

A woman with dark hair, wearing glasses and a blue button-down shirt, is smiling and looking towards the left. She is in a meeting room with several other people seated around a table. The background is slightly blurred, showing other people in business attire. The overall atmosphere is professional and collaborative.

Biomedical Careers

for everyone

How to begin a lifelong career

What would you like to do?

Find your first step.

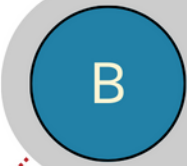
How far can you go?

Where to get help?

Which Letter Describes You Best?
 (Most people claim more than one trait)

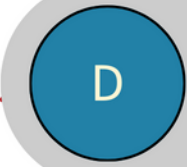
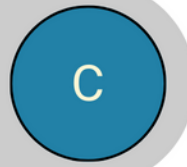


EMPATHETIC



DETAIL ORIENTED

DATA DRIVEN



CURIOUS

PROBLEM SOLVER



ORGANIZED

HANDS-ON

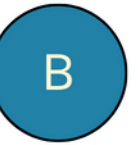
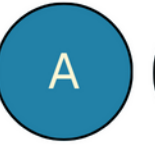


PROCESS DRIVEN

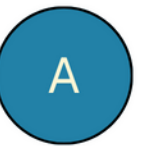
Character Traits in
 the Bioscience and
 Healthcare Industry

Table of Contents

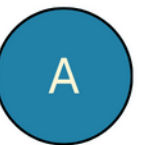
Clinical Care Technology
 & Pharmacy
 pg. 3-4



Patient Care
 pg. 5-6



Nursing
 pg. 7-8



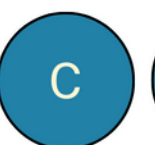
Administration
 pg. 9-10



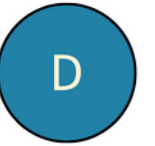
Facilities
 pg. 11-12



Engineering
 pg. 13-14



Research
 pg. 15-16



Clinical Trials
 pg. 17-18



Biotechnology
 pg. 19-20



Bio Industry Support
 pg. 21-22



What's Next?
 pg. 23-24

BioMedSA is a non-profit, member-driven hub for the life science industry in San Antonio with the mission to accelerate the growth of the healthcare and bioscience sector, create regional economic benefit, and contribute to the health of San Antonio and beyond. www.biomedsa.org



CLINICAL CARE TECHNOLOGY A

EMPATHETIC

SURGICAL TECHNICIAN
\$38K-\$59K ★

EMERGENCY MEDICAL TECHNICIAN
\$24-\$45K ★ ★ 2M

ANESTHESIA TECHNICIAN
\$35K-\$67K ★ 3Y ★ 0

RESPIRATORY THERAPIST
\$53K-\$79K ★

IMAGING TECHNICIAN

- ★ 12M • Cardiac Sonographer
- ★ 12M • Radiography Technologist
- ★ 21M • Diagnostic Medical Sonographer
- ★ Varies based on Certification

\$47K-\$119K

IMAGING TECHNOLOGIST
\$50K-\$112K ★

For More Information



EVERY DAY I GET AN OPPORTUNITY TO TREAT A PATIENT LIKE FAMILY...COMFORTABLE PATIENTS GIVE BETTER OUTCOMES.
TAMI -IMAGING TECHNOLOGIST
36 YEARS IN THE INDUSTRY

PHARMACY B

DETAIL ORIENTED

PHARMACY MANAGER \$140K-\$180K
★ ★ 8Y ◆ 5Y

PHARMACIST \$128K-\$162K
★ ★ 8Y PHARM D

PHARMACY TECHNICIAN \$30K-\$53K
★ ★ 24M

For More Information



THERE ARE SO MANY DIFFERENT FIELDS TO WORK IN: RETAIL, INPATIENT, AND CLINICAL. MY FAVORITE IS IN NON-STERILE COMPOUNDS. I GET TO MEASURE AND MIX FORMULATIONS REQUESTED BY A DOCTOR. IT'S LIKE BAKING, WITHOUT THE OVEN!
AMY - PHARMACY TECHNICIAN
25 YEARS IN THE INDUSTRY

