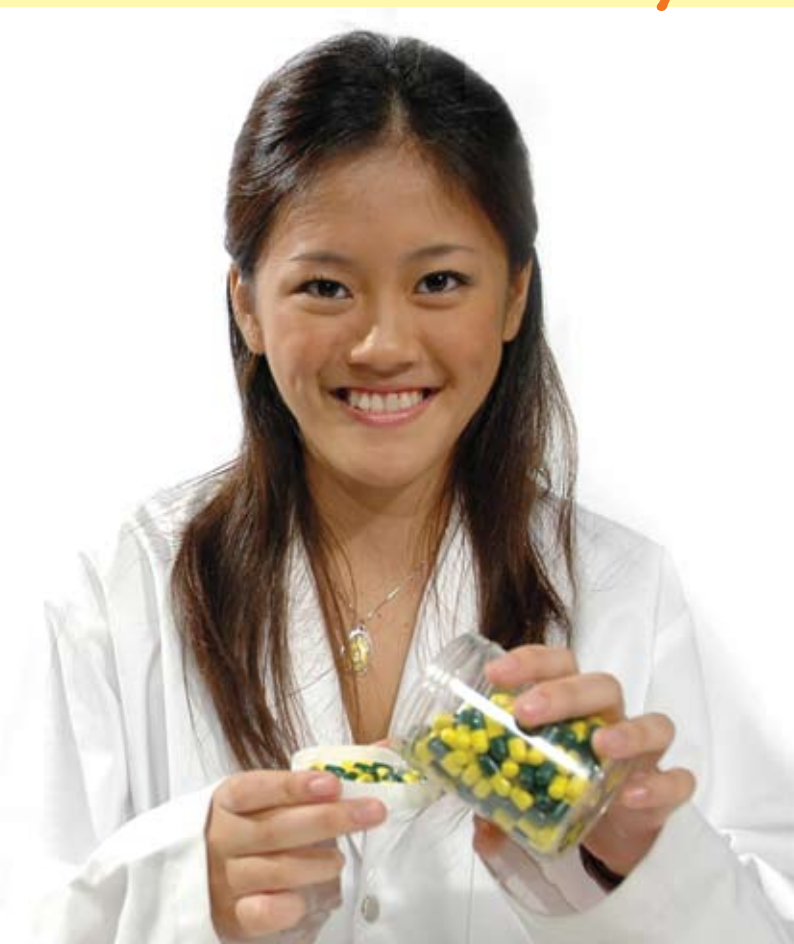


Take off with our hands-on industry-relevant diplomas!



Pharmaceutical Science

"We learn all about the discovery and development of new drugs and therapies. It encompasses the knowledge and skills required to design, analyse, manufacture and market new therapies for cancer and infectious diseases to benefit mankind."

Elora Tan

Why choose this course?

- ✓ TP was the first polytechnic in Singapore to offer this specialisation in 2001
- ✓ Collaborative training with industries
- ✓ Emphasis on quality, safety, service and life-long learning
- ✓ Student internship cum major project in relevant industries (local and overseas)



Applied Food Science & Nutrition

"This course teaches students to create a safe food product with a healthier twist!"

Cheryl Tan

Baking & Culinary Science

"A fusion of traditional baking and culinary arts with modern science and technology."

Martin Tan



Biomedical Science

"We develop novel ways to diagnose, treat and prevent diseases."

Povaneswari D/O Shanmugam

Biotechnology

"We analyse and manipulate DNA to find novel solutions for cancer and genetic and infectious diseases."

Chloe Tan



Chemical Engineering

"We bring creations from the laboratory to the world!"

Kuah Tong Hock

Veterinary Technology

"We assist veterinarians in animal healthcare."

Stacia Yeo



Our Innovative Projects Get The Thumbs Up!

