



NT
CHRISTIAN
COLLEGE



Year 11 and 12 Subject Information

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Acronyms

NTCET	Northern Territory Certificate of Education
NTOEC	Northern Territory Open Education Centre
SACE	South Australian Certificate of Education
VET	Vocational Education and Training

Stage 1 and 2 NTCET Subjects

Business Enterprise and Technology

Business and Enterprise
Business Innovation
Design & Technology
Digital Technologies

Creative Arts

Drama
Music
Visual Arts

English

Pre-English Literary Studies
English
Essential English
English Literacy Studies
Essential English (Stage 2)

Health and Physical Education

Food & Hospitality
Outdoor Education
Physical Education

Humanities

Geography
History
Legal Studies
Studies of Religion

Mathematics

Mathematical Methods
Mathematics
Essential Mathematics

Science

Biology
Chemistry
Physics
Psychology
Scientific Studies

Cross Disciplinary Studies

Community Studies
Integrated Learning
Research Project
Workplace Practices

Students also have the opportunity to study course delivered by NTSCE (by correspondence) and NT Online (virtual class).

- Digital Media
- Accounting
- Languages – including Indonesian and Japanese

Subject Descriptions

Business, Enterprise & Technology

Business, Enterprise & Technology

Prerequisites: None

Subject Length: One or Two Semester (10 or 20 Credits)

Business and Enterprise focuses on learning about the successful management of business and enterprise issues in personal, business, and social contexts, locally, nationally and globally. Students gain an understanding of business operations and practice, develop an awareness of business, financial, and technological skills, participate in planning, developing and controlling business activities, and evaluate decisions on business practices. They have the opportunity to reflect on current issues in business and enterprise, and make informed decisions. Students evaluate the impact and effect of business, enterprises and technology on the well-being and lifestyle of individuals, communities, the economy, and the environment.

Business Innovation

Prerequisites: None

Subject Length: One or Two Semester (10 or 20 Credits)

Stage 1 - students begin to develop the knowledge, skills and understanding to engage in business contexts in the modern world. Students consider the opportunities and challenges associated with start-up and existing businesses, and consider how digital and emerging technologies may present opportunities to enhance business models.

Stage 2 - students are equipped with the knowledge, skills and understandings to engage in designing, sustaining and transforming business. Students engage with real world problems to identify, design and test viable business solutions.

Design & Technology

Prerequisites: None

Subject Length: One or Two Semester (10 or 20 Credits)

Students develop practical hand and machine skills and use these skills in the critiquing, design and construction of practical project work. Students explore technologies in both contemporary and historical settings, and analyse the impacts of technology, including social, environmental and sustainable consequences.

Digital Technologies

Prerequisites: None

Subject Length: One or Two Semester (10 or 20 Credits)

Students create practical, innovative solutions to problems of interest. By extracting, interpreting, and modelling real-world data sets, students identify trends to examine sustainable solutions to problems in, for example, business, industry, the environment and the community. They investigate

how potential solutions are influenced by current and projected social, economic, environmental, scientific, and ethical considerations, including relevance, originality, appropriateness, and sustainability.

Creative Arts

Drama

Prerequisites: Good command of English Language and Commitment during and after school hours

Subject Length: One or Two Semester (10 or 20 Credits)

In Drama students participate in the planning, rehearsal, and performance of dramatic work. They work individually, in small groups and as a production ensemble. Students participate in creative problem solving; they generate, analyse, and evaluate ideas. They develop personal interpretations of texts. Students develop their curiosity and imagination, creativity, individuality, self-identity, self-esteem and confidence while exploring human contexts and relationships as well as emotional and social conflicts and resolutions. Students learn theatre and film production techniques and have opportunities to create their own dramatic work within a selected theme.

Music

Prerequisites: Recommended basic music skills and willingness to rehearse out of class

Subject Length: One or Two Semester (10 or 20 Credits)

Through the study of music, students have the opportunity to engage in musical activities such as performing, composing, arranging, researching, developing and applying music technologies. Students benefit from the opportunity to develop their practical and creative potential, oral and written skills, and their capacity to make informed interpretive and aesthetic judgements. Study and participation in music draws together student's cognitive, affective, and psychomotor skills, strengthening their ability to manage work and learning, and to communicate effectively and sensitively.



Music Experience Programs – These programs are designed for students with limited experience or knowledge in some aspects of music. Music Experience programs should provide pathways to selected Stage 2 Music subjects, such as Stage 2 Ensemble Performance, Music Individual Study, Music Technology, and/or Solo Performance.

Music Advanced Programs – These programs are designed for students with a substantial background in music. Music Advanced programs should provide pathways to the range of Stage 2 Music subjects.

Visual Arts

Prerequisites: Prior exposure to Art in year 8, 9 & 10 is an advantage and competence in written expression.

Subject Length: One or Two Semester (10 or 20 Credits)

This course is designed to cater for students interested in exploring the concepts and techniques of art. The course focuses on preparing students for Visual Art Studies in Stage 2, including the making and creating of artworks, idea generation, analysis and criticism of artworks and exploring the idea of artists and art movements.