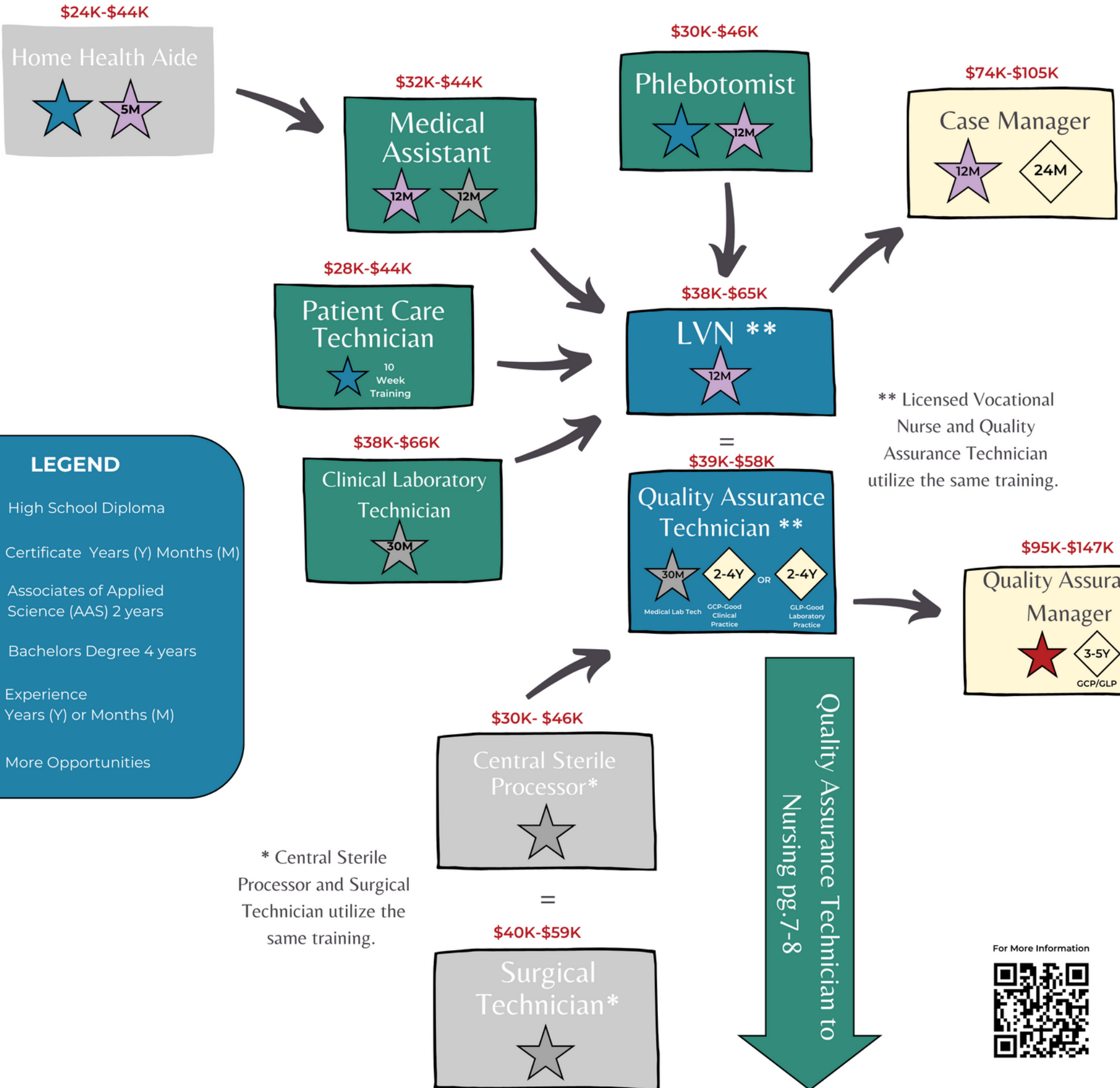
LEGEND

- ★ High School Diploma
- ★ Certificate Years (Y) Months (M)
- ★ Associates of Applied Science (AAS) 2 years
- ★ Bachelors Degree 4 years
- ★ Doctoral Degree (D): PhD, MD, DDS, DVM
Masters Degree (M)
- ◆ Experience Years (Y) or Months (M)
- ➔ More Opportunities

Patient Care

A

Empathetic



LVN to Nursing pg.7-8

LVN to Clinical Trials pg.17-18

LEGEND

- ☆ High School Diploma
- ★ Certificate Years (Y) Months (M)
- ▲ Associates of Applied Science (AAS) 2 years
- ★ Bachelors Degree 4 years
- ◇ Experience Years (Y) or Months (M)
- ➔ More Opportunities

** Licensed Vocational Nurse and Quality Assurance Technician utilize the same training.

* Central Sterile Processor and Surgical Technician utilize the same training.

