



## Computing Recommendations and Requirements for Music Technology at the School of Music and Dance

To participate effectively in music technology degree programs students must have extensive access to specific computer-based music applications and tools to produce homework and related assignments. Assignments across the music technology curricula assume this capability. To this end, it is recommended that undergraduate music technology majors own personal laptop computers. For graduate students, owning a laptop computer is even more essential and, therefore, is required.

Generally, students should expect to spend between \$1500 and \$3000 on a new laptop computer with accessory components. Additional software costs will vary depending on the specific degree program. Please note that the average lifecycle for a laptop computer is 3-4 years. Computing applications and requirements may change over the course of a student's college career. Undergraduate and doctoral students particularly may need to be prepared for the possibility of an upgrade to their initial computer prior to graduation.

Educational discounts are available through the Apple website for University of Oregon students.

• **The Bachelor of Science, Music Technology Option** recommends a macOS laptop computer. The following are suggested laptop minimums:

14"+ display size  
M1-M3 Processor  
GB Unified Memory 512GB SSD Storage  
Protective sleeve or carrying case to transport the laptop safely

It is also suggested that students purchase the following external components:

External monitor, 22" +  
External hard drive (1-2 terabytes) for data backups

Required software includes: Apple's Logic (current version) and Cycling74's Max (current version)

• **The Master of Music in Intermedia Music Technology** requires a macOS laptop computer. The following are minimum laptop requirements:

14"+ display size  
M1-M3 Processor  
GB Unified Memory 512GB SSD Storage  
Protective sleeve or carrying case to transport the laptop safely

It is also suggested that students purchase the following external components: External monitor, 22" +

External hard drive (2-3 terabytes) for data backups

Required software includes: Apple's Logic (current version) and Cycling74's Max (current version)

• **The Doctor of Philosophy in Data-driven Music Performance and Composition and the Doctor of Musical Arts in Performance of Data-driven Instruments** requires a macOS laptop computer. The following are minimum laptop requirements; however, because this degree is predicated on real-time computing, obtaining a laptop with the fastest possible processor speeds and a solid-state drive is considered vital.



14"+ display size  
M1-M3 Processor  
GB Unified Memory 512GB SSD Storage  
Protective sleeve or carrying case to transport the laptop safely

It is also suggested that students purchase the following external components:

External monitor, 22" +  
External hard drive (2-3 terabytes) for data backups Professional-quality audio interface  
Required software includes: Cycling74's Max (current version)