

In order to check what you need to graduate with Physics as a major in your curriculum, have a look at the following guide.
NOTE: Please refer to the College Handbook for all rules pertaining to any modules. Should you have any enquiries about your degree structure please make an appointment at our Central Teaching Office to meet with one of our Directors of Studies.

Physics Major

Level 1

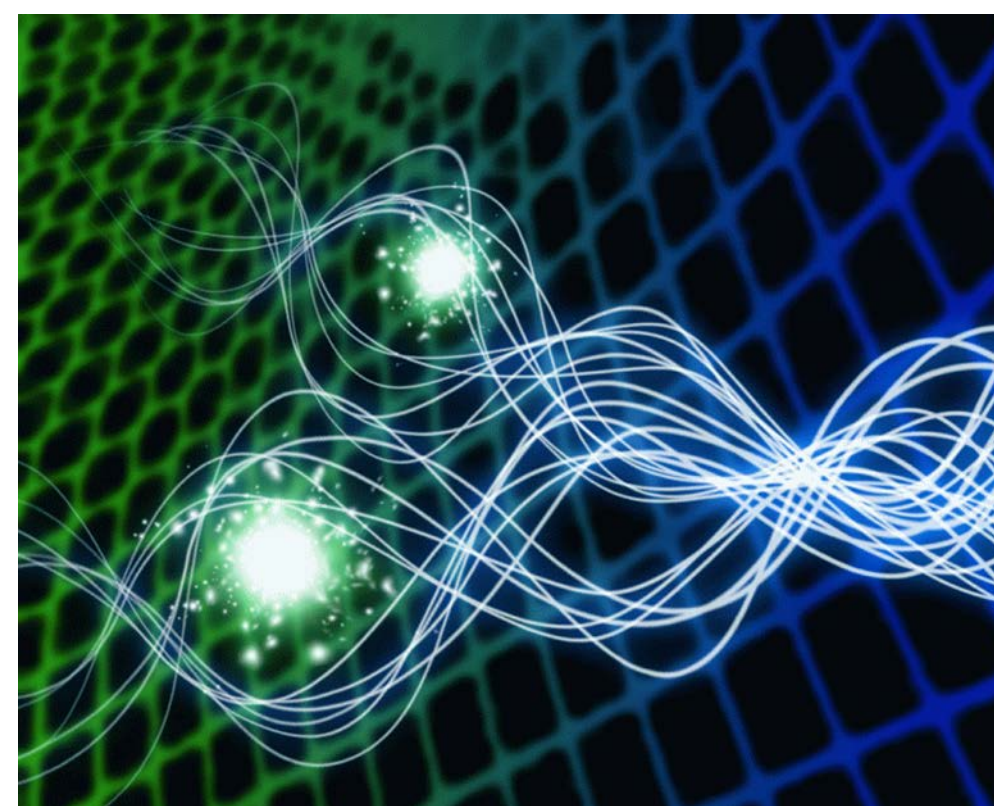
Semester I		Semester II		Electives can be chosen freely but must be consistent with second major choices at Level 2 and Level 3. Suggestions for electives are: Chemistry, Statistics, Computer Science, and Economics NOTE: Maximum of 160 L1 credits can be used for degree
Course	Credit	Course	Credit	
PHYS 110	16	PHYS 120	16	
MATH 130	16	MATH 140	16	
Elective	16	Elective	16	
Elective	16	Elective	16	