Working as a medical technician gets me out of my comfort zone every day as I work with patients. My job allows me to work with all aspects of medical care - IVs, x-ray, etc.
 Moises - Technical Supervisor (Medical Assistant)
 20 years in the industry



NURSING

A Empathetic

For More Information



\$101K-\$137K

Nurse Practitioner/Physician Assistant

★ ★ M ★ 18M

MSN Post Grad Certificate

\$111K-\$161K

Chief Nursing Officer (CNO)

★ 8Y

\$175K-\$233K

Certified Registered Nurse Anesthetist (CRNA)

★ 12M ★ 28M

\$53K-\$95K

Registered Nurse (RN)

Path 1: LVN to RN Path 2 - Bachelors in Nursing BSN

★ 18M ★

\$39K-\$63K

Licensed Vocational Nurse (LVN)

★ 12M

Clinical Trials. pg.17-18

WE NEVER CONSIDER PATIENTS FINISHED. WE SHOULD BE LEARNING ALL OF OUR LIVES.

FLORENCE NIGHTINGALE: 1820-1910

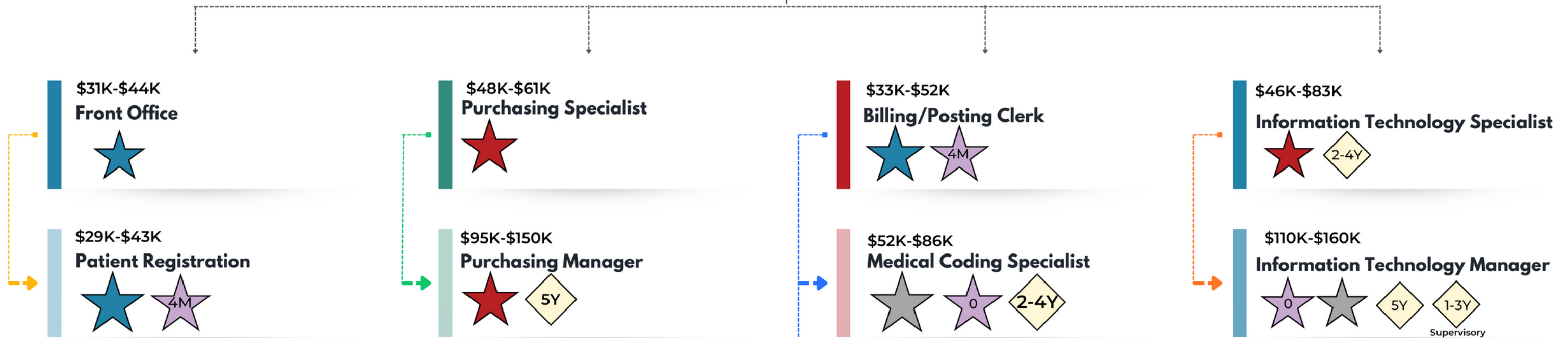
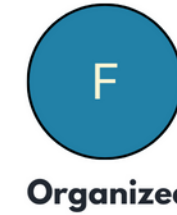
FOUNDER OF MODERN NURSING

From Patient Care pg. 5-6

LEGEND

- ★ High School Diploma
- ★ Certificate Years (Y) Months (M)
- ★ Associates of Applied Science (AAS) 2 years
- ★ Bachelors Degree 4 years
- ★ Doctoral Degree (D): PhD, MD, DDS, DVM
Masters Degree (M)
- ★ Experience Years (Y) or Months (M)
- ➡ More Opportunities

ADMINISTRATION



LEGEND

- High School Diploma
- Certificate Years (Y) Months (M)
- Associates of Applied Science (AAS) 2 years
- Bachelors Degree 4 years
- Experience Years (Y) or Months (M)

For More Information



I knew I wanted to work in healthcare but didn't want to be in a hands-on role with patients. In billing and coding, I get to work behind the scenes with lots of room to grow!
Monique - Billing
3 years in the industry

