

Figure 1: This graph shows the change in FTES for each STEM discipline referenced to Spring 2019. In the entire college, only Spanish, Arabic, Real Estate, and Exercise Science have similar growth. The line weight is average program FTES (emphasizing how much bigger Math and Biology are, for instance. Physics and Astronomy has seen steady, sustainable growth since the pandemic. We attribute this growth to our extreme responsiveness to student needs on instructional practices, policies, and modalities.

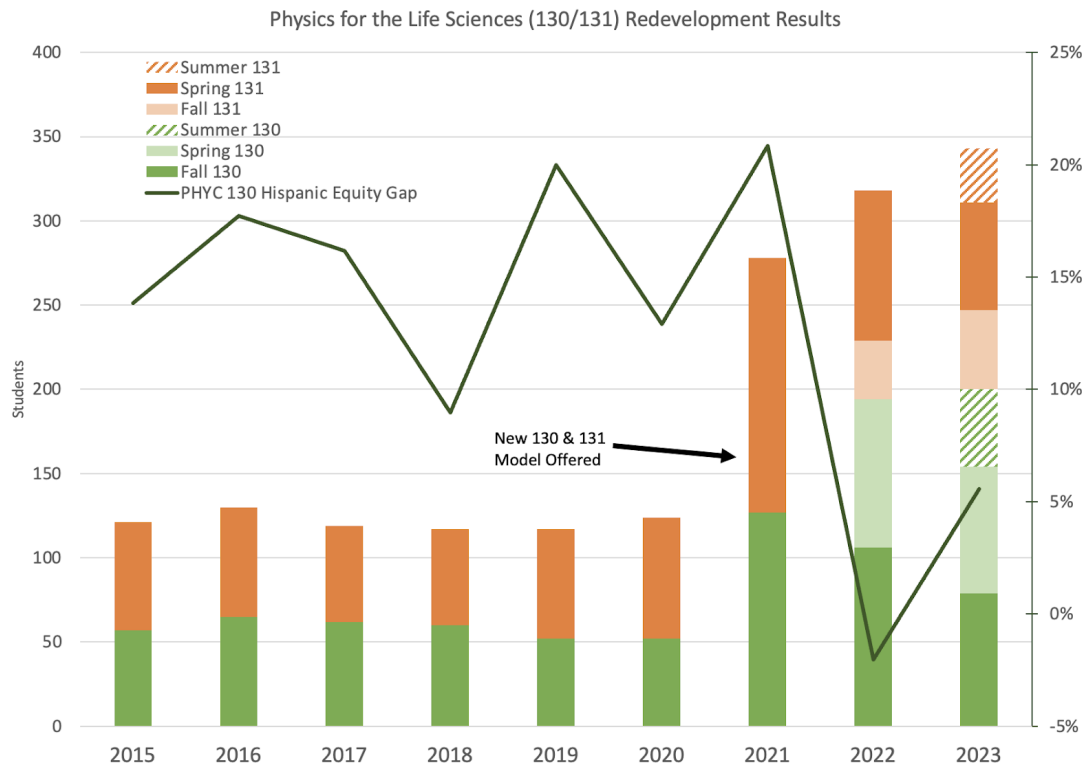


Figure 2: Massive increase in students for our Physics 130/131 series paired with a drop to near zero for our equity gaps for hispanic students (which has long been our most prominent equity gap). Keep in mind that the current model is primarily online as well, making the equity numbers particularly stunning. We fully redeveloped this course during the pandemic to make it online including the labs, significantly more customized to student needs. Both courses have recently been POCR certified and our now on the online exchange.

