

CHEMISTRY
FACULTY
REPLACEMENT



Modesto Junior College



THE CHEMISTRY FACULTY-CSR HAS
INCREASED TO 87.77 % IN 2019-2020, THE
HIGHEST IT HAS EVER BEEN.

FILL RATE FOR FALL 2021 FOR THE CHEMISTRY
DEPARTMENT WAS 101.32%

THIS RESULTED IN 134 FTES.

AS OF 11/5/21 > 50% OF THE CHEMISTRY
SECTIONS (14/27) ARE FULL, WITH WAIT LISTS.

THE CHEMISTRY DEPARTMENT IS CURRENT IN ITS CURRICULUM REVISION/DEVELOPMENT, PROGRAM REVIEW, AND ASSESSMENT.

WE HAVE A HARD TIME FINDING QUALIFIED ADJUNCT FACULTY IN THE STANISLAUS COUNTY AREA TO TEACH CHEMISTRY.

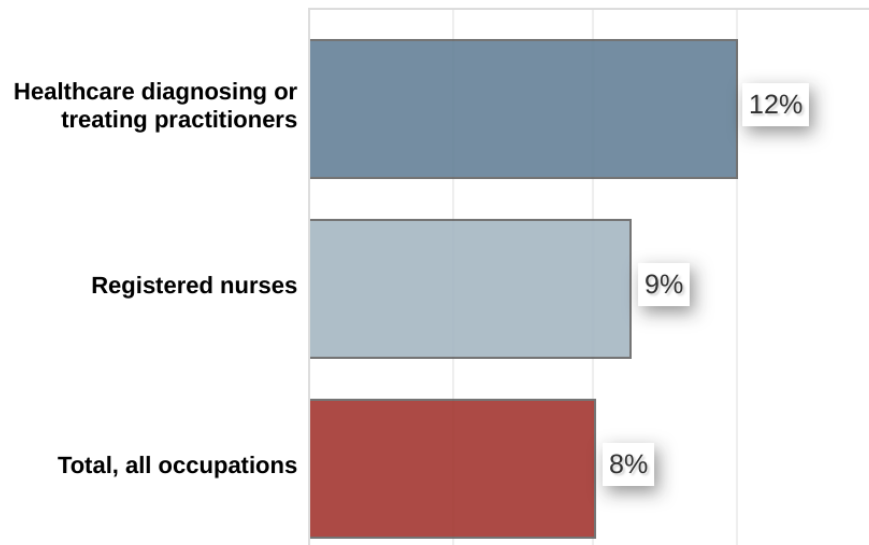
THIS NEGATIVELY IMPACTS OUR EFFORTS TO GIVE OUR STUDENTS EQUITY AND ACCESS.

A PATHWAY TO CAREERS

EMPLOYMENT IN HEALTHCARE OCCUPATIONS IS PROJECTED TO GROW 16 PERCENT FROM 2020 TO 2030, MUCH FASTER THAN THE AVERAGE FOR ALL OCCUPATIONS, ADDING ABOUT 2.6 MILLION NEW JOBS. HEALTHCARE OCCUPATIONS ARE PROJECTED TO ADD MORE JOBS THAN ANY OF THE OTHER OCCUPATIONAL GROUPS.

Registered Nurses

Percent change in employment, projected 2020-30

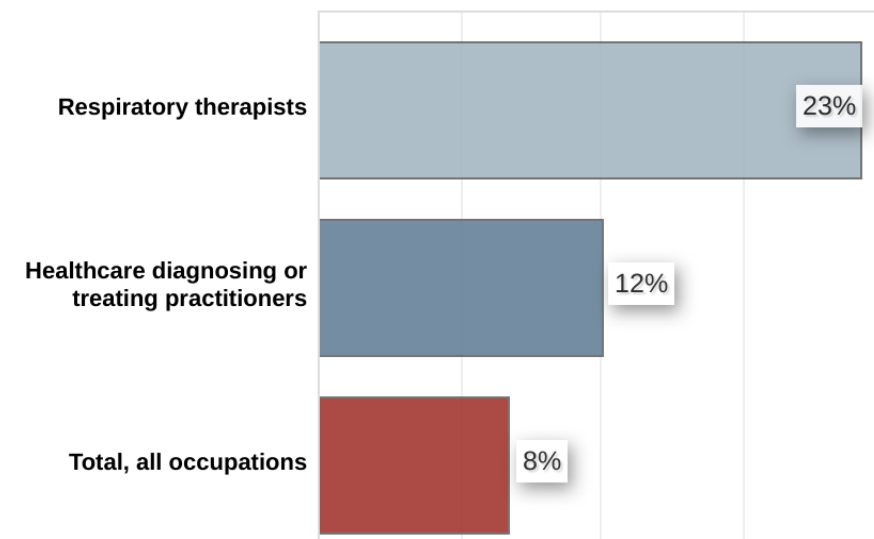


Note: All Occupations includes all occupations in the U.S. Economy.
Source: U.S. Bureau of Labor Statistics, Employment Projections program

