteran pipeline placement programs leading to credit for the first 2 years of a General Engineering degree

INDUSTRY SPONSORED RESOURCES (CONTINUED)

COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
South Texas Project	» Department internships (ops, engineering, electrical maintenance, mechanical maintenance, I&C, accounting, human resources, IT, corporate communications) » Leadership Training - MARC Training Session » Facilitative Leadership » Nuclear Safety Culture Training » First Line Leadership Essentials (FLLE) » Leadership Development Initial Training » Mastering Performance Conversations	» Sponsors Education Incentive Program with Wharton County Junior College's AAS in NPT (tuition for up to 2 years) » Sponsor apprenticeships for roles critical to plant operations and succession planning: Electrical and I&C Techs, Mechanical maintenance techs, Operations trainees » Active hiring from WCJC and TAMU's CENTAUR	» Would like to see more licensed student operator programs while in school » Victoria County Nuclear Station project revival
CPS Energy	» Certified Nuclear Professional credential		
Vistra Corp	» National Academy of Nuclear Training accredited internal programs on: licensing for operating a reactor, maintenance of system/ components, radiation monitoring » Each nuclear facility has a Technical Training Center for initial and continuing training courses » Remote training courses are also available for courses » CBT's for qualifying, maintaining qualifications, access control, etc.	» Sponsors apprenticeships for crafts (electricians/ mechanics/ I&C) » Co-ops, curriculum advisory committees, job fairs with various educational institutions (TAMU, UTA, UTD, TCU, Tarleton State University) » Summer internships » Formal mentorship programs » Facility Tours	» Attraction and retention of talent for the existing fleet and uprate projects should be balanced against in relation to new designs and build projects

INDUSTRY SPONSORED RESOURCES (CONTINUED)

COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
Enercon Services, Inc.	» Institute of Nuclear Power Operations NANTeL training » Internal classroom-based training on PWR, BWR, and balance of plants » Strong licensing and environmental siting SME	» Internships across engineering and licensing (usually undergrads in university, typically local) » Co-Ops » Formalized internal mentorship programs for engineers and engineering design processes	» Nuclear Safety Related Work » Design Verification Processes » Safety Analysis for physics » Electrical Analysis » Engineering Fire Protection – only two schools University of Oklahoma/ Oklahoma State and Maryland » Seeing a lot of reform in the NRC, we can't have a 1970's AEC
Uranium Energy Corp	» Health Physics training to all employees » OSHA related safety training programs »	» Student internships focused on Texas and Wyoming geology and engineering programs	»
General Matter		» Internships	» Suggestion to have centralized training programs at the state level » Opportunity to develop more generalized training programs to provide demand signals and attract talent » Open to apprenticeships and co-ops
Jacobi Consulting	» Health Physics training (8h and 40h) » Annual Radiation Safety Training for industrial facilities (8h) » NORM/TENORM radiation safety training (4h) » Virtual courses are available upon request		

INDUSTRY SPONSORED RESOURCES (CONTINUED)