Level 2

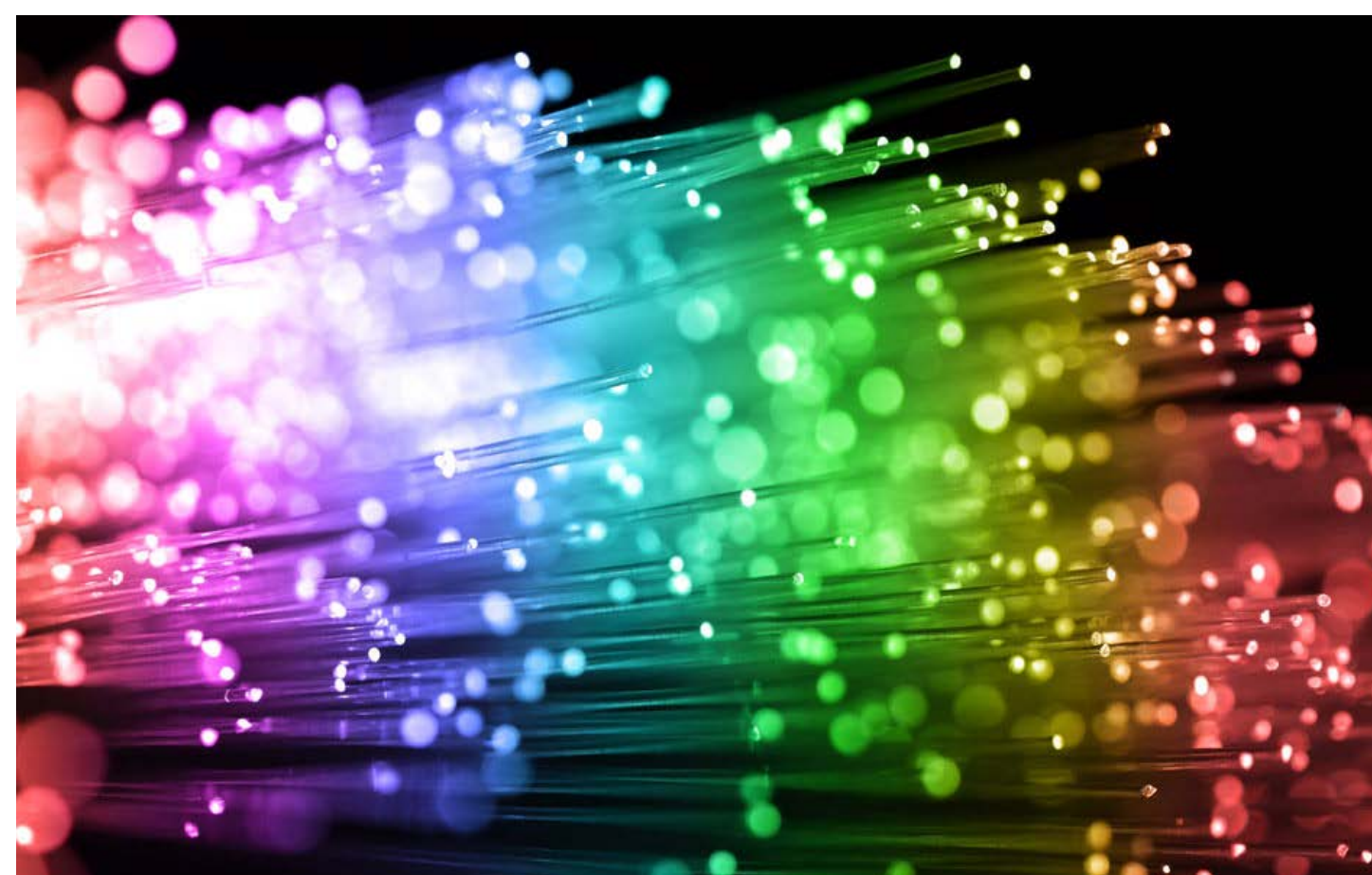
Semester I		Semester II		✓ PHYS 110 & PHYS 120 must be passed. ✓ MATH 130 and MATH 140 must also be passed. ✓ PHYS 263 is a pre-requisite for Level 3 Physics, CPHY 212 is strongly recommended. Note: Minimum of 96C must be obtained at Level 2.
Course	Credit	Course	Credit	
PHYS 211	16	PHYS 212	16	
PHYS 263	16	Elective	16	
Major	16	Major	16	
Elective	16	Elective	16	

Level 3

Semester I		Semester II		✓ PHYS 211, 212 and 263 must be passed. CPHY 212 is strongly recommended. ✓ All Level 3 Physics modules have a computational component. A Computational Physics co-major will become available in 2019. Note: Minimum of 128C must be obtained at Level 3
Course	Credit	Course	Credit	
PHYS 361	16	PHYS 367	16	
PHYS 365	16	PHYS 368	16	
Major	16	Major	16	
Major	16	Major	16	



NOTE: The School recommends that those students that need to do an approved isiZulu module (See handbook rule BR9) should consider doing this during their second year of studies.



Physics with Honours

Level 4 – Honours year

Semester I		Semester II	
Course	Credit	Course	Credit
PHYS 721	16	PHYS 752	32
PHYS 741	16	PHYS 792	16
PHYS 791	16		

PHYS 735 is a year long project worth 32 credits.

At postgraduate level (MSc and PhD) you choose to specialize in any one of the various fields that are offered:

- *Quantum mechanics*
- *Molecular Optics*
- *Biomedical physics*
- *Statistical mechanics*
- *Solid state physics*
- *Theoretical physics*
- *Computational physics*