First Prize

@ SIFST Quiz Bowl 2007

Prize included trip to 10th ASEAN Food Conference in KL

Diploma in Applied Food Science & Nutrition

Organised by Singapore Institute of Food Science & Technology



IBN Promising Young Researcher Award

@ IBN-A*STAR Youth Research Programme

Project: Nano-structured Cationic Polymers for Gene Delivery

Diploma in Biomedical Science

Organised by Institute of Bioengineering & Nanotechnology and A*STAR



First Runners-Up

@ Young Marine Biologist Award 2007

Theme: Global Warming & Its Impact on Marine Environment

Diploma in Biotechnology

Organised by Underwater World Singapore



Certificate of Distinction

@ SSBMB Essay Competition 2007

Topic: Can Science Provide the Answer to a Shortage of Organ Donors?

Diploma in Biotechnology

Organised by Singapore Society for Biochemistry & Molecular Biology



Silver Award

@ Singapore Junior Water Prize Student Poster Competition 2007

Project: Portable Water Treatment Device for Natural Disasters

Diploma in Chemical Engineering

Organised by Lien Foundation and Ngee Ann Polytechnic and supported by the Public Utilities Board



Commendation Award

@ Tan Kah Kee Young Inventors' Award 2007

Project: Harnessing Heat Energy from Kitchen's Stove

Diploma in Chemical Engineering

Organised by Tan Kah Kee Foundation, A*STAR and the Defence Science & Technology Agency (DSTA) with the support of the Science Centre Singapore (SCS)



Industry Consultancy Projects

Students get involved too!

Developing Recipes Incorporating Quaker Oats

Industry Partner: Quaker Oats Company



Treatment of Ink-contaminated Water in a Recirculating Aquaculture System

Industry Partner: Hewlett-Packard Singapore (Private) Limited



Overseas Student Internship Programmes

Australia

Pacific Food Industries Pty Ltd

Applied Food Science & Nutrition Project:

To Assist in the Product Development of Ready-to-eat Sauces

"It was an enriching experience to be able to apply and relate my food science knowledge to developing Asian sauces and condiments in the land of kangaroos!"

Sherrilyn Ng Yun Ting



Australia

Saturn Biotech Limited

Biotechnology Project:

Use of Protein Markers for Identification and Typing of Plants



Australia

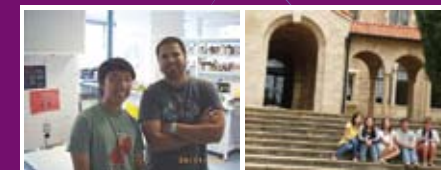
University of Western Australia

Biotechnology Project:

Analysis of Gene Expression in Stem Cells Found in the Nose

"I would definitely encourage students to sign up for OSIP. It is not every day that we get this chance to work, live and experience an unfamiliar culture overseas."

Michael Koh



Malaysia

Ranbaxy (M) Sdn Bhd

Pharmaceutical Science Project:

Process Development and Validation of Risperidone Tablets



China

Beijing Datsing Bio-Tech Co. LTD.

Chemical Engineering Project:

Studies on the Production of Biodegradable Medical Devices

"OSIP was an unforgettable and fulfilling experience!"

Aw Zihao



China

Jiangnan University

Pharmaceutical Science Project:

Preparation and Pharmacodynamic Studies of Recombinant Human Brain Natriuretic Peptide



China

Nanchang University

Applied Food Science & Nutrition Project:

To Extract Dietary Fibre from Sweet Potato Residue and to Incorporate this into Various Baked Products

"I have improved my problem-solving skills. Being away from home, I've definitely learnt to be more independent and gained more confidence too."

Joyce Toh Mei Yan



Overseas Community Projects

Cambodia

Baray & Phnom Penh

- To train locals to make sugar syrup from rice/tapioca/corn powder to get extra income
- To train locals to make their own energy-efficient stove so as to reduce fuel wood consumption



Northern Thailand

Chiang Mai

- To encourage students to participate in environmental conservation



CAREER WITH ASc DIPLOMAS

With the relevant diploma, you may embark on a rewarding career in the following industries:

Applied Food Science & Nutrition (AFSN)	Baking & Culinary Science (BCS)	Biotechnology (BIO)	Biomedical Science (BMS)	Chemical Engineering (ChE)	Pharmaceutical Science (PHS)	Veterinary Technology (VeT)
Nutrition / Healthcare	Food & Beverage	Biomedical Research	Healthcare	Chemical Processes	Healthcare / Marketing	Veterinary Research
<ul style="list-style-type: none"> Health Promotion Executive Dietetic Technologist Nutrition Educator Sales & Marketing Executive 	<ul style="list-style-type: none"> Baking Technologist Junior Chef Food Safety Officer Sales & Marketing Executive Entrepreneur 	<ul style="list-style-type: none"> R&D Technologist Scientific Officer Laboratory Biologist Sales & Marketing Executive 	<ul style="list-style-type: none"> Medical Technologist Sales & Marketing Executive R&D Technologist Forensic Technologist 	<ul style="list-style-type: none"> Process Technician Assistant Engineer Quality Control Officer Safety Officer Technical Sales Executive 	<ul style="list-style-type: none"> Pharmacy Technician Sales & Marketing Executive R&D Technologist 	<ul style="list-style-type: none"> Laboratory Animal Technologist Medical Research Technologist Technical Support Officer R&D Technologist
Food Technology	Food Consultancy	Agrotechnology (eg plant and animal centres)	Biomedical	Pharmaceutical Manufacturing	Pharma / Biopharma Manufacturing	Veterinary Services (eg AVA, zoos, animal hospitals and clinics)
<ul style="list-style-type: none"> Food Technologist (specialising in food product development) QA / QC Executive Food Hygiene Officer 	<ul style="list-style-type: none"> Junior Development Chef R&D Executive 	<ul style="list-style-type: none"> Technical Support officer Laboratory Technologist R&D Technologist 	<ul style="list-style-type: none"> R&D Technologist QA / QC Technologist Sales & Marketing Executive 	<ul style="list-style-type: none"> Process Technician Assistant Engineer QA / QC Executive 	<ul style="list-style-type: none"> Laboratory Analyst (QA / QC) Process Technologist R&D Technologist 	<ul style="list-style-type: none"> Veterinary Technologist Animal Welfare Educator AVA Officer (Technical) Sales & Marketing Executive
Refer to our website for information on further studies and accreditation!				Laboratory / Research Institutes	Regulatory	Pet Care
				<ul style="list-style-type: none"> Laboratory Technician / Officer Research Assistant 	<ul style="list-style-type: none"> Regulatory Executive Enforcement Executive Forensic Science Executive 	<ul style="list-style-type: none"> Pet Product Retailer Pet Shop Support Officer Sales & Marketing Executive

UNIVERSITIES FOR ASc GRADUATES

AFSN Graduates	BCS Graduates	BIO Graduates	BMS Graduates	ChE Graduates	PHS Graduates	VeT Graduates
<ul style="list-style-type: none"> Singapore NTU, NUS, SMU Australia Curtin, Deakin Flinders, Newcastle, New South Wales, RMIT, Sydney United Kingdom King's College, Leeds, Reading, Surrey New Zealand Massey, Otago 	<ul style="list-style-type: none"> Discussions are underway to link up with Universities / Colleges that have strong expertise in baking and culinary science 	<ul style="list-style-type: none"> Singapore NTU, NUS Australia Australian National La Trobe, Monash, Melbourne, Murdoch, New South Wales, Sydney United Kingdom Birmingham, Griffith, Strathclyde, University College London 	<ul style="list-style-type: none"> Singapore NTU, NUS Australia New South Wales, Queensland, RMIT, Western Australia United Kingdom Birmingham, Manchester 	<ul style="list-style-type: none"> Singapore NTU, NUS Australia Adelaide, Curtin, New South Wales, Queensland, Melbourne, Western Australia United Kingdom Birmingham, Newcastle, University College London 	<ul style="list-style-type: none"> Singapore NTU, NUS Australia Queensland, South Australia, Western Australia United Kingdom Birmingham, Manchester 	<ul style="list-style-type: none"> Australia Melbourne, Murdoch, Queensland, Sydney New Zealand Massey

COURSE ENQUIRIES:

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Email: aschoffline@tp.edu.sg

Website: www-as.tp.edu.sg

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