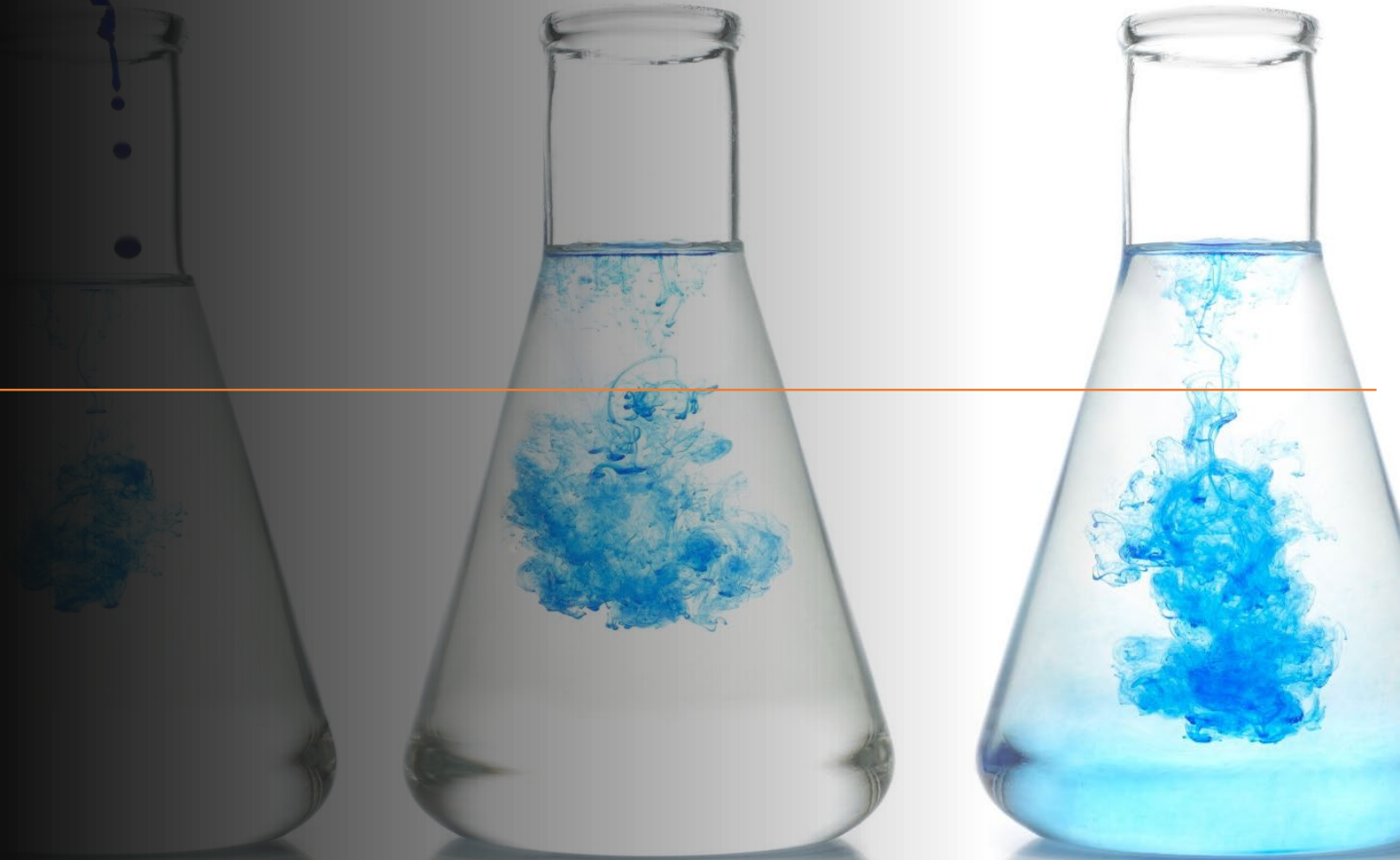


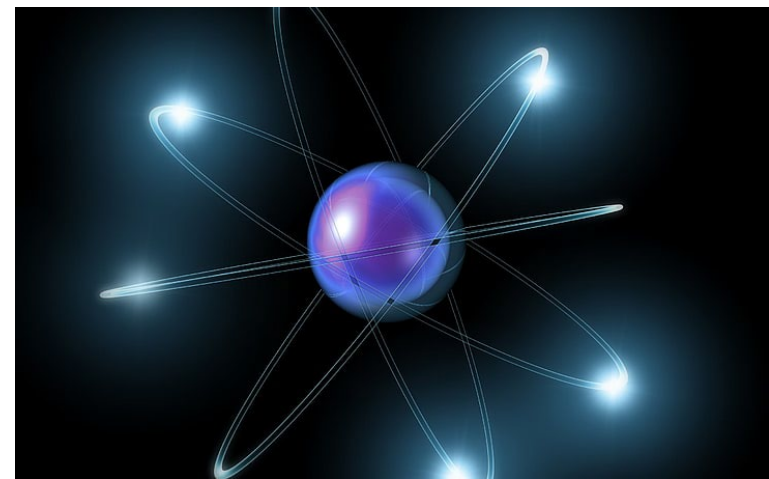
Chemistry

New position proposal



Chemistry Institutional Effectiveness

- Success rates – Organic chemistry typically exceeds college-wide success rates, other courses vary
- Retention rates – retention rates are a bit lower than average, but with very high enrollment per section and high faculty loads
- Full time faculty = 5, 62.50%, all with overloads, one at over 200%
- Part time faculty = 3
- Program/curriculum review – up to date



Workforce Need

- High demand for courses in the program
 - Waitlists for Chem 101 and 143
 - Fill rates of 100% or greater
- Required courses for nursing admissions, other healthcare programs, and STEM majors
- General education courses required for transfer
- Analytical chemistry technician programs, a high need in the area, and we have the equipment for it



Community Need

- Outreach
 - Science Night
 - Chem demos
 - MAPS and other community events
 - Could expand with more faculty and lower loads





Outlook for Chemistry Program and Courses

- Anticipated continued high demand for courses
 - Some chemistry sections already full for Spring 2023 with waitlist
- Chemistry supports many other programs, providing general education and pre-requisite courses
- Increased demand for pre-nursing requirements = higher demand

24/0 Wait/1

24/0 Wait/7

24/0 Wait/7

24/0 Wait/9

24/0 Wait/12

24/0 Wait/19

24/0 Wait/19

24/0 Wait/22

IOR and other criteria



High Demand



Equity

decreased loads
more focus on
equitable practices
high use of OER



Access

increase numbers of
students who can
take required
courses
outreach to bring in
new students



Underserved Populations

more time for
development of
programs that meet
needs



Completion

decrease time to
completion
increase students
who can complete
pre-requisites and
programs

Summary

- High demand, high productivity
- Continue with high number of STEM Students
- More students go on to nursing programs
- Increase FTES and focus on equity and outreach
- Expansion of current offerings and offering new programs needed in Stanislaus County