Physics Enrollment

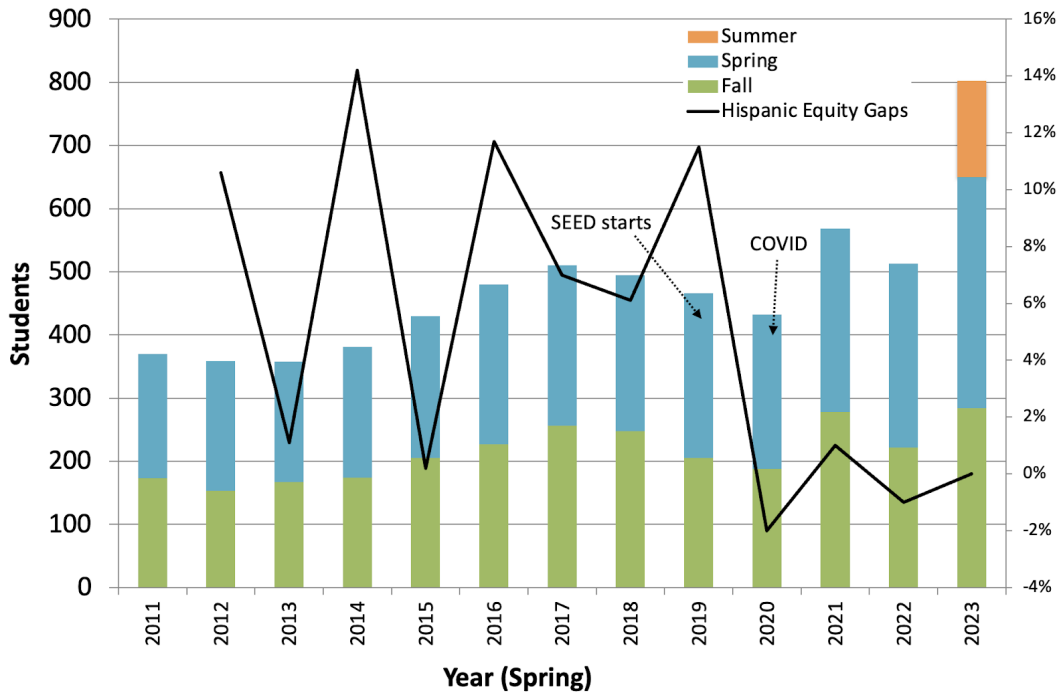


Figure 3: The growth vs equity gaps for all of physics. We have seen change in ALL physics courses while closing equity gaps for our most impacted student populations thanks to our dedication to professional development through EMTLI and SEED. As we redevelop our other series and add a general education course designed for an online format, we expect this growth to continue.

Physics Gender Distribution

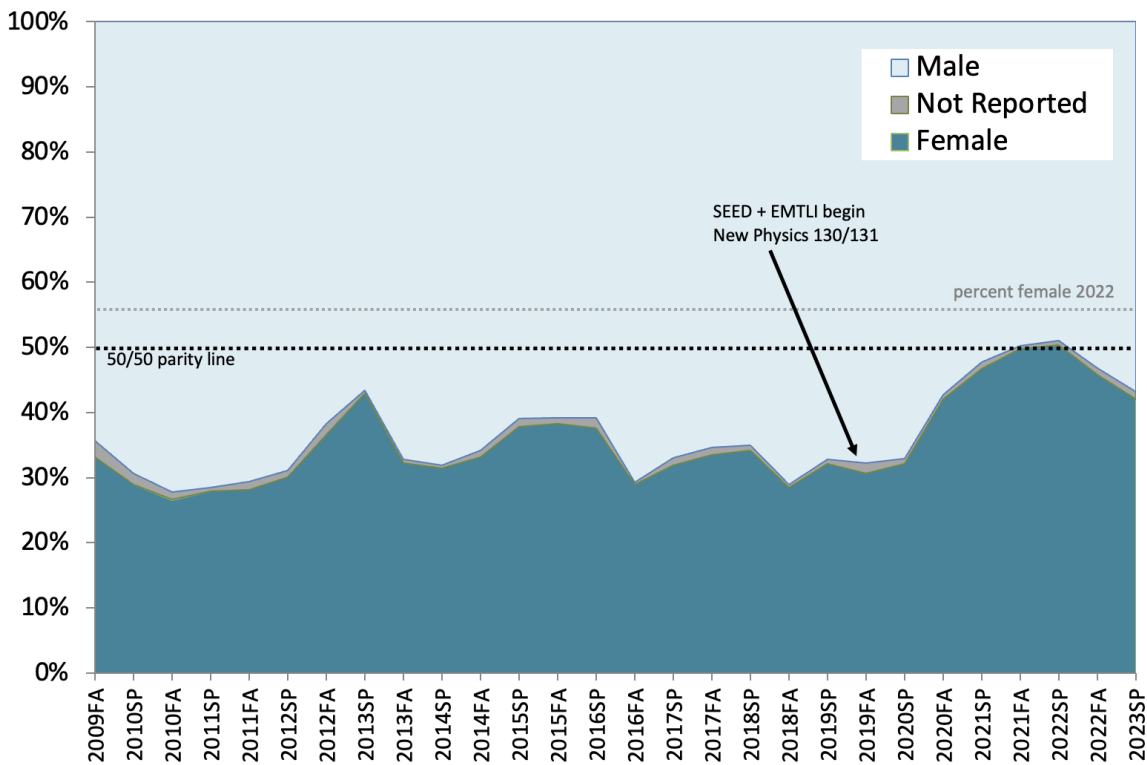


Figure 4: Finally made some progress on gender.