



DOCUMENT 5C

SUMMARY OF SUBJECT CONTENT REQUIREMENTS FOR SECONDARY TEACHING

This document supersedes Document 5A (deleted from website). Requirements are NOT altered.

This document must be read in conjunction with **DOCUMENT 5 GRADUATE TEACHER STANDARDS 1.1.1-1.1.3 - SUBJECT CONTENT REQUIREMENTS.**

Subject Area Years 7-12	Relevant areas of academic study for first teaching subject	Relevant areas of academic study for second teaching subject
English	A major in English (3 years of degree level study with at least 4 units at level 2 or above) with at least 3 units of a strong core of textual studies including literature. Other units may include studies in communications, creative writing, linguistics, media studies.	At least 2 years (4 units) of degree level study in English with at least 2 units at level 2 or above including at least 2 units of a strong core of textual studies including literature. Other units may include studies in communications, creative writing, linguistics, media studies.
Mathematics	A major in pure or applied mathematics (3 years of degree level study with at least 4 units at level 2 or above) (must include algebra and calculus). One unit only of statistics may be counted provided it is studied as a stand-alone unit.	At least 2 years (4 units) of degree level study in pure or applied mathematics with 2 units at level 2 or above (must include algebra and calculus). One unit only of statistics may be counted provided it is studied as a stand-alone unit.
Biology	A major in science (3 years of degree level study with at least 4 units at level 2 or above) of 4 units in biology and 2 units in one of chemistry or physics.	At least 2 years (4 units) of degree level study in science with at least 2 units at level 2 or above including 2 units in biology and 2 units in chemistry or physics.
Chemistry	A major in science (3 years of degree level study with at least 4 units at level 2 or above) of 4 units in chemistry and 2 units in one of physics or biology or earth and environmental science.	At least 2 years (4 units) of degree level study in science with at least 2 units at level 2 or above, including 2 units in chemistry and 2 units in one of physics or biology or earth and environmental science.
Earth and Environmental Science	A major in science (3 years of degree level study with at least 4 units at level 2 or above) of one unit in biology and one unit in geology or environmental science and 2 units in chemistry or physics and 2 other science units.	At least 2 years (4 units) of degree level study in science with at least 2 units at level 2 or above including one unit in biology and one unit in geology or environmental science and 2 units in chemistry or physics.
Physics	A major in science (3 years of degree level study with at least 4 units at level	At least 2 years (4 units) of degree level study in science with at least 2

	2 or above) of 4 units in physics and 2 units in one of biology or chemistry or earth and environmental science.	units at level 2 or above, including 2 units in physics and 2 units in one of biology or chemistry or earth and environmental science.
Aboriginal Studies	A major in Aboriginal studies (3 years of degree level study with at least 4 units at level 2 or above) in areas such as contact and Aboriginal history, anthropology, Aboriginal literature, Aboriginal language and linguistics.	At least 2 years (4 units) of degree level study in Aboriginal studies with 2 units at level 2 or above in areas such as contact and Aboriginal history, anthropology, Aboriginal literature, Aboriginal language and linguistics.
Ancient History	A major in ancient history (3 years of degree level study with at least 4 units at level 2 or above) in areas such as ancient history, archaeology.	At least 2 years (4 units) of degree level study in ancient history with 2 units at level 2 or above in areas such as ancient history, archaeology.
Business Studies	A major in business related studies (3 years of degree level study with at least 4 units at level 2 or above) including at least one unit of finance or accounting and one unit of business management and remaining units drawn from: business law (Australian/English), economics, human resource management, industrial relations, marketing.	At least 2 years (4 units) of degree level study in business related studies with at least 2 units at level 2 or above including at least one unit of finance and one unit of business management and 2 units drawn from business law (Australian/English), economics, human resource management, industrial relations or marketing.
Economics	A major in economics (3 years of degree level study with at least 4 units at level 2 or above).	At least 2 years (4 units) of degree level study in economics with 2 units at level 2 or above.
Geography	A major in geography (3 years of degree level study with at least 4 units at level 2 or above).	At least 2 years (4 units) of degree level study in geography with 2 units at level 2 or above.
Legal Studies	A major in social sciences (3 years of degree level study with at least 4 units at level 2 or above) including legal studies.	At least 2 years (4 units) of degree level study in social sciences with 2 units at level 2 or above including legal studies
Modern History	A major in modern history (3 years of degree level study with at least 4 units at level 2 or above) in areas such as Australian history, contact and Aboriginal history, early modern history, historiography, modern history.	At least 2 years (4 units) of degree level study in modern history with 2 units at level 2 or above in areas such as Australian history, contact and Aboriginal history, early modern history, historiography, modern history.
Society & Culture	A major in social sciences (3 years of degree level study with at least 4 units at level 2 or above) in areas such as Aboriginal studies, anthropology, archaeology, Asian or Pacific studies, civics, cultural studies, government, history, media studies, philosophy, politics, psychology (only one unit may	At least 2 years (4 units) of degree level study in social sciences with 2 units at level 2 or above in areas such as Aboriginal studies, anthropology, archaeology, Asian or Pacific studies, civics, cultural studies, government, history, media studies, philosophy, politics, psychology (only one unit may

