



# University of Pretoria Yearbook 2016

## Carbohydrate metabolism 252 (BCM 252)

**Qualification** Undergraduate

**Faculty** [Faculty of Natural and Agricultural Sciences](#)

**Module content** Biochemistry of carbohydrates. Thermodynamics and bioenergetics. Glycolysis, citric acid cycle and electron transport. Glycogen metabolism, pentose-phosphate pathway, gluconeogenesis and photosynthesis. Practical training in study and analysis of metabolic pathways and enzymes. Scientific method and design: Hypothesis design and testing, method design and scientific controls.

**Module credits** 12.00

**Programmes** [BDietetics Dietetics](#)

[BSc Biochemistry](#)

[BSc Biological Sciences](#)

[BSc Biotechnology](#)

[BSc Chemistry](#)

[BSc Ecology](#)

[BSc Entomology](#)

[BSc Food Management \(4 years\)](#)

[BSc Food Science](#)

[BSc Genetics](#)

[BSc Human Genetics](#)

[BSc Human Physiology](#)

[BSc Human Physiology, Genetics and Psychology](#)

[BSc Medical Sciences](#)

[BSc Microbiology](#)

[BSc Nutrition](#)

[BSc Physics](#)

[BSc Plant Science](#)

[BSc Zoology](#)

[BScAgric Animal Science](#)

[BScAgric Animal Science: Pasture Science](#)

[BScAgric Food Science and Technology](#)



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<b>Service modules</b>	Faculty of Education
	Faculty of Health Sciences
<b>Prerequisites</b>	[CMY117 GS] and [CMY127 GS] and [MLB111 GS]
<b>Contact time</b>	90 minute practical per week, 2 lectures per week
<b>Language of tuition</b>	Double Medium
<b>Academic organisation</b>	Biochemistry
<b>Period of presentation</b>	Semester 1

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