

RECOMMENDED COURSES

Unsure about what undergraduate degree you want to study? Keep these points in mind when choosing your 40 units:

- What courses have content that will interest you?
- What courses do you think you'll do well in?
- What study areas do you want to try out before deciding on a degree?

Know what undergraduate degree you want to study?

- Use the table below to see a list of recommended courses.
- These are not compulsory courses, these are only recommendations.
- You can still apply for an undergraduate degree even if you didn't study the recommended courses for that program.
- Some undergraduate degrees listed below include more than 40 units because some of the recommended courses are relevant to certain majors in the undergraduate degree or because any of the courses highly recommended or recommended are relevant to the degree. Check out the undergraduate [degree handbook](#) to see if the degree has majors.
- Is an EPMATH course recommended? Check the [course handbook](#) to see whether it is the right maths course for your level of experience.

Need more information about the courses or degrees?

Check out the [course handbook](#) or the [degree handbook](#) for more information.

Need help choosing your courses?

Contact us at enabling@newcastle.edu.au or on +61 2 4921 5558 for assistance.

Is English your second language?

Consider enrolling in EPHUMA171 Academic Literacies and Language Enhancement for Culturally and Linguistically Diverse Students.

Please note that not all courses are available every year, every semester, or at every campus.



BACHELOR OF	HIGHLY RECOMMENDED	RECOMMENDED
Aerospace Systems Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-
Arts	EPHUMA171 Academic Literacies and Language Enhancement for Culturally and Linguistically Diverse Students EPHUMA172 Reading, Writing and Critical Thinking EPHUMA173 Creative Writing and Reading	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPEDUC101 Foundations in Education: Theories and Theoretical Perspectives EPHUMA120 Media and Communication Studies EPHUMA131 Australian History to Federation EPHUMA144 Literature Foundations EPHUMA149 Language in Society EPHUMA154 Social Enquiry EPHUMA160 Screen and Cultural Studies EPHUMA231 Australian History from Federation to Present EPHUMA249 Foundations of Linguistics EPHUMA254 Social Insights
Biomedical Science	EPBIOL259 Introductory Human Bioscience EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH235 Statistics	EPMATH109 Fundamental Mathematics EPPHYS152 Physics Essentials EPPHYS252 Modern Physics
Biotechnology	EPBIOL130 Introduction to Biology EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH209 Intermediate Mathematics EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPMATH235 Statistics
Business	EPMANC120 Managing People in Organisations EPMANC220 Project Management	EPHUMA147 Law in Australia EPHUMA154 Social Enquiry EPHUMA172 Reading, Writing and Critical Thinking EPHUMA247 Law in Action EPHUMA254 Social Insights EPMATH235 Statistics
Business Analytics	EPINFO150 Information and Communication Technology EPMANC120 Managing People in Organisations EPMANC220 Project Management EPMATH209 Intermediate Mathematics	EPHUMA172 Reading, Writing and Critical Thinking EPMATH235 Statistics

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Chemical Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry
Civil Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-
Climate Science and Adaptation	EPCHEM137 Foundation Concepts for Chemistry EPENGG101 Engineering Physics EPMATH110 Applied Mathematics EPMATH235 Statistics EPPHYS152 Physics Essentials	EPBIOL130 Introduction to Biology EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPCHEM237 Physical and Organic Chemistry EPHUMA154 Social Enquiry EPHUMA254 Social Insights
Coastal and Marine Science	EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPMATH209 Intermediate Mathematics EPMATH235 Statistics	EPBIOL130 Introduction to Biology EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry
Commerce	EPMANC120 Managing People in Organisations EPMANC220 Project Management	EPHUMA147 Law in Australia EPHUMA154 Social Enquiry EPHUMA172 Reading, Writing and Critical Thinking EPHUMA247 Law in Action EPHUMA254 Social Insights EPMATH235 Statistics
Communication	EPHUMA120 Media and Communication Studies EPHUMA160 Screen and Cultural Studies EPHUMA173 Creative Writing and Reading	EPARTS192 Graphic Design Fundamentals EPHUMA144 Literature Foundations EPHUMA149 Language in Society EPHUMA154 Social Enquiry EPHUMA172 Reading, Writing and Critical Thinking EPHUMA249 Foundations of Linguistics EPHUMA254 Social Insights EPMANC220 Project Management
Computer Science	EPINFO150 Information and Communication Technology EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2	EPMATH235 Statistics