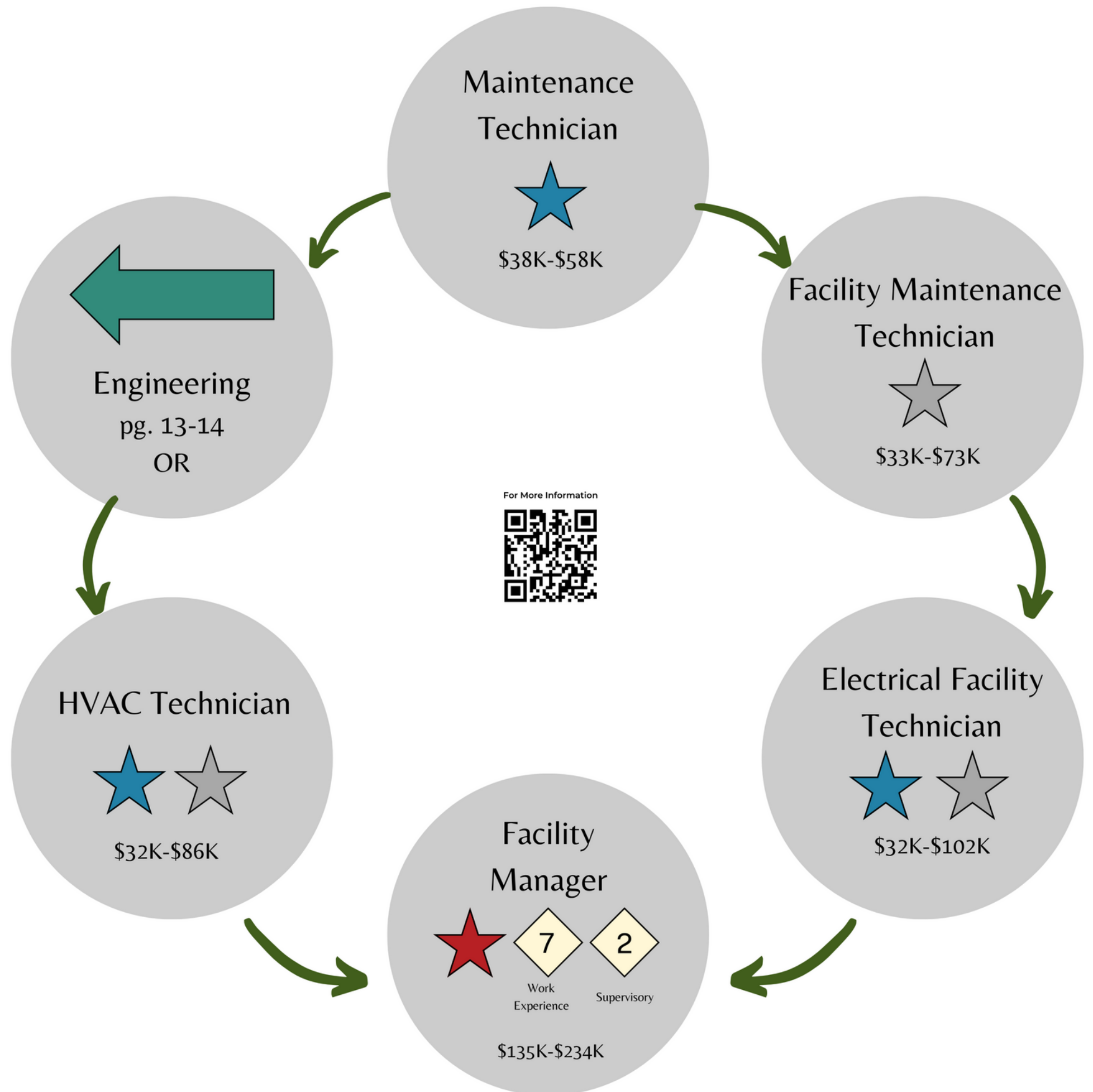
Facilities



Hands-On

LEGEND

- High School Diploma
- Certificate Years (Y) Months (M)
- Associates of Applied Science (AAS) 2 years
- Bachelors Degree 4 years
- Experience Years (Y) or Months (M)



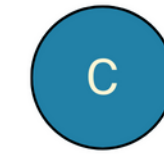
“

"HVAC and cold storage play a role in temperature regulation. Biopharmaceuticals must be stored at constant temperatures to be safe. Temperature fluctuations can make products unstable, reducing their effectiveness and making them risky, if not totally unusable. As a result, there can be a profound negative impact to patient safety, efficacy of the product and financial impact."

**Milt -Vice President - Operations
Biomanufacturing
30+ years in the industry**

”

