

# FORENSIC SCIENCE, TESTAMUR MAJOR (T049)

Western Sydney University Major Code: T049

Previous Code: MT3022

Available to students in other Western Sydney University programs?

No

The Forensic Science Major provides students with specialised expertise in forensic science including methods of forensic analysis, crime scene investigation, forensic photography, forensic investigation, and complex case studies. Career opportunities include forensic scientists, crime scene investigators, private investigators and consultants, police officers, drug analysts, researchers and academics, and specialised forensic science practitioners. The main employers of forensic scientists are State and Federal police services, State and Commonwealth Government Health Departments and analytical chemistry laboratories. Graduates will be versatile with a wide skills base with (depending on their choice of electives) potential for employment in analytical chemistry and microbiology, quality control and assurance, biochemistry and molecular biology, scientific research, education and the chemical industry. All students must complete 60 credit points of study at Level 3 to meet course requirements.

## Location

Campus	Mode	Advice
Hawkesbury Campus	Internal	Dr Val Spikmans (v.spikmans@westernsydney.edu.au)

## Recommended Sequence

All students must complete 60 credit points of study at Level 3 to meet program requirements.

Select the link for your program below to see details of the major

## Bachelor of Science

Qualification for the award of Bachelor of Science with a major in Forensic Science requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
MATH 1003	Biometry	10
CHEM 1008	Introductory Chemistry	10
NATS 1008	Forensic Science	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
NATS 1003	Digital Forensic Photography	10
CHEM 1012	Essential Chemistry	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2019	Forensic and Environmental Analysis	10
BIOS 2018	Genetics	10
NATS 2021	Imaging Science	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
NATS 2010	Crime Scene Investigation	10
CHEM 3010	Forensic Chemistry	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

NATS 2021	Imaging Science	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>

<b>Spring session</b>		
NATS 2010	Crime Scene Investigation	10
CHEM 3010	Forensic Chemistry	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3012	Environmental Forensic Investigations	10
NATS 3026	Forensic Biology	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

<b>Spring session</b>		
NATS 3027	Laboratory Quality Management	10
NATS 3008	Complex Forensic Studies	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

## Bachelor of Science (Pathway to Teaching Primary/Secondary)

Qualification for the Bachelor of Science (Pathway to Teaching Primary/Secondary) with a major in Forensic Science requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
MATH 1003	Biometry	10
CHEM 1008	Introductory Chemistry	10
NATS 1008	Forensic Science	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
NATS 1003	Digital Forensic Photography	10
CHEM 1012	Essential Chemistry	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2019	Forensic and Environmental Analysis	10
BIOS 2018	Genetics	10
NATS 2021	Imaging Science	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
NATS 2010	Crime Scene Investigation	10
CHEM 3010	Forensic Chemistry	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

**Year 3****Autumn session**

NATS 3012	Environmental Forensic Investigations	10
NATS 3026	Forensic Biology	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>

**Spring session**

NATS 3027	Laboratory Quality Management	10
NATS 3008	Complex Forensic Studies	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

In addition, all students must complete the mandatory 40 credit point minor in Education Studies.

Education Studies, Minor (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/education-studies-minor/>)

Students must meet this requirement by choosing the subjects from the minor in Education Studies as electives within their Bachelor of Science program.

**Bachelor of Advanced Science**

Qualification for the award of Bachelor of Advanced Science with a major in Forensic Science requires the successful completion of 240 credit points as per the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
NATS 1019	Scientific Literacy	10
MATH 1003	Biometry	10
CHEM 1008	Introductory Chemistry	10
NATS 1008	Forensic Science	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
BIOS 1012	Cell Biology	10
NATS 1003	Digital Forensic Photography	10
CHEM 1012	Essential Chemistry	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2019	Forensic and Environmental Analysis	10
BIOS 2018	Genetics	10
NATS 2021	Imaging Science	10
NATS 2001	Advanced Science Project A	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
NATS 2010	Crime Scene Investigation	10
CHEM 3010	Forensic Chemistry	10
NATS 2002	Advanced Science Project B	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3012	Environmental Forensic Investigations	10

