

Construction major

Year and Campus:	2016
Coordinator:	Professor Andrew Martel
Contact:	<p>Email: aamartel@unimelb.edu.au (mailto:aamartel@unimelb.edu.au)</p> <p>Currently enrolled students:</p> <ul style="list-style-type: none"> • Contact Stop 1 (http://students.unimelb.edu.au/stop1) • General information: https://ask.unimelb.edu.au (http://ask.unimelb.edu.au/) <p>Future students:</p> <ul style="list-style-type: none"> • Further information: https://futurestudents.unimelb.edu.au (https://futurestudents.unimelb.edu.au) • Email via http://benvs.unimelb.edu.au/ (http://benvs.unimelb.edu.au/)
Overview:	<p>Construction explores the management of people, processes and materials on specific building projects as well as more broadly, across the building industry. Just as the building industry embraces both building and commerce, so will your studies in construction, with subjects undertaken in everything from construction, structures, commerce, management and law. The breadth of the construction profession is further revealed by site visits, guest speakers and teachers who work in the industry who will ensure that your studies are grounded in the real world.</p> <p>Double majors are available for certain majors within the Bachelor of Environments. Further information on double majors can be found here: http://edsc.unimelb.edu.au/double-majors (http://edsc.unimelb.edu.au/double-majors) Careers and Further Study: Bachelor of Environments graduates with a construction major might work in construction management or quantity surveying in Australia or internationally. The construction major provides a strong grounding that prepares you for further studies in the Master of Construction Management. For more information on the Master of Construction Management, please visit the Melbourne School of Design web site: http://www.msd.unimelb.edu.au/ (http://www.msd.unimelb.edu.au/)</p>
Learning Outcomes:	By the end of a three year Bachelor of Environments degree with a construction major, students will have developed a breadth of knowledge and competence in areas from construction to management.
Structure & Available Subjects:	100 points of Construction subjects.
Majors/Minors/Specialisations	<p>Course planning for a Construction major</p> <p>A major in Construction in the Bachelor of Environments consists of:</p> <ul style="list-style-type: none"> # 100 points of Construction subjects <p>PLUS</p> <ul style="list-style-type: none"> # In first year: 25 points of Level 1 Environments & Enabling Electives required for the major. <p>Specific details of the Bachelor of Environments course structure can be found at: https://handbook.unimelb.edu.au/view/current/B-ENVS (../view/current/B-ENVS)</p> <p>MATHEMATICS BACKGROUND</p> <p>A mathematics background is necessary for students majoring in Construction. Please note, knowledge of VCE Mathematical Methods Units 3 and 4 will be assumed. Students without this background may need to take a bridging subject in mathematics as Level 1 breadth. This bridging subject is MAST10012 Introduction to Mathematics and it is equivalent to VCE Mathematical Methods Units 3 and 4; entry into this subject requires a mathematical background equivalent to Mathematical Methods Units 1 and 2. This level of mathematics knowledge is required for students to enrol in ECON10004 Introductory Microeconomics (one of the recommended breadth subjects for accreditation).</p>

Subject Options:

The following description of the Construction major aligns with the Study Plan Structure viewable on the Portal for students who commenced the Bachelor of Environments in 2015 or later.

The components within the structure of this major have been designed to enforce the requirements of both this specific major and of the course overall, e.g. the requirement that at least 62.5 points of Environments discipline subjects (which can include subjects taken within the major) are taken at each of Level 2 and Level 3.

Double majors are available for certain majors within the Bachelor of Environments. Further information on double majors can be found here: <http://edsc.unimelb.edu.au/double-majors> (<http://edsc.unimelb.edu.au/double-majors>), if you are interested in any double majors, please check the sample course plan before selecting any elective subjects.

PRE-2015 STUDENTS: Students who commenced the Bachelor of Environments prior to 2015 should refer to the handbook entry for the year they commenced in conjunction with the 2015 handbook listings for Environments elective and Breadth subject listings. View 2014 Bachelor of Environments Handbook entry [here \(../view/2014/B-ENVS\)](http://handbook.unimelb.edu.au/view/2014/B-ENVS)

Level 1 Environments & Enabling Electives (25 points)

In order to complete this major, enrol into ALL these subjects in your first year:

Subject	Study Period Commencement:	Credit Points:
ENVS10009 Structural Environments	Semester 2	12.50
ABPL10005 The World of Building	Semester 1	12.5

IMPORTANT:

- 1 If you do not have the required mathematics background of VCE Mathematical Methods Units 3 and 4, enrol into MAST10012 Introduction to Mathematics
- 2 ENVS10005 Governing Environments is recommended to be taken as an Environments Elective.
- 3 25 points of recommended breadth subjects can also be chosen as Enabling Electives (see below)

Construction major - core subjects (100 points)

All of

Subject	Study Period Commencement:	Credit Points:
ABPL20036 Environmental Building Systems	Semester 1, Semester 2	12.50
ABPL20042 Residential Construction and Structures	Semester 1	12.50
ABPL20053 Concrete Structures and Construction	Semester 2	12.50
ABPL30039 Construction Contract Administration	Semester 2	12.50
ABPL30040 Measurement of Building Works	Semester 1	12.50
ABPL30044 Project Planning Studio	Semester 2	12.50
ABPL30046 Structures and Construction Systems	Semester 1	12.50
ABPL30055 Construction Management	Semester 1	12.50

Environments Discipline subjects (50 points)**Choose the total of**

50 points of Environments Discipline subjects

RULES:

Please note these rules when choosing the Environments Discipline subjects below

- 1 Must complete 25 points level 2 subjects

Select from this list: **Environments Discipline subjects** ([../view/current/%21B-ENVS-SPC%2B1000](#))

Breadth subjects and restrictions for Construction major students

RECOMMENDED BREADTH SUBJECTS

In order to meet the requirements for accreditation, students intending to major in Construction are strongly recommended to undertake the following subjects as breadth. **25 points of these subjects can also be taken as an Enabling Electives (see above).**

Subject	Study Period Commencement:	Credit Points:
ECON10004 Introductory Microeconomics	Semester 1, Semester 2	12.50
BLAW10001 Principles of Business Law	Semester 1, Semester 2	12.50
MGMT20001 Organisational Behaviour	Semester 1, Semester 2	12.50
ACCT10001 Accounting Reports and Analysis	Summer Term, Semester 1, Semester 2	12.50

BREADTH RESTRICTIONS

The breadth requirements for the Bachelor of Environments include the restriction of some subjects as breadth options, depending on an individual student's choice of major. Subjects in the Handbook that are marked as available as breadth in the Bachelor of Environments may be subject to further restrictions, depending up which major a student is completing in that course. Detailed information on these **Restrictions for Breadth Options** ([../view/CURRENT/%21B-ENVS-SPC%2B1001](#)) is available.

Students undertaking the Construction major are not permitted to take as breadth:

- # any Accounting subjects (subject codes beginning ACCT) - with the exception of ACCT10001 Accounting Reports and Analysis
- # any Civil Engineering subjects (subject codes beginning CVEN)
- # any Economics subjects (subject codes beginning ECON) - with the exception of ECON10004 Introductory Microeconomics
- # any Engineering subjects (subject codes beginning ENGR)
- # any Geomatics subjects (subject codes beginning GEOM)
- # any Management subjects (subject codes beginning MGMT) - with the exception of MGMT20001 Organisational Behaviour
- # any of the following subjects:

Subject	Study Period Commencement:	Credit Points:
ABPL20031 Principles of Property	Semester 1	12.50
ABPL20004 Principles of Property Valuation	Semester 2	12.50
ABPL20033 Construction Analysis	Semester 2	12.50
ABPL30006 Property Resource Analysis	Semester 1	12.50
ABPL30012 Property Management	Semester 2	12.50
ABPL30041 Construction Design	Semester 1	12.50
ABPL30045 Property Analysis Studio	Semester 2	12.50
ABPL20035 Cities: From Local to Global	Semester 1	12.50

Notes:

For more information on this major and to view a sample course plan please visit: <http://edsc.unimelb.edu.au/sample-course-plans-bachelor-environments> (<http://edsc.unimelb.edu.au/sample-course-plans-bachelor-environments>)

	<p>The Australian Institute of Building (AIB) has accredited the Bachelor of Environments Construction major as a qualification for AIB Associate membership.</p> <p>The Bachelor of Environments Construction major provides a pathway into the Master of Construction Management. It is expected that graduates of the Master of Construction Management will have completed the academic requirements for corporate membership of:</p> <ul style="list-style-type: none"># Australian Institute of Building (AIB)# Australian Institute of Quantity Surveyors (AIQS)# Royal Institution of Chartered Surveyors (RICS)
Related Course(s):	Bachelor of Environments