English

Students must pass at least two Semesters of English as part of the NTCE

English Literacy Studies

Prerequisites: A or B grade at Year 10

Subject Length: One or Two Semester (10 or 20 Credits)

This subject offers an introduction to the critical study of language and literature and the development of students' analytical and imaginative writing skills. It is designed for students who have an interest in the study of literature. This course is designed to prepare students for Stage 2 English Studies.

English

Prerequisites: None

Subject Length: One or Two Semester (10 or 20 Credits)

This subject offers the close study of short stories, poetry, media, creative writing and intertextuality. It is designed to prepare students for Stage 2 English Communications course.

Essential English

Prerequisites: None

Subject Length: One or Two Semester (10 or 20 Credits)

Literacy for Work and Community Life enables students to build their knowledge of the English language, and expand their literacy skills. This subject is intended for those students who, through their personal learning plans, have identified literacy skills as an area for development. Literacy for Work and Community Life engages students in the study of everyday written, spoken visual, and multimedia texts. Students learn to analyse and understand the meanings, structures, purposes, and audiences of these texts, and build the knowledge and skills to produce their own texts. The study of Literacy for Work and Community Life also enables students to develop the spoken and written language skills to interact effectively with others, in their learning, work and community life.



Health and Physical Education

Food & Hospitality

Prerequisites: Willingness to experiment with foods and styles of preparation

Subject Length: One or Two Semester (10 or 20 Credits).

In Food and Hospitality, students focus on the dynamic nature of the food and hospitality industry in Australia society. They develop an understanding of contemporary approaches and issues related to food and hospitality. Students work independently and collaboratively to achieve common goals. They develop skills and safe work practices in the preparation, storage and handling of food, complying with current health and safety legislation. Students investigate and debate contemporary food and hospitality issues and current management practices.

Outdoor Education

Prerequisites: Students must be willing and able to complete the OUTDOOR components of the course.

Subject Length: One Semester (10 Credits) run over the whole year.

In Outdoor Education, students gain an understanding of ecology, environmental sustainability, cultural perspectives, and physical and emotional health through participating in outdoor activities. Students reflect on environmental practices and are introduced to employment options in outdoor and environmental fields.

Physical Education

Prerequisites: None (Semester 1 and 2 are considered separate subjects and can be taken individually, both are highly recommended as preparation for Stage 2 PE.

Subject Length: One or Two Semester (10 or 20 Credits)

In physical Education students gain an understanding of human functioning and physical activity, and an awareness of the community structures and practices that influence participation in physical activity. Students explore their own physical capacities and analyse performance, health, and lifestyle issues. They develop skills in communication, investigation, and the ability to apply knowledge to practical situations.

Stage 1 - Physical Education participants are graded on the following four areas:

- Practical Skills and Application
- Initiative and Collaboration
- Knowledge and Understanding
- Critical Analysis and Evaluation

This subject is useful as a preparation for those students wishing to study Stage 2 Physical Education.



Humanities and Social Science

History

Prerequisites: None

Subject Length: One Semester (10 Credits) run over the whole year

The study of History gives students the opportunity to make sense of a complex and rapidly changing world by connecting past and present. Through the study of past events, actions and phenomena, students gain an insight into human nature and the ways in which individuals and societies function. Students will have opportunities to develop knowledge and understanding of how men, women and children live and acted in different parts of the world in past times. Student's research the review sources within a framework of inquiry and critical analysis.

Legal Studies

Prerequisites: None

Subject Length: One Semester (10 credits)

Legal Studies explores Australia's legal heritage and the dynamic nature of the Australian legal system within a global context. Students are provided with an understanding of the structures of the Australian legal system and how that system responds and contributes to social change while acknowledging tradition.

Students examine the Australian legal system. They read and write about, and discuss, analyse, and debate issues. They use a variety of methods to investigate legal issues, including observing the law in action in courts and through various media.

Studies of Religion

Prerequisites: None

Subject Length: One Semester (10 Credits)

Students focus on an aspect of religion or spirituality within and across traditions, and explore the religious basis of an ethical or social justice issue.

They gain an appreciation of, and respect for, the different ways in which people develop an understanding and knowledge of religion and spirituality as something living and dynamic, and the ways in which people think, feel and act because of their religious beliefs.

Mathematics

Students must pass at least one semester of mathematics as part of the NTCET

At Stage 1 students can enrol in either Mathematics or Mathematical Applications. Topics are of two different types; those that provide a background for students proceeding to Stage 2 Mathematical Methods, Mathematical Studies, and Specialist Mathematics subjects; and those that provide a background for students proceeding to Stage 2 Mathematical Application.

Mathematical Methods

Prerequisites: Pass in Year 10 Level 1 Mathematics and Semester 2 study requires a pass at Semester 1

Subject Length: One or Two Semester (10 or 20 Credits)

Students study topics such as: Geometry and Mensuration, Coordinate Geometry, Quadratics and Other Polynomials, and Statistics. This course addresses concepts and knowledge, skills and applications, reasoning and problem solving, and communication and personal development.