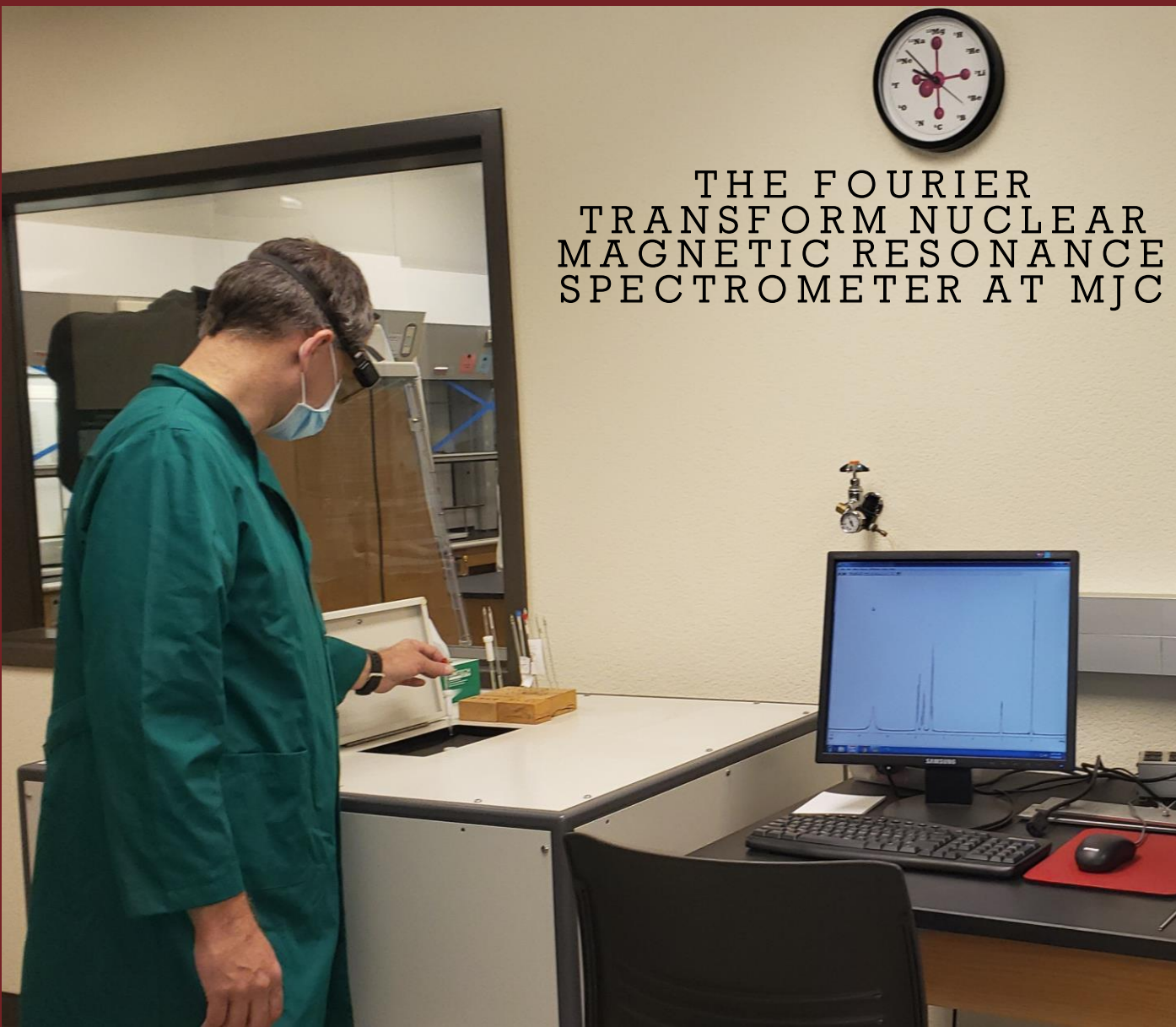
Chemistry
Is the
Gateway
Course For
These
Professions

Respiratory Therapists

Percent change in employment, projected 2020-30



Note: All Occupations includes all occupations in the U.S. Economy.
Source: U.S. Bureau of Labor Statistics, Employment Projections program



