

Programme Name	Master of Science (Physics)
Programme Description	<p>The Master of Science in Physics programme provides the candidate with knowledge, general competence, and analytical skills on an advanced level, needed in industry, consultancy, education, research, or public administration.</p> <p>The work with the Master Thesis gives special expertise within one of the research areas represented at the Department of Physics: Nuclear and Particle Physics, Material Physics, Energy and Environmental Physics, Optics and Condensed Matter Physics, and Atomic.</p>
Majors	Physics
Minimum Requirements	<p>The minimum entry requirement for postgraduate programmes is grade point average of 3/5 that is letter grade B and above in BSc or equivalent.</p> <p>Students with Post Graduate Diploma in Physics are given lateral entry at Year 2.</p> <p>Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.</p>
Duration	Two Years
Programme Type	Master of Science
College Name	College of Pure Sciences
Campus	Lautoka
Credit Points	240

Programme Structure		
Course Code	Course Title	Credit Points
	Year 1 Semester 1	
PHY801Sem	Research Methods in Physics (Compulsory)	20
PHY803Sem	Advanced Nuclear Physics	Any 2×20
PHY805Sem	Radiation Measurements and Protection	
PHY806Sem	Quantum Mechanics	
	Year 1 Semester 2	
PHY804 Sem	Physics of Photovoltaic Devices, Technology and Systems	Any 3×20
PHY807 Sem	Semiconductor Physics and Devices	
PHY808Sem	Plasma Physics	
PHY802Sem	Atomic and Molecular Physics	
PHY809Sem	Physics of Materials	

		120
	Year 2 Semester 1	
	Option 1 with major project	
PHY901Sem	MSc Research Project (Major) in Physics	60
	Year 2 Semester 2	
PHY90Sem1	MSc Research Project (Major) in Physics	60
	Year 2 Semester 1	
	Option 2 with minor project	
PHY902Sem	MSc Research Project (Minor) in Physics	30
PHY903Sem	Atmospheric and Environmental Physics	Any
PHY904Sem	Power Electronics	1 or 2 × 20
	Year 2 Semester 2	
PHY902Sem	MSc Research Project (Minor) in Physics	30
PHY905Sem	Physics of Solar Thermal Processes and Devices	Any
PHY906Sem	Laser Physics and Optics	2 or 1
PHY907Sem	Astrophysics and Cosmology	× 20
	Total Credit Points	240

Course Prerequisite

Course Code	Course Title	Prerequisite
PHY801 SEM	Research Methods in Physics	Pass in any 3 BSc year 3 Physics Units
PHY802 SEM	Atomic and Molecular Physics	Pass in any 3 BSc year 3 Physics Units
PHY803 SEM	Advanced Nuclear Physics	Pass in any 3 BSc year 3 Physics Units
PHY805 SEM	Radiation Measurements and Protection	Pass in any 3 BSc year 3 Physics Units
PHY806 SEM	Quantum Mechanics	Pass in any 3 BSc year 3 Physics Units
PHY804 SEM	Physics of Photovoltaic Devices, Technology and Systems	Pass in any 3 BSc year 3 Physics Units
PHY807 SEM	Semiconductor Physics and Devices	Pass in any 3 BSc year 3 Physics Units
PHY808 SEM	Plasma Physics	Pass in any 3 BSc year 3 Physics Units
PHY809Sem	Physics of Materials	Pass in any 3 BSc year 3 Physics Units
PHY901Sem	MSc Research Project (Major) in Physics	Pass in any 3 BSc year 3 Physics Units
PHY902Sem	MSc Research Project (Minor) in Physics	Pass in any 3 BSc year 3 Physics Units
PHY903Sem	Atmospheric and Environmental Physics	Pass in any 3 BSc year 3 Physics Units
PHY904Sem	Power Electronics	Pass in any 3 BSc year 3 Physics Units
PHY905Sem	Physics of Solar Thermal Processes and Devices	Pass in any 3 BSc year 3 Physics Units
PHY906Sem	Laser Physics and Optics	Pass in any 3 BSc year 3 Physics Units
PHY907Sem	Astrophysics and Cosmology	Pass in any 3 BSc year 3 Physics Units