General Mathematics

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

Students study such topics as: Earning and Spending; Savings and Borrowing; and Measurement. Students learn how to earn money and manage their finances well using their mathematical skills. They also develop skills in solving problems to do with scale, ratio, dimension, area, perimeter and volume.

Essential Mathematics

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

Numeracy for Work and Community Life enables students to build on their knowledge and understanding of mathematical information and its relationship to everyday contexts. This subject is intended primarily for those students who, through their personal learning plans, have identified numeracy skills as an area for development. In their study of Numeracy for Work and Community Life, students discuss and share ideas as they explore, select, and apply a range of mathematical concepts, processes, and strategies to everyday problems and situations. Students develop their critical thinking skills by making choices to solve problems, and communicating mathematical processes and results with clarity and understanding.

Science

Biology

Prerequisites: A good pass in Yr 10 Science. Semester 2 study usually requires a pass at Semester 1

Subject Length: One or Two Semesters (10 or 20 Credits)

In Biology students learn about the cellular and overall structures and functions of a range of organisms. They have the opportunity to engage with the work of biologists and to join and initiate debates about how biology impacts on their lives, on society, and on the environment. Students design and conduct biological investigations and gather evidence from their investigations. As they explore a range of biology-related issues, students recognise that the body of biological knowledge is constantly changing and increasing through the applications of new ideas and technologies.

Chemistry

Prerequisites: A good pass in Yr 10 Science is strongly advised. Students should study Chemistry in Semester 1 in order to undertake Semester 2

Subject Length: One or Two Semesters (10 or 20 Credits)

The study of chemistry includes an overview of the matter that makes up materials, and the properties, uses, means of production, and reactions of these materials. It also includes a critical study of the social and environmental impact of materials and chemical processes. Students consider how human beings make use of the earth's resources and the impact of human activities on the environment. Through practical studies students develop investigation skills, and an understanding of the physical world that enables them to be questioning, reflective, and critical thinkers.



Physics

Prerequisites: Strong Pass in Yr 10 Science, high Pass at Level 1 Mathematics and students should study Physics in Semester 1 in order to undertake Semester 2

Subject Length: One or Two Semesters (10 or 20 Credits)

The study of physics offers opportunities for students to understand and appreciate the natural world. This subject requires the interpretation of physical phenomena through a study of motion in two dimensions, electricity and magnetism, light and matter, and atoms and nuclei. As well as applying knowledge to solve problems, students develop experimental, investigation design, information, and communication skills through practical and other learning activities. In Semester 1, it concentrates on: motion; wave and optics; electrostatics. In Semester 2, it concentrates on: mechanics; electricity and magnetism; and nuclear physics.

Psychology

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

The study of psychology enables students to understand their own behaviours and the behaviours of others. Psychological knowledge can be applied to improve outcomes and the quality of experience in various areas of life, such as education, intimate relationships, child rearing, employment and leisure. By emphasising evidence-based procedures (i.e. observation, experimentation and experience) the subject allows students to develop useful skills in analytical and critical thinking, and in making inferences.

Scientific Studies

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

Students apply inquiry-based approaches to design, plan, and undertake investigations on a short term or more extended scale, responding to local or global situations. Both collaboratively, and individually, they employ a scientific approach to collecting, representing, and analysing data using technological tools effectively. After critically evaluating their procedures or models, students

communicate scientifically to draw evidence-based conclusions that may lead to further testing, exploring more effective methods or solutions, or new questions.

Cross Disciplinary Studies

Integrated Learning

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

Integrated Learning draws links between aspects of students' lives and their learning. Students apply their knowledge and skills to a real-world task, event, learning opportunity, or context, for a specific purpose, product, or outcome. Through the key areas of study in Integrated Learning, students develop and demonstrate their capabilities. They have opportunities to explore the ways in which they demonstrate the capabilities in different contexts. Integrated Learning is undertaken as a class or group and may involve a community-based project.

Community Studies

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

The subject of Community Studies provides students with insights into the ways in which communities are shaped and operate. It offers the opportunity to learn in a community context, both within and beyond the school environment. Students develop capabilities that enable them to contribute effectively to community activities. Through interaction with teachers, peers, and community members, students use their experiences as a means of achieving personal growth and gaining an awareness of their community identity. The students are provided with opportunities to identify how they can make valuable contributions to their community and society as a whole.

Workplace Practices

Prerequisites: None

Subject Length: One or Two Semesters (10 or 20 Credits)

Students develop knowledge, skills, and understanding of the nature, type and structure of the workplace. They learn about the value of unpaid work to society, future trends in the world of work, workers' rights and responsibilities and career planning. Students can undertake learning in the workplace through work placements and develop and reflect on their capabilities, interests, and aspirations. The subject may include the undertaking of a vocational education and training (VET) course

Research Project

Prerequisites: None

Subject Length: One Year, Stage 2 (10 Credits)

In the Research Project, students have the opportunity to study an area of interest in depth. They use their creativity and initiative, while developing the research and presentation skills they will need in further study or work.