Course sequencing for Photonics MS students

1st year students

Fall
1. PHYS 620 Research and writing in physical disciplines – 3 credits
2. PHYS 616 Applied Electrodynamics – 4 credits
3. PHYS 637 Modern Optics – 4 credits
   Total: 11 credits

Spring
1. PHYS 626 Applied Quantum Mechanics – 4 credits
2. PHYS 661 Computational methods in Physics – 4 credits
3. PHYS 672 Photonics Lab – 2 credits
   Total: 10 credits

Summer
Internship – 2 credits
Year Total: 23

2nd year students

Fall
1. PHYS 671 Modern Physics Lab (or PHYS 673 or 771, 772, 773) 2 credits
2. PHYS 646 Physics of semiconductors – 4 credits
   Total: 9 credits

Spring
1. PHYS 621 Optoelectronics – 3 credits
2. PHYS 623 Principles of telecommunications – 4 credits (or PHYS 675 or 676 or 622)
3. PHYS 798 Final Project (Thesis) – 4 credits
   Total: 11 credits

Year total: 20 credits
Grand total: 43 credits