ENGINEERING



Data driven

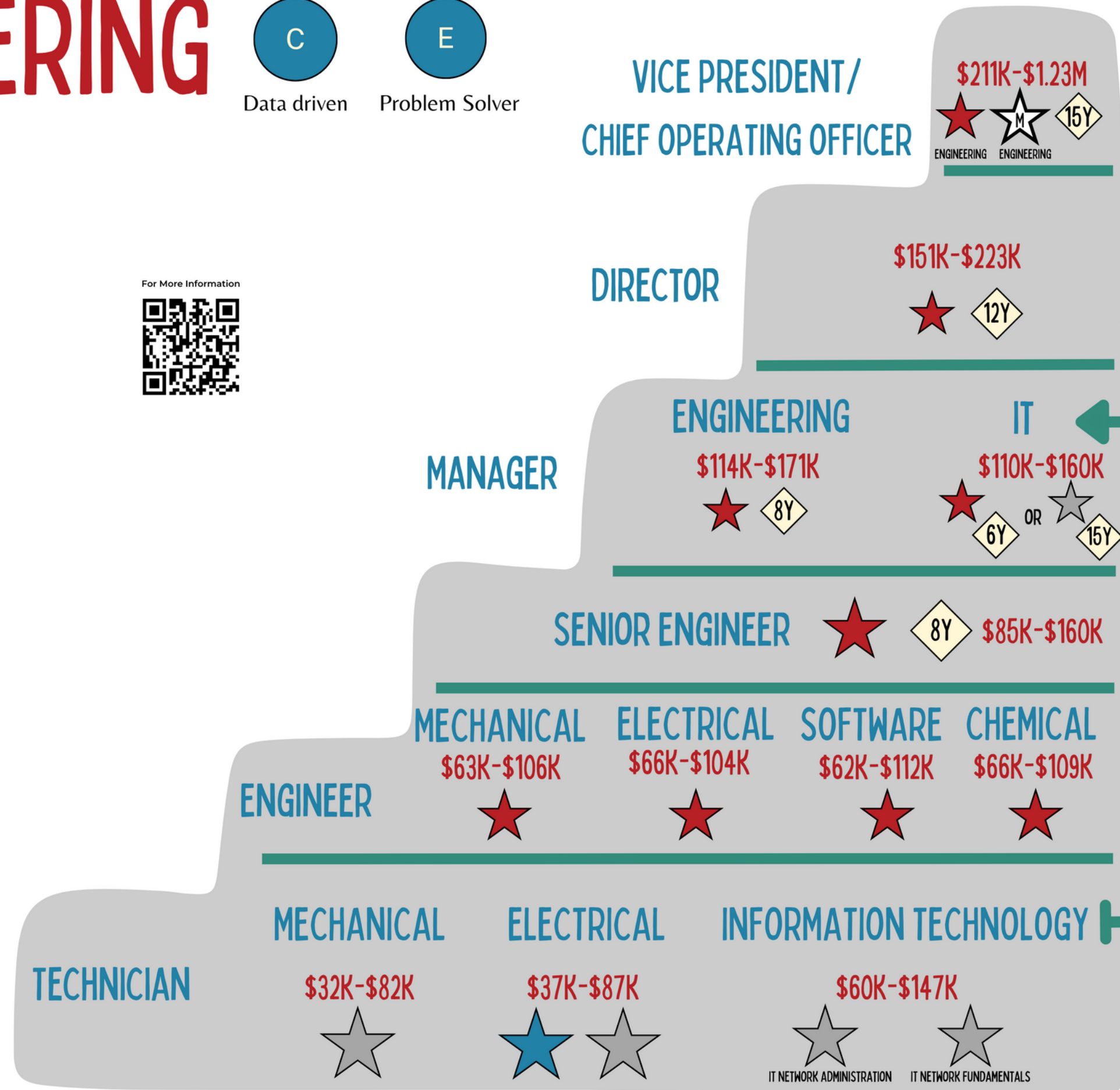


Problem Solver

I USED TO WANT TO BE A FOOTBALL COACH BUT I WAS ALSO FASCINATED BY SCIENCE FICTION AND MOVIES WHERE NEW TECHNOLOGY WAS BEING INVENTED. JUST THINK, THERE WAS A TIME WHEN PEOPLE THOUGHT COMPUTERS WERE SCIENCE FICTION. NOW, I GET TO BE A PART OF WATCHING SCIENCE FICTION BECOME REALITY. MY JOB IS UNRIVALED BY ANYTHING ELSE.

