**Theoretical Physics**

- **First Year**
  - **Fall**: MATH 1104 Linear Algebra, PHYS 1001 Foundations of Physics I
  - **Winter**: MATH 1005 Differential Equations and Infinite Series, PHYS 1002 Foundations of Physics II

- **Second Year**
  - **Fall**: MATH 2107 Linear Algebra II (May be taken in summer or in the 2nd year), PHYS 2604 Modern Physics I
  - **Winter**: MATH 2004 Multivariable Calculus for Engineering or Physics, PHYS 2305 Electricity and Magnetism

- **Third Year**
  - **Fall**: MATH 3705 Mathematical Methods I, PHYS 3007 Third Year Physics Laboratory
  - **Winter**: PHYS 3086 Advanced Dynamics, PHYS 3308 Electromagnetism, PHYS 3308 Electromagnetism (Prerequisite)

- **Fourth Year**
  - **Fall**: PHYS 3807 Mathematical Physics I, PHYS 3902 Advanced Quantum Mechanics
  - **Winter**: PHYS 4099 (full year project) or PHYS 4090 + PHYS 4xxx, PHYS 4097 Thermodynamics and Statistical Physics

- **Electives**
  - 2.0 credits in Approved courses outside the faculties of Science and Engineering and Design, one of which can be NSCI 1000
  - Plus, 1.0 credit in free electives

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Note:
- Dashed connecting lines indicate concurrent prerequisite.
- Some Experimental Science, COMP, ELEC and MATH, and many elective courses are also offered in summer, which may help to reduce your course load in the Fall and Winter terms.