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Computer Systems Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPINFO150 Information and Communication Technology EPMATH235 Statistics
Construction Management (Building) (Honours)	EPHUMA172 Reading, Writing and Critical Thinking EPMANC120 Managing People in Organisations	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPHUMA135 Research in Action EPHUMA147 Law in Australia EPHUMA247 Law in Action EPMATH110 Applied Mathematics
Criminology	EPHUMA147 Law in Australia EPHUMA154 Social Enquiry EPHUMA247 Law in Action EPHUMA254 Social Insights EPMATH235 Statistics	EPHUMA172 Reading, Writing and Critical Thinking
Data Science	EPINFO150 Information and Communication Technology EPMATH235 Statistics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2	-
Design (Architecture)	EPARTS190 Design Drawing EPARTS191 Design in Society EPARTS192 Graphic Design Fundamentals EPHUMA172 Reading, Writing and Critical Thinking	EPHUMA135 Research in Action EPHUMA154 Social Enquiry EPHUMA254 Social Insights EPMANC120 Managing People in Organisations
Development Studies	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPHUMA154 Social Enquiry EPHUMA254 Social Insights	EPHUMA172 Reading, Writing and Critical Thinking EPHUMA231 Australian History from Federation to Present
Education (Early Childhood and Primary)	EPEDUC101 Foundations in Education: Theories and Theoretical Perspectives EPEDUC201 Foundations in Education: Contemporary Issues in Schooling EPMATH109 Fundamental Mathematics	EPHUMA149 Language in Society EPHUMA172 Reading, Writing and Critical Thinking EPHUMA231 Australian History from Federation to Present
Education (Primary)	EPEDUC101 Foundations in Education: Theories and Theoretical Perspectives EPEDUC201 Foundations in Education: Contemporary Issues in Schooling EPMATH109 Fundamental Mathematics	EPHUMA149 Language in Society EPHUMA172 Reading, Writing and Critical Thinking EPHUMA231 Australian History from Federation to Present EPHUMA249 Foundations of Linguistics EPMATH110 Applied Mathematics

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Education (Secondary)	EPEDUC101 Foundations in Education: Theories and Theoretical Perspectives EPEDUC201 Foundations in Education: Contemporary Issues in Schooling	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPARTS190 Design Drawing EPARTS191 Design in Society EPBIOL130 Introduction to Biology EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPBIOL259 Introductory Human Bioscience EPCHEM137 Foundation Concepts for Chemistry EPENGG101 Engineering Physics EPHUMA120 Media and Communication Studies EPHUMA131 Australian History to Federation EPHUMA144 Literature Foundations EPHUMA147 Law in Australia EPHUMA149 Language in Society EPHUMA154 Social Enquiry EPHUMA160 Screen and Cultural Studies EPHUMA173 Creative Writing and Reading EPHUMA231 Australian History from Federation to Present EPHUMA249 Foundations of Linguistics EPHUMA254 Social Insights EPINFO150 Information and Communication Technology EPMATH109 Fundamental Mathematics EPMATH110 Applied Mathematics EPPHYS152 Physics Essentials EPSCIE140 Psychology and Human Behaviour in Everyday Life
Electrical and Electronic Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-
Engineering (Mining Transfer Program)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-