JOSHUA - MECHANICAL ENGINEER, PHD IN BIOMEDICAL SCIENCE
8 YEARS IN THE INDUSTRY

For More Information



LEGEND

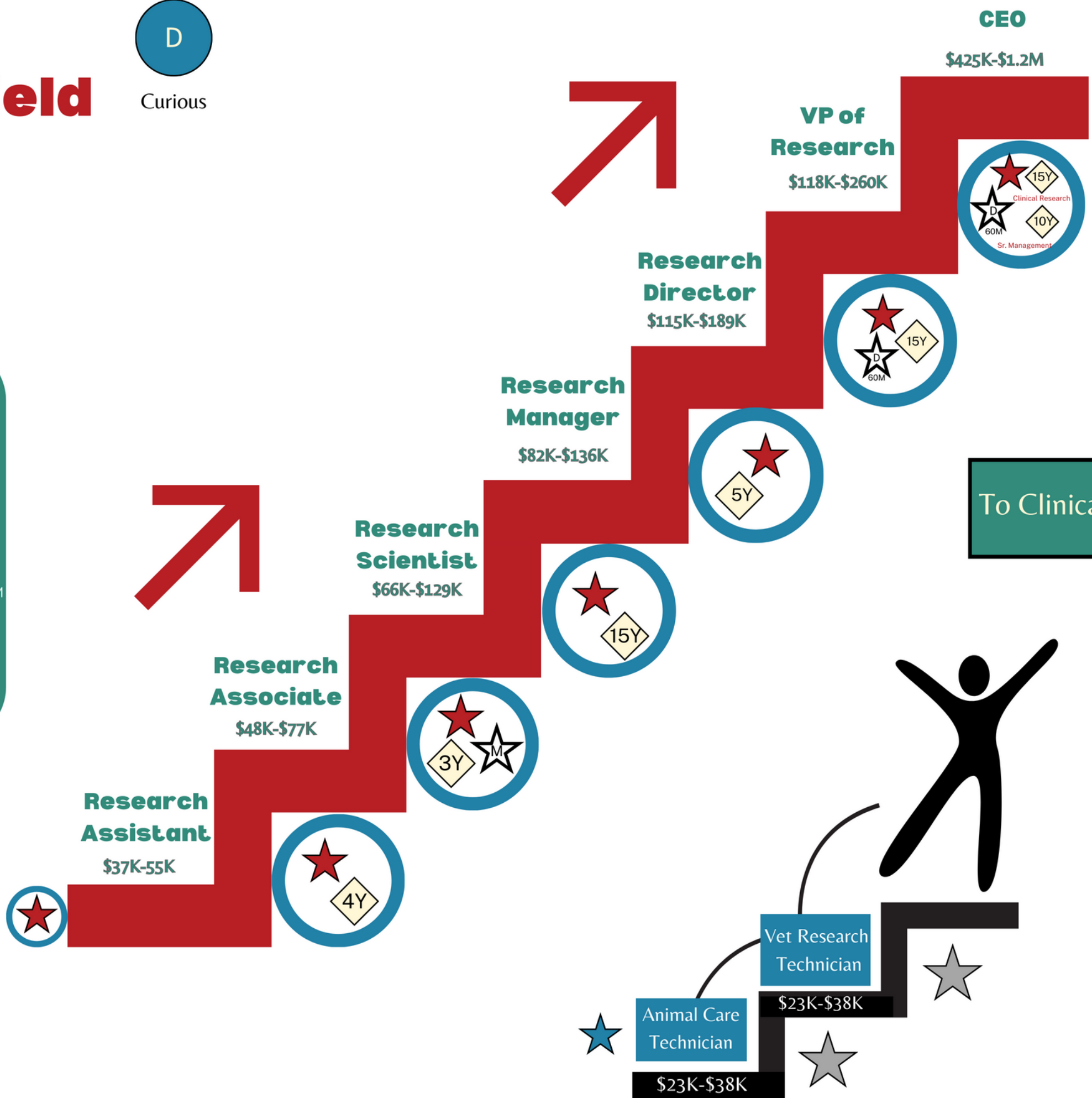
- High School Diploma
- Certificate Years (Y) Months (M)
- Associates of Applied Science (AAS) 2 years
- Bachelors Degree 4 years
- Doctoral Degree (D): PhD, MD, DDS, DVM
Masters Degree (M)
- Experience Years (Y) or Months (M)
- More Opportunities

Research... ANY Science Field

D
Curious

LEGEND

- ★ High School Diploma
- ★ Certificate Years (Y) Months (M)
- ★ Associates of Applied Science (AAS) 2 years
- ★ Bachelors Degree 4 years
- ★ Doctoral Degree (D): PhD, MD, DDS, DVM
★ Masters Degree (M)
- ◆ Experience Years (Y) or Months (M)
- ➡ More Opportunities



Clinical Trials

B **H**
Detail Oriented Process Driven

Clinical trials play a critical role in medical research and without them, innovative discoveries and breakthroughs wouldn't make it to the patients that need them.