THE FOURIER
TRANSFORM NUCLEAR
MAGNETIC RESONANCE
SPECTROMETER AT MJC

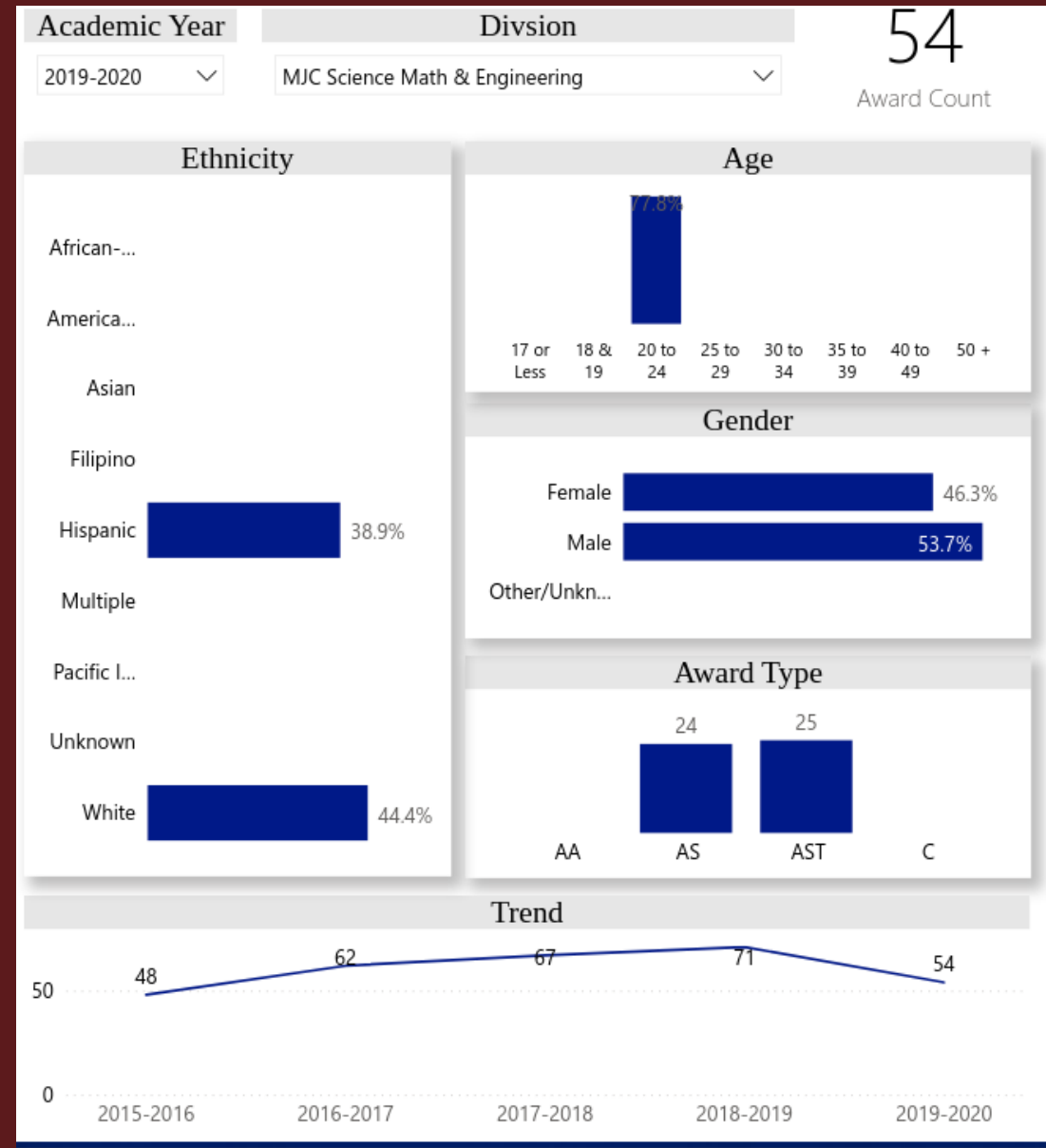
EXCELLENCE IN TEACHING AND LEARNING

THE CHEMISTRY DEPARTMENT
GIVES OUR STUDENTS HANDS ON
EXPERIENCE WITH SEVERAL HIGHLY
SOPHISTICATED INSTRUMENTS
USED IN THE INDUSTRY.

MOST UNIVERSITIES DO NOT
ALLOW STUDENTS TO TOUCH
THESE INSTRUMENTS.

