Veterinary Technology

Achieve your life-long dream of developing vaccines or treatment for animals suffering from diseases or working with animals in the veterinary, aquaculture and wildlife conservation, pet, animal theme park and scientific research communities.

Get a head start by assisting in real life animal sterilisations at TP's licenced TP Animal Clinic and, through our unique collaboration with Mount Pleasant Veterinary Group (2008) Pte Ltd and other animal hospitals, you will be clinically trained in all aspects of veterinary practice. With our intensive and practical training, you will graduate as a technically competent and much sought-after veterinary technologist.

Other than veterinary diagnostics, surgery and anaesthesia assistance, animal nutrition and health, aquaculture and bio conservation, you will also learn about molecular and cellular techniques as well as humane care and use of laboratory animals for scientific and veterinary research. Moreover, the growing importance of aquaculture for food productivity and for meeting the local consumer needs for seafood and fish, will ensure your expertise will be very much in demand in the years ahead. Your technical competency is further honed through a minimum six-month internship either locally or overseas in animal facilities and research institutions, animal or conservation parks, veterinary hospitals/ clinics and other animal-related organisations.

Career Opportunities

Our graduates can work in scientific research, wildlife and marine conservation parks, aquaculture, pet service and related industries, or the veterinary centres. You may be employed as a veterinary technologist in veterinary clinics/ hospitals, or as an animal welfare education officer/ assistant, animal health inspection assistant or animal care and management officer in animal welfare organisations.

Graduation Requirements

Cumulative Grade Point Average : min 1.0
TP Fundamentals Subjects : 40 credit units
Diploma Subjects
  Core Subjects : 71 credit units
  Elective Subjects : min 9 credit units
Total Credit Units Completed : min 120 credit units

Application

Apply during the Joint Admissions Exercise following the release of the GCE O Level results. For other categories of local applicants, please refer to the section on “Admission and Requirements”. For international students, please refer to the section on “Information for International Students”.

Entry Requirements for Singapore-Cambridge GCE O Level Qualification Holders

To be eligible for consideration for admission, applicants must obtain 26 points or better for the net ELR2B2 aggregate score (i.e. English Language, 2 relevant subjects and best 2 other subjects, including CCA Bonus Points) and meet the minimum entry requirements of this course. CCA cannot be used to meet the minimum entry requirements.

For details on GCE O Level Minimum Entry Requirements, refer to page 6.

Course Structure

TP FUNDAMENTALS (TPFun) SUBJECTS			
SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
ACS1005	Communication & Information Literacy (IComm)	1	2
ACS1006	Workplace Communication (WkComm)	1	2
ACS1007	Persuasive Communication (PComm)	1	2
AGS1002	Global Studies	1	3
AGS1003	Managing Diversity at Work*	1	3
AGS1004	Global Citizenship & Community Development*	1	3
AGS1005	Expressions of Culture*	1	3
AIN1001	Innovation & Entrepreneurship	1	2
GCC1001	Current Issues & Critical Thinking	1	2
LEA1011	Leadership: Essential Attributes & Practice 1	1	1
LEA1012	Leadership: Essential Attributes & Practice 2	1	1
LEA1013	Leadership: Essential Attributes & Practice 3	1	1
LSW1002	Sports & Wellness	1	2
MCR1001	Career Readiness 1	1	1
MCR1002	Career Readiness 2	1	1
MCR1003	Career Readiness 3	1	1
TGL1001	Guided Learning	1	3
ASI3030	Student Internship Programme	3	16

** Students must choose one of these three subjects or TGL1001 Guided Learning.*

DIPLOMA SUBJECTS – CORE SUBJECTS

SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
ABM1004	Basic Microbiology	1	3
ABT1003	Biomolecules	1	5
ACH1009	Principles of Inorganic Chemistry 1	1	4
AMA1004	Statistics for Applied Science	1	3
AVT1004	Wildlife Ecology & Conservation	1	2
AVT1006	Animal Anatomy & Physiology	1	4
AVT1007	Animal Nutrition, Feeds & Feeding	1	4
AVT1008	Developmental Biology	1	3
AVT1009	Animal Care, Husbandry & Behaviour	1	3
AVT2006	Veterinary Immunology	2	3
AVT2009	Veterinary Pharmacology & Toxicology	2	3
AVT2012	Molecular & Cell Technology	2	4
AVT2016	Animal Diseases & Clinical Pathology	2	4
AVT2017	Aquatic Care, Health & Diseases	2	3
AVT2018	Clinical Diagnostic Techniques	2	4
AVT2019	Clinical Practicum	2	3
AVT2020	Surgery, Anaesthesia & Veterinary Practices	2	4
AVT2021	Molecular Genetics & Genomics	2	4
AMP3011	Major Project	3	8

DIPLOMA SUBJECTS – ELECTIVE CLUSTER SUBJECTS

Students will be required to read an Elective Cluster offered by the School and complete a minimum of 9 credit units. The Elective Cluster to be offered by the course, and the subjects under this Cluster, are summarised below.

SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
<u>Veterinary</u>			
AVT3010	Animal Breeding & Reproduction	3	4
AVT3011	Laboratory Animal Science & Technology	3	5
<u>Aquaculture</u>			
AVT3012	Aquaculture Product Quality & Safety	3	4
AVT3013	Aquaculture Technology	3	5