

SCHOOL GRADUATE STORIES



Name: Codey Travers-Grantham
Degree: Bachelor of Engineering (Robotics & Mechatronics)
Year of degree: 3rd
Campus: Kingswood
High School: St Clair High School
Scholarships held: Commonwealth Education Costs Scholarship

Is the degree or course structure what you expected?

Yes, Robotics is very interesting. It includes studies of computers, electronics and mechanics. It is a challenging and rewarding course.

How is university different from school?

We have no uniform and more flexibility with our timetables. When we finish uni we have a degree and this provides us with great job opportunities.

How did high school help you in preparing for university?

My teachers helped me learn the importance of study and revision. They also provided me with a foundation for my learning to be built upon.

What is the most interesting thing you've done at university this year?

Studying and doing laboratory tests on electrical motors and generators has been interesting. The tests measure power, speed and torque. I now know how to design and build electrical motors and generators.

What are some of your achievements since you started university?

Obtaining a scholarship, being a guest speaker to inspire and motivate younger students into studying at university, learning valuable knowledge and joining the Army reserve.

Have your career aspirations changed since you began studying?

Yes, I always aim for higher, faster and stronger. I would like to do further study to become a doctor of philosophy (PhD) student and to teach/lecture engineering at university.

What advice would you give to students at your high school about pursuing university study?

Have a dream and go for it. Explore, dream and discover! Listen, study and respect your teachers. Always try and do everything to the best of your ability.

Why did you choose to study at UWS?

It has the course I wanted to study and it is close to home so that cuts down my travel time and expenses. It has tennis courts, basketball courts, gym, library, bookshop and cafeteria on site.

Any other comments or observations about university study?

University has been an awesome time of my life. I have made lots of new friends and learnt valuable knowledge.

Course Information



Bachelor of Engineering (Robotics & Mechatronics)

Where is it held (campus)?	Kingswood
How long is it?	4 years full time
Recommended studies:	Physics and HSC Mathematics Extension 1 or 2
Career opportunities:	Examples include: designing, developing and controlling automated machinery, designing mechanical equipment and systems, and marketing and management, manufacturing, packaging, materials handling, aerospace and mining, designing manufacturing solutions, processes and equipment, developing robotic devices to solve important health issues in the areas of diagnosis of body malfunction and the improvement of body movements.
Subjects include:	Mathematics for Engineers, Physics and Materials, Engineering Computing, Engineering and Design Concepts, Kinematics and Kinetics of Machines, Circuit Theory, Control Systems, Robotics, Mobile Robotics, Professional Practice, Industrial Experience.
UAI (2009)	68.00
Additional information:	A specialisation in Robotics and Mechatronics is concerned with automation and the design and construction of intelligent mechanical systems. The course includes an intensive hands-on laboratory program and provides skills necessary for the design of smart machines of all types, such as auto cruise control, pilot-less spacecraft, automated factories and medical tele-robotics. You will have access to the UWS robotic assembly system, one of the most advanced of its type and unique as a mechatronic engineering educational facility. With its advanced design incorporating three robots, machine vision and computer control, it represents the leading edge in precision assembly and provides excellent teaching and research opportunities.
For more information:	Visit the UWS website course information at http://future.uws.edu.au/