Alliance for Aging Research Team

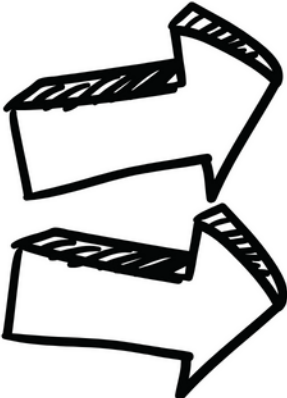
1
\$40K
Clinical Research Assistant

★ + 1-3A
OR ★ + ★0



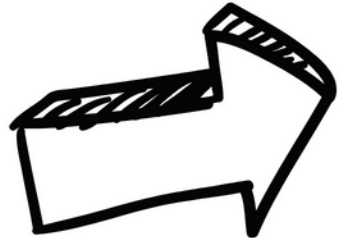
2
\$48K-\$80K
Clinical Research Coordinator

★ ★30M ★6M



3
\$76K-\$115K
Project Manager

★ ★5Y



5

\$77K-\$145K
Clinical Trial Manager

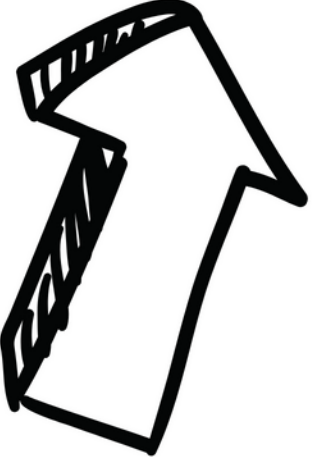
★ ★0 ★4-6Y



\$58K-\$100K
Clinical Trial Monitor

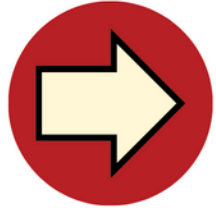
★ ★0 ★3Y

4



\$75K-\$100K
Clinical Trial Billing Specialist

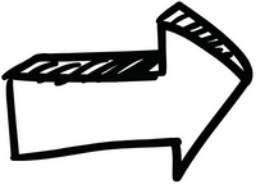
★ ★2Y



Medical Doctor (M.D.)
Research (Ph.D.)

