

Industrial Technology (Timber) **M**

This course builds on the skills and principles taught within the Stage 5 (Year 9 - 10) Industrial Technology (Timber) course. Dedicated Year 11 students who have not previously studied this subject could still undertake Industrial Technology for the Preliminary Course.

The major project that students will complete in this course will be a timber-based project that will be marked by external examiners. A significant part of this process will be the documentation that will be created before, during and after the completion of the project. There is also an examination for this course in the HSC examination period that focuses on the timber products and furniture technologies used to create products.

The Preliminary Course

- Industry Study (15%): This will involve the investigation of an organisation within the timber industry.
- Design (10%): Students will learn how to design and plan projects and how to document their process.
- Management and Communication (20%); This unit focuses on the roles within the timber and furniture industry and how they work together as an effective team.
- Production (40%): This is the time students will create their projects. A large majority of the time in this course is dedicated to students actually making products. Students will be expected to put into practice the skills they have learnt in the other sections of the course.
- Industry Related Manufacturing Technology (15%): Students will learn how to use the technology required to be creators of timber products. This will include, but is not limited to, the laser cutter, hand and power tools and CNC Router.

The HSC Course

- Industry Study (15%): Building on the student's exploration into an organisation within the timber industry in the Preliminary Course, students will go deeper into the management and operations of a company in the timber industry looking at the structure, WHS issues, career opportunities, sales and marketing, along with technical, environmental, sociological factors and personnel issues.
- Major project (60%): The majority of time will involve the design, management, communication and production of a major timber project. All work is documented in a detailed and significant project folio.
- Industry Related Manufacturing Technology (25%): Students will learn about, use and apply a wide range of materials, processes, tools, equipment, machinery and technologies related to the timber industry. New and emerging technologies that benefit the timber industry will be explored and students will be required to recall part of this knowledge in the HSC examination.

NOTE: Materials for the major project are at the student's expense.

For more information on Industrial Technology (Multimedia) visit the NESA website at:

<https://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/technologies/industrial-technology>

PLEASE NOTE: Industrial Technology Timber cannot be done in conjunction with Industrial Technology Multimedia. They are effectively the same course with a different focus.