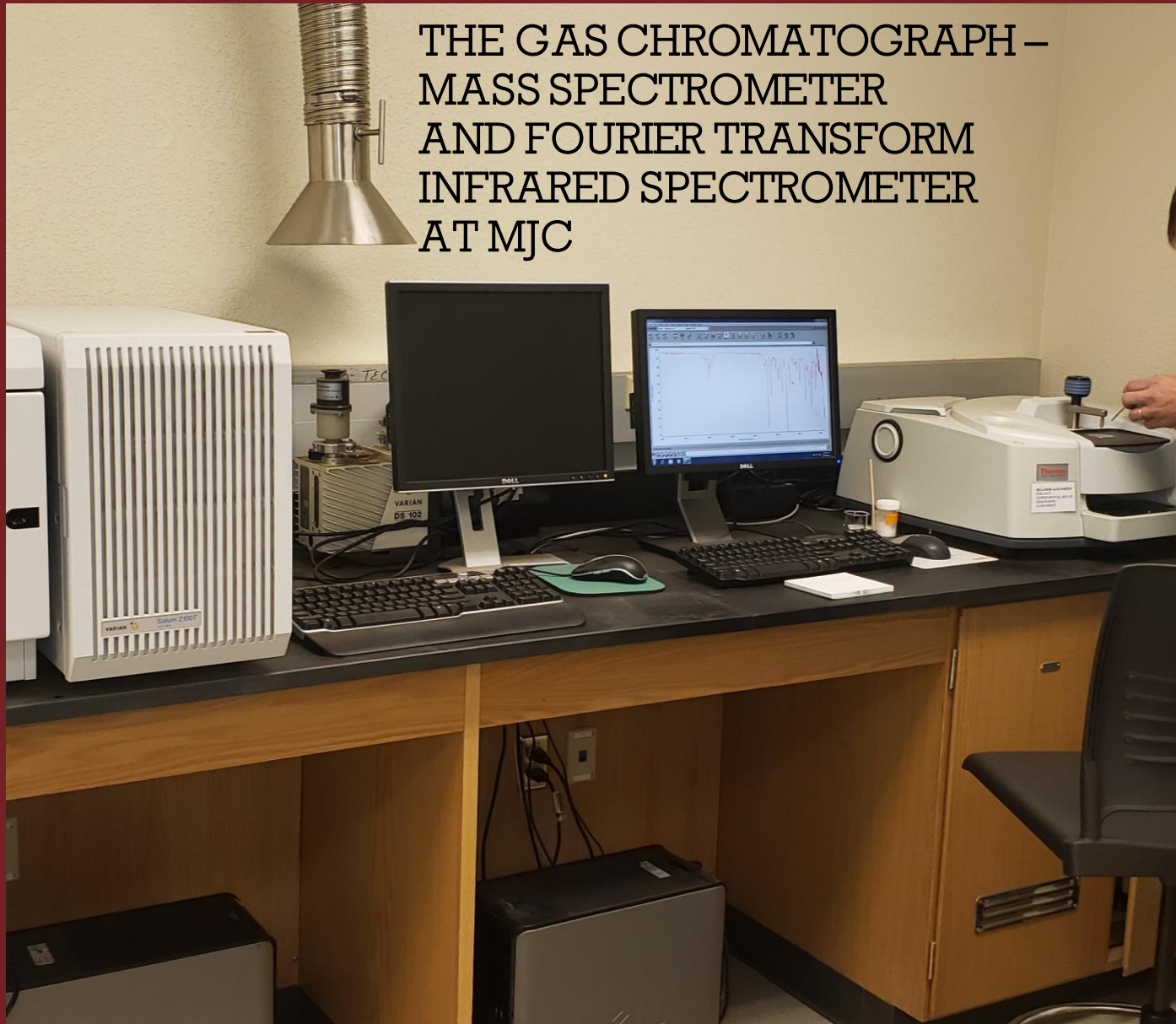
PROMOTING EQUITY

FILLING THIS POSITION WILL ALLOW THE CHEMISTRY DEPARTMENT TO CONTINUE OUR WORK TOWARD MEETING OUR EQUITY GOALS OF INCREASING ACCESS FOR MINORITY STUDENTS, AS WELL AS INCREASING THE NUMBER OF STUDENTS WHO EITHER TRANSFER TO A FOUR-YEAR SCHOOL, OR OBTAIN EMPLOYMENT.



THE GAS CHROMATOGRAPH –
MASS SPECTROMETER
AND FOURIER TRANSFORM
INFRARED SPECTROMETER
AT MJC

BY GIVING
STUDENTS HANDS-
ON EXPERIENCE WE
HELP THEM GAIN
EQUITY
IN BOTH EDUCATION
AND
THE WORKFORCE.



STUDENT-FOCUSED
EDUCATION THAT
LEADS TO
COMPLETION



EXTRAORDINARY, HOLISTIC
TEACHING!