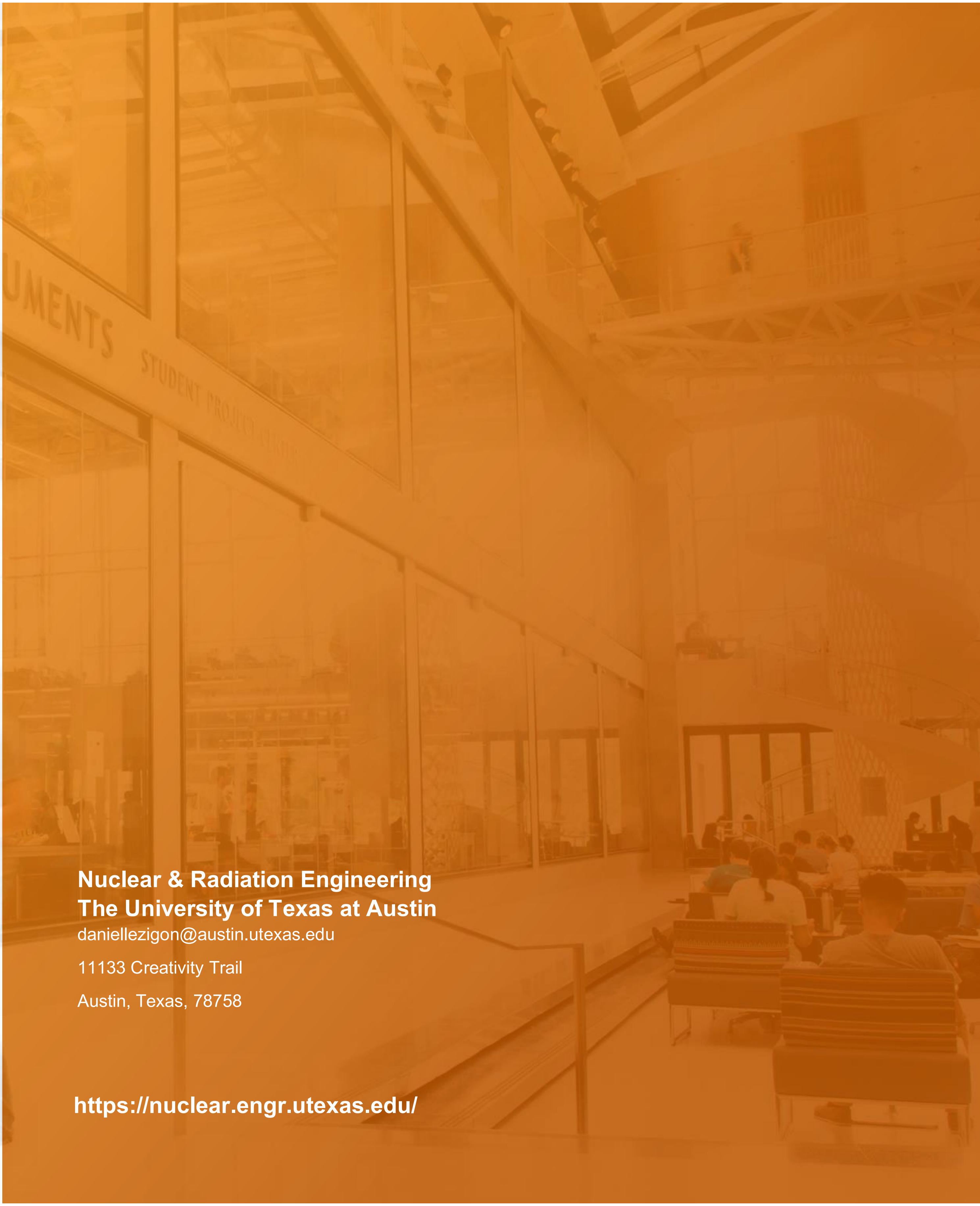
COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
HealthPhysics.com	» Client-specific online training and certification for Health Physics and Radiation Safety » Training delivered through existing customer LMS or new ones » License Renewal Assistance » Auditing of licensing conditions	» *In Development* Online meeting space for mentoring and collaboration » Informal mentorships	» Health Physics and Radiation Safety degree programs relegated to minors could be spun up as major
Accenture	» Utilities and Nuclear Industry Software Testing Program training » Power Generation 101 training » Online and CBTs available » Technology and process improvement training for nuclear operators » Industrial training of machinists with AR/VR through the X Practice	» Full time earn-and-learn 12-month workforce training pipeline program where individuals join project teams/ gain specific skills with the intent of making candidates ready for specific jobs in: Project Management, Coding, Cloud Computing, AI	

INDUSTRY SPONSORED RESOURCES (CONTINUED)

COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
MPR	» Training Centers » Workshops » CBT's » Internal training on shielding, CFD, etc. for nuclear power plants	» Internship Programs: » Summer internship positions for undergraduate and graduate students in nuclear engineering, mechanical engineering, and related technical disciplines » Academic year part-time internships for students at local universities » Specialized research internships focused on advanced reactor design and analysis » Mentorship Initiatives: » Formal mentorship program pairing early-career engineers with senior technical staff » Cross-functional mentorship opportunities spanning nuclear design, analysis, and project management » Industry mentorship through our participation in professional organizations (ANS, ASME) » Cooperative Education Programs: » Partnerships with nuclear engineering programs for semester-long co-op placements » Professional Development Partnerships: » Collaboration with university nuclear programs for capstone projects » Guest lecture series and technical presentations » Support for student participation in nuclear industry conferences and competitions » Training and Development: » On-the-job training programs for new graduates entering nuclear consulting » Technical skills development in nuclear analysis software and methodologies	» Leverage Texas Reskilling and Upskilling Through Education (TRUE) Program » Investments in mining operations in TX largely shutdown in 2019 » Revive the Panna Maria Recovery Site » Create incubators for nuclear technology companies requiring specialized workforce » Support development of training technology companies (VR/AR for nuclear training) or a digital marketplace hub » Track employment outcomes and salary progression for any/all workforce development program graduates to measure program ROI » Create feedback loops between industry and educational institutions »

INDUSTRY SPONSORED RESOURCES (CONTINUED)

COMPANY	TRAINING, CREDENTIALING, AND APPRENTICESHIPS	OUTREACH PROGRAMS AND PARTNERSHIPS	SURVEY IDENTIFIED OPPORTUNITIES
Curtiss-Wright Round Rock (only facility in TX)	» Advanced Innovation Center (AIC) physical facility that is used as a lab for machining, engineering design, and prototyping	» 2-year Engineering Graduate Rotational Program that takes new graduates through all areas of the business within the company	
Laborers International Union of North America Local 1095	» DOL registered apprenticeship program with instruction and credentials for commercial and industrial construction (all site work, utilities, concrete, scaffolding, confined space, etc.)		
ClearPath	» Hosts delegations of Federal Congressional Members and Staff to educate them on nuclear issues in DC	» Congressional Fellows program that staffs conservative offices in the US House and Senate with fully paid mid-career professionals for one year » Sponsored Nuclear Innovation Alliance's bootcamp	» Opportunity to staff TX delegates with ClearPath Congressional Fellows to help prioritize sound nuclear policymaking in Texas



Nuclear & Radiation Engineering
The University of Texas at Austin
daniellezigon@austin.utexas.edu

11133 Creativity Trail

Austin, Texas, 78758

https://nuclear.engr.utexas.edu/