

## 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

### 2<sup>nd</sup> 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
3. Phys 699 Introduction to Management of Scientific and Engineering Projects – 3 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