	be counted), religion studies, social communication, sociology (at least one unit preferred).	be counted), religion studies, social communication, sociology (at least one unit preferred).
Studies of Religion	A major in social sciences (3 years of degree level study with at least 4 units at level 2 or above) in areas such as studies in religion (preferably comparative religions) and culture.	At least 2 years (4 units) of degree level study in social sciences with 2 units at level 2 or above in areas such as studies in religion (preferably comparative religions) and culture.
Agricultural Technology	a major in agriculture (3 years of degree level study with at least 4 units at level 2 or above) in an area such as agricultural science, agricultural technology or horticulture including studies of plants and animals, animal care, agricultural enterprises, chemical safety.	At least 2 years (4 units) of degree level study in social sciences with 2 units at level 2 or above in areas such as agricultural science, agricultural technology or horticulture including studies of plants and animals, animal care, agricultural enterprises, chemical safety.
Computing Technology Information Systems	A major in computing or computing technology (3 years of degree level study with at least 4 units at level 2 or above) including at least 2 units that develop skills in information and communications technologies and information systems eg database design including relational databases and communication systems/networking.	At least 2 years (4 units) of degree level studies in computing or computing technology with at least 2 units at level 2 or above including at least 2 units that develop skills in information and communications technologies and information systems eg database design including relational databases and communication systems/networking.
Computing Technology Software Design	A major in computing or computing technology (3 years of degree level study with at least 4 units at level 2 or above) including at least 2 units that develop skills in the design and development of software eg programming in a computer-based language and system analysis, design, development and testing.	At least 2 years (4 units) of degree level studies in computing or computing technology with at least 2 units at level 2 or above including at least 2 units that develop skills in the design and development of software eg programming in a computer-based language and system analysis, design, development and testing.
Design & Technology	A major in design or design related study (3 years of degree level study with at least 4 units at level 2 or above) in areas such as architecture, fashion design, graphic design, industrial design, interior design, landscape design, product design, including 2 units of practical application in designing and producing in one or more of the following technology related areas such as agriculture, computing, engineering, food technology, industrial technology (wood, metals, plastics), graphics/multimedia, textile technology.	At least 2 years (4 units) of degree level studies in design or design related study with at least 2 units at level 2 or above in areas such as architecture, fashion design, graphic design, industrial design, interior design, landscape design, product design, including 2 units of practical application in designing and producing in one or more of the following technology related areas such as agriculture, computing, engineering, food technology, industrial technology (wood, metals, plastics), graphics/multimedia, textile technology.
Engineering	A major in engineering or engineering	At least 2 years (4 units) of degree

