

College of Sciences Top Tier Strategic Plan: 2020-2025

Executive summary

The College's Strategic Plan includes both ongoing and future initiatives to increase our upward trajectory to achieve our Top Tier goals. Our initiatives align with UNLV top tier goals, with a five-year plan that emphasizes critical goals that cut across initiatives.

Initiatives

Initiatives are organized into the following five focus areas, outlined in the subsequent sections:

Critical Goals for 2020

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- Increase passage rates in Math 120, for general education requirements
 - Math Learning Center transferred to COS, now Department of Mathematic Science, collaborating in co-requisite development
 - Prior: Math 95 was a pre-requisite for Math 120
 - * Spring 2017: Math 95 became co-requisite for Math 120
 - * Fall 2019: passage rates improved by 25% across all sections.
 - Increase passage rates in Math 124, for general education requirements
 - Spring 2020: Math 96 is a pre-requisite for Math 124
 - Fall 2021: co-requisites required for all Math 120, 124 students
 - Continuing co-requisite courses scheduled every semester

- First step to support improved passing rates for Engineering students
 - Recruit Engineering faculty to teach Math 181 section for COE students
 - COE Math sections highlight importance of math foundations
 - Recognize the importance of math for COE students

Recognize the importance of math for COE students

Nevada Institute of Personalized Medicine (<https://www.unlv.edu/nipm>)

* Cross-department area to add:

Hydrology site that includes both in geology and biology

- Support high-quality research area descriptions that emphasize group strengths and shared resources on COS unit websites