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Environmental Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPBIOL130 Introduction to Biology EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH235 Statistics
Environmental Science and Management	EPBIOL130 Introduction to Biology EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPMATH209 Intermediate Mathematics EPMATH235 Statistics	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMANC220 Project Management
Exercise and Sport Science	EPBIOL259 Introductory Human Bioscience EPMATH235 Statistics	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPHUMA154 Social Enquiry EPHUMA254 Social Insights
Food Science and Human Nutrition	EPBIOL259 Introductory Human Bioscience EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPHUMA135 Research in Action EPMATH109 Fundamental Mathematics EPMATH235 Statistics	EPBIOL130 Introduction to Biology EPHUMA172 Reading, Writing and Critical Thinking
Global Indigenous Studies	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPHUMA154 Social Enquiry EPHUMA254 Social Insights	EPHUMA147 Law in Australia EPHUMA149 Language in Society EPHUMA172 Reading, Writing and Critical Thinking EPHUMA247 Law in Action EPHUMA249 Foundations of Linguistics
Information Technology	EPINFO150 Information and Communication Technology EPMATH209 Intermediate Mathematics	EPARTS191 Design in Society EPENGG101 Engineering Physics EPMANC120 Managing People in Organisations
Laws (Honours)	EPHUMA147 Law in Australia EPHUMA231 Australian History from Federation to Present EPHUMA247 Law in Action EPMATH109 Fundamental Mathematics	-
Mathematics	EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2	EPENGG101 Engineering Physics EPINFO150 Information and Communication Technology EPMATH235 Statistics EPPHYS152 Physics Essentials EPPHYS252 Modern Physics

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Mechanical Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPARTS191 Design in Society EPCHEM137 Foundation Concepts for Chemistry EPHUMA147 Law in Australia EPHUMA171 Academic Literacies and Language Enhancement for Culturally and Linguistically Diverse Students EPHUMA247 Law in Action EPMANC120 Managing People in Organisations
Mechatronics Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-
Medical Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPBIOL259 Introductory Human Bioscience
Medical Radiation Science	EPBIOL259 Introductory Human Bioscience EPMATH235 Statistics EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPMATH209 Intermediate Mathematics
Midwifery	EPHLTH170 Science Essentials for Nursing and Midwifery EPHLTH270 Bioscience for Nursing and Midwifery EPHUMA154 Social Enquiry EPMATH109 Fundamental Mathematics EPSCIE140 Psychology and Human Behaviour in Everyday Life	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues
Music and Performing Arts	EPMATH110 Applied Mathematics	-
Nursing	EPHLTH170 Science Essentials for Nursing and Midwifery EPHLTH270 Bioscience for Nursing and Midwifery EPHUMA254 Social Insights EPMATH109 Fundamental Mathematics EPSCIE140 Psychology and Human Behaviour in Everyday Life	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPHUMA135 Research in Action EPHUMA171 Academic Literacies and Language Enhancement for Culturally and Linguistically Diverse Students EPHUMA172 Reading, Writing and Critical Thinking
Nutrition and Dietetics (Honours)	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH209 Intermediate Mathematics	EPHUMA135 Research in Action EPHUMA172 Reading, Writing and Critical Thinking EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life

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Occupational Therapy (Honours)	EPBIOL259 Introductory Human Bioscience EPCHEM137 Foundation Concepts for Chemistry EPMATH209 Intermediate Mathematics	EPHUMA154 Social Enquiry EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life
Oral Health Therapy	EPBIOL259 Introductory Human Bioscience EPMATH235 Statistics	EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPHUMA171 Academic Literacies and Language Enhancement for Culturally and Linguistically Diverse Students EPHUMA172 Reading, Writing and Critical Thinking EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life
Pharmacy (Honours)	EPBIOL259 Introductory Human Bioscience EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH209 Intermediate Mathematics	EPMATH235 Statistics EPPHYS152 Physics Essentials
Physiotherapy (Honours)	EPBIOL259 Introductory Human Bioscience EPHUMA135 Research in Action EPHUMA172 Reading, Writing and Critical Thinking EPMATH235 Statistics	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPHUMA154 Social Enquiry EPHUMA254 Social Insights EPPHYS152 Physics Essentials EPPHYS252 Modern Physics EPSCIE140 Psychology and Human Behaviour in Everyday Life
Podiatry	EPBIOL259 Introductory Human Bioscience EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH235 Statistics	-
Psychological Science	EPHLTH170 Science Essentials for Nursing and Midwifery EPHUMA154 Social Enquiry EPHUMA172 Reading, Writing and Critical Thinking EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPHUMA135 Research in Action EPMATH110 Applied Mathematics
Public and Community Health	EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPHUMA135 Research in Action EPHUMA172 Reading, Writing and Critical Thinking	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPHUMA231 Australian History from Federation to Present EPHUMA254 Social Insights EPMANC120 Managing People in Organisations EPSCIE140 Psychology and Human Behaviour in Everyday Life