6
\$59K-\$300K
PRINCIPAL INVESTIGATOR

★



7
\$250K-\$325K
VP Clinical Operations

★

5+Y 10+Y 10+Y
Manage global teams Supervisory Direct programming experience



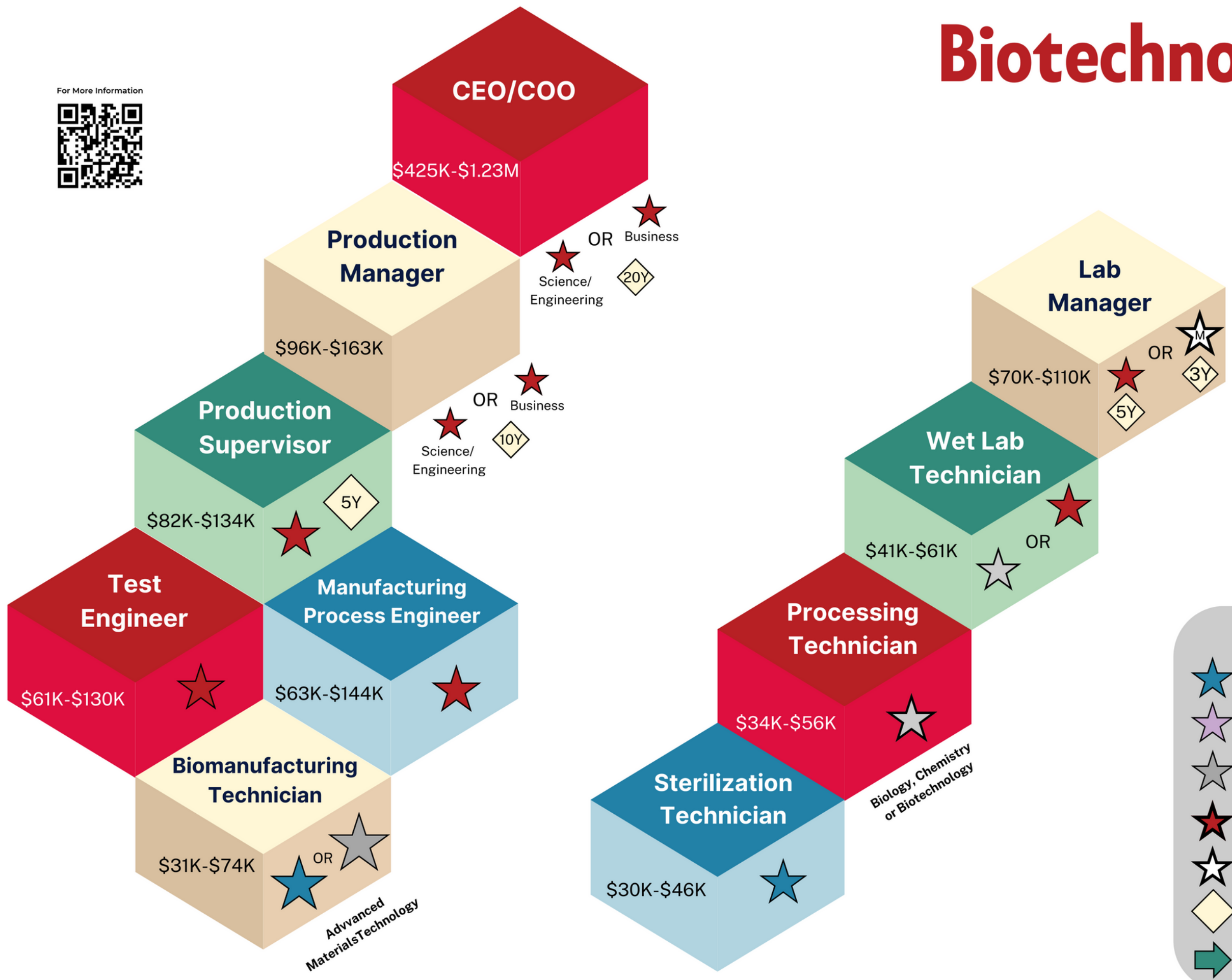
LEGEND

- ★ High School Diploma
- ★ Certificate Years (Y) Months (M)
- ★ Associates of Applied Science (AAS) 2 years
- ★ Bachelors Degree 4 years
- ★ Doctoral Degree: PhD, MD, DDS, DVM
- ★ Experience Years (Y) or Months (M)
- Extended Path

Biotechnology



Process Driven



LEGEND

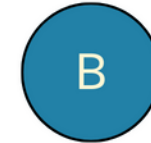
- High School Diploma
- Certificate Years (Y) Months (M)
- Associates of Applied Science (AAS) 2 years
- Bachelors Degree 4 years
- Doctoral Degree (D): PhD, MD, DDS, DVM
Masters Degree (M)
- Experience Years (Y) or Months (M)
- Extended Path

LEGEND

- ☆ High School Diploma
- ☆ Certificate Years (Y) Months (M)
- ☆ Associates of Applied Science (AAS) 2 years
- ☆ Bachelors Degree 4 years
- ☆ Doctoral Degree (D): PhD, MD, DDS, DVM
☆ Masters Degree (M)
- ◇ Experience Years (Y) or Months (M)
- ➔ Extended Path



Bio Industry Support: Data, Regulatory, and Quality Assurance



Detail Oriented

Regulatory

Quality Assurance

Data Analyst
\$49K-\$81K

- ☆ Data Analytics
- ☆ Computer Science
- ☆ Math
- ☆ Physics

and/or ☆ M

Data Scientist
\$58K-\$162K

- ☆ Data Analytics
- ☆ Computer Science
- ☆ Math
- ☆ Physics

and/or ☆ M

Biostatistician
\$58K - \$151K

- ☆ M Epidemiology
- ☆ M Biostatistics

\$49K-\$117K

Regulatory Specialist

- ☆ Science/Engineering
- or
- ☆ Science/Engineering

\$102K-\$177K

Regulatory Manager

- ☆ Science/Engineering
- ◇ 5Y

\$190K-\$374K

Vice President-regulatory

- ☆ Science/Engineering
- ◇ 12Y

\$50K-\$77K

Quality Assurance Specialist

- ☆ Science/Engineering
- or
- ☆ Science/Engineering

\$95K-\$147K

Quality Assurance Manager

- ☆ Science/Engineering
- ◇ 5Y

\$187K-\$326K

Vice President- quality assurance

- ☆ Science/Engineering
- ◇ 12Y

What's Next?

**THE SECRET OF GETTING AHEAD IS
GETTING STARTED**

~MARK TWAIN

- **PICK A CAREER PATH**
- **ASSESS WHAT YOUR EDUCATION LOOKS LIKE SO FAR**
- **LOOK AT THE NEXT STEP ONLY**
- **SIGN UP FOR CAREER COUNSELING**
- **CLICK THE QR CODE TO KEEP UPDATED ON OPPORTUNITIES**

For More Information



What if I need help?

- **WITH CHILDCARE?**
- **WITH TRANSPORTATION?**
- **WITH TUITION?**
- **SCAN THE QR CODE FOR MORE INFORMATION**

**TRAINING PROVIDERS
SUPPORTING YOUR JOURNEY**



**ALAMO
COLLEGES
DISTRICT**



**UNIVERSITY OF THE
INCARNATE WORD**

SPONSORS



PRINTING GENEROUSLY PROVIDED BY



TRANSLATIONS PROVIDED BY