NATS 3043	Advanced Science Research Project C	10
NATS 3026	Forensic Biology	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>

**Spring session**

NATS 3027	Laboratory Quality Management	10
NATS 3008	Complex Forensic Studies	10
NATS 3043	Advanced Science Research Project C	10
Select one elective		10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

**Diploma in Science/Bachelor of Science, full-time start-year (Term 1) intake**

Qualification for this award requires the successful completion of 250 credit points which include the units listed in the recommended sequence below.

Please note that some units are only available for students enrolled in this major and may require completion at Hawkesbury campus.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Year 1: College Subjects</b>		
Standard 3-term year		
<b>Preparatory subject:</b>		
CHEM 0001	Chemistry (WSTC Prep)	10
<b>Eight university-level subjects as follows:</b>		
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1006	Essential Chemistry 2 (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10
CHEM 1009	Introductory Chemistry (WSTC)	10
BIOS 1003	Biodiversity (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
NATS 1002	Concepts in Human Anatomy (WSTC)	10
NATS 1003	Digital Forensic Photography	10
<b>Credit Points</b>		<b>90</b>
<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2019	Forensic and Environmental Analysis	10
BIOS 2018	Genetics	10
NATS 2021	Imaging Science	10
NATS 1008	Forensic Science	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
CHEM 3010	Forensic Chemistry	10
NATS 2010	Crime Scene Investigation	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3012	Environmental Forensic Investigations	10
NATS 3026	Forensic Biology	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
NATS 3027	Laboratory Quality Management	10

NATS 3008	Complex Forensic Studies	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>250</b>

## Diploma in Science/Bachelor of Science, full-time mid-year (Term 2) intake

Qualification for this award requires the successful completion of 250 credit points which include the units listed in the recommended sequence below.

Please note that some units are only available for students enrolled in this major and may require completion at Hawkesbury campus.

Subject	Title	Credit Points
<b>Year 1 and Autumn Year 2: College subjects</b>		
Standard 3-term year		
Preparatory subject:		
CHEM 0001	Chemistry (WSTC Prep)	10
Eight university-level subjects as follows:		
BIOS 1014	Cell Biology (WSTC)	10
CHEM 1006	Essential Chemistry 2 (WSTC)	10
NATS 1020	Scientific Literacy (WSTC)	10
CHEM 1009	Introductory Chemistry (WSTC)	10
BIOS 1003	Biodiversity (WSTC)	10
MATH 1027	Quantitative Thinking (WSTC)	10
NATS 1008	Forensic Science	10
NATS 1003	Digital Forensic Photography	10
<b>Total Credit Points</b>		<b>90</b>

Course	Title	Credit Points
<b>Year 2</b>		
<b>Autumn session</b>		
NATS 2019	Forensic and Environmental Analysis	10
BIOS 2018	Genetics	10
NATS 2021	Imaging Science	10
NATS 1008	Forensic Science	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
CHEM 3010	Forensic Chemistry	10
NATS 2010	Crime Scene Investigation	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
NATS 3012	Environmental Forensic Investigations	10
NATS 3026	Forensic Biology	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
NATS 3027	Laboratory Quality Management	10
NATS 3008	Complex Forensic Studies	10
Select two electives		20
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>160</b>

## Related Programs

Bachelor of Advanced Science (3757) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-advanced-science/>)

Bachelor of Science (3754) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science/>)

Bachelor of Science (Pathway to Teaching Primary/Secondary) (3756) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/bachelor-science-pathway-teaching-primary-secondary/>)

Diploma in Science/Bachelor of Science (6043) (<https://hbook.westernsydney.edu.au/archives/2021-2022/programs/diploma-science-bachelor-science/>)