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Renewable Energy Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry
Science - with a major in Biodiversity and Conservation	EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPMATH209 Intermediate Mathematics EPMATH235 Statistics	-
Science - with a major in Biological Sciences	EPBIOL130 Introduction to Biology EPBIOL140 Foundations of Conservation Science EPMATH209 Intermediate Mathematics EPMATH235 Statistics	-
Science - with a major in Chemistry (Advanced Materials)	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH209 Intermediate Mathematics EPMATH235 Statistics	-
Science - with a major in Chemistry (Medicinal and Organic)	EPCHEM137 Foundation Concepts for Chemistry EPCHEM237 Physical and Organic Chemistry EPMATH209 Intermediate Mathematics EPMATH235 Statistics	-
Science - with a major in Earth Sciences	EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPMATH209 Intermediate Mathematics EPMATH235 Statistics	-
Science - with a major in Geography	EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPMATH209 Intermediate Mathematics EPMATH235 Statistics	EPHUMA154 Social Enquiry
Science - with a major in Mathematics	EPMATH209 Intermediate Mathematics EPMATH235 Statistics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2	-
Science - with a major in Physics	EPMATH209 Intermediate Mathematics EPMATH235 Statistics EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-
Science - with a major in Psychology	EPMATH209 Intermediate Mathematics EPMATH235 Statistics EPSCIE140 Psychology and Human Behaviour in Everyday Life	EPHUMA154 Social Enquiry

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Science - with a major in Statistics	EPMATH209 Intermediate Mathematics EPMATH235 Statistics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2	-
Social Science	EPHUMA154 Social Enquiry EPHUMA172 Reading, Writing and Critical Thinking EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life	EPABOR158 Aboriginal and Torres Strait Islander Studies: Cultures and Histories EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPARTS191 Design in Society EPBIOL140 Foundations of Conservation Science EPBIOL240 Biodiversity and Conservation Management EPHUMA120 Media and Communication Studies EPHUMA131 Australian History to Federation EPHUMA147 Law in Australia EPHUMA149 Language in Society EPHUMA160 Screen and Cultural Studies EPHUMA231 Australian History from Federation to Present EPHUMA247 Law in Action EPHUMA249 Foundations of Linguistics EPMANC120 Managing People in Organisations EPMANC220 Project Management
Social Work (Honours)	EPHUMA154 Social Enquiry EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life	EPHUMA147 Law in Australia EPHUMA172 Reading, Writing and Critical Thinking EPHUMA247 Law in Action
Software Engineering (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	EPINFO150 Information and Communication Technology
Speech Pathology (Honours)	EPBIOL259 Introductory Human Bioscience EPHUMA149 Language in Society EPHUMA249 Foundations of Linguistics	EPHUMA154 Social Enquiry EPHUMA254 Social Insights EPSCIE140 Psychology and Human Behaviour in Everyday Life
Surveying (Honours)	EPENGG101 Engineering Physics EPMATH153 Advanced Mathematics 1 EPMATH253 Advanced Mathematics 2 EPPHYS152 Physics Essentials EPPHYS252 Modern Physics	-

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Tourism, Hospitality and Events	EPMANC120 Managing People in Organisations EPMANC220 Project Management	EPABOR258 Aboriginal and Torres Strait Islander Studies: Contemporary Issues EPHUMA120 Media and Communication Studies EPHUMA147 Law in Australia EPHUMA154 Social Enquiry EPHUMA172 Reading, Writing and Critical Thinking EPHUMA247 Law in Action EPHUMA254 Social Insights
Visual Communication Design	EPARTS190 Design Drawing EPARTS191 Design in Society EPARTS192 Graphic Design Fundamentals EPHUMA120 Media and Communication Studies EPHUMA160 Screen and Cultural Studies	EPHUMA172 Reading, Writing and Critical Thinking EPMANC220 Project Management