Studies	studies (3 years of degree level study with at least 4 units at level 2 or above) including studies of the application of engineering principles and methods, management and problem-solving in engineering contexts, and responsibilities of engineers in society.	level study in engineering or engineering studies with 2 units at level 2 or above including studies of the application of engineering principles and methods, management and problem-solving in engineering contexts, and responsibilities of engineers in society
Food Technology	A major in food technology (3 years of degree level study with at least 4 units at level 2 or above) including theoretical studies and practical applications in food industry (such as Australian), food manufacture, food product development, contemporary food issues and food marketplace.	At least 2 years (4 units) of degree level study in food technology with 2 units at level 2 or above including theoretical studies and practical applications in food industry (such as Australian), food manufacture, food product development, contemporary food issues and food marketplace.
Graphics and Multimedia Technology	A major in graphic design or multimedia design (3 years of degree level study with at least 4 units at level 2 or above) including computer-aided design (CAD) and theoretical studies and practical applications in at least 3 of the following areas: architecture and architectural drawing (such as Australian), cabinet drawing, computer animation, engineering drawing, furniture drawing, landscape drawing, product and technical illustration.	At least 2 years (4 units) of degree level studies in graphic design or multimedia design with at least 2 units at level 2 or above including computer-aided design (CAD) and theoretical studies and practical applications in at least 3 of the following areas: architecture and architectural drawing (such as Australian), cabinet drawing, computer animation, engineering drawing, furniture drawing, landscape drawing, product and technical illustration.
Industrial Technology	A major in industrial design, industrial technology or technics areas or engineering (3 years of degree level study with at least 4 units at level 2 or above) including studies in areas such as wood, metals, plastics, electronics, technical drawing and engineering studies.**	At least 2 years (4 units) of degree level studies in industrial design with at least 2 units at level 2 or above, industrial technology or technics areas or engineering including studies in areas such as wood, metals, plastics, electronics, technical drawing and engineering studies.**
Textiles Technology	A major in textile studies (3 years of degree level study with at least 4 units at level 2 or above) in areas such as textile technology or fashion design and including theoretical studies and practical applications in areas such as design, properties and performance of textiles and textile, clothing, footwear and allied industries (such as Australian).	At least 2 years (4 units) of degree level study in textile studies with 2 units at level 2 or above in areas such as textile technology or fashion design and including theoretical studies and practical applications in areas such as design, properties and performance of textiles and textile, clothing, footwear and allied industries (such as Australian).
Personal Development, Health & Physical Education	A major (3 years of degree level study with at least 4 units at level 2 or above) in personal development and/or health studies (with a socio-cultural perspective) and/or physical education	At least 2 years (4 units) of degree level study in personal development and/or health studies (with a socio-cultural perspective) and/or physical education with at least 2 units at level 2 or above

	<p>WITH</p> <p>at least 3 units of study in health education including mental health, sexual health, relationships, drug education, child protection education, gender studies and risk taking behaviour</p> <p>AND</p> <p>at least 3 units of study in physical education including contemporary physical activities, dance, gymnastics, games and sport. Vocationally oriented courses, coaching certificates, umpiring/refereeing accreditation in sports and physical activities are not recognised as equivalent.</p>	<p>WITH</p> <p>at least 2 units of study in health education including mental health, sexual health, relationships, drug education, child protection education, gender studies and risk taking behaviour</p> <p>AND</p> <p>at least 2 units of study in physical education including contemporary physical activities, dance, gymnastics, games and sport. Vocationally oriented courses, coaching certificates, umpiring/refereeing accreditation in sports and physical activities are not recognised as equivalent.</p>
Languages	<p>A major in a language (3 years of degree level study with at least 4 units at level 2 or above) including study of the spoken and written language.</p> <p>Where the language is an Aboriginal language there may be specific cultural requirements.</p>	<p>At least 2 years (4 units) of degree level study in a language with 2 units at level 2 or above including study of the spoken and written language.</p> <p>Where the language is an Aboriginal language there may be specific cultural requirements.</p>
Dance	<p>A major in dance (3 academic years of degree level study with at least 4 units at level 2 or above) including all of the following: history and analysis of dance, performance, with a technique base in modern/contemporary dance and ballet, applied anatomy and kinesiology, and composition/choreography. Dance studies must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.</p>	<p>At least 2 years (4 units) of degree level study in dance with 2 units at level 2 or above including all of the following: history and analysis of dance, performance, with a technique base in modern/ contemporary dance and ballet, applied anatomy and kinesiology, and composition/choreography. Dance studies must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.</p>
Drama	<p>A major in drama (3 academic years of degree level study with at least 4 units at level 2 or above) including all of the following: performance, production, theory, and preferably Australian drama. Drama studies must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.</p>	<p>At least 2 years (4 units) of degree level study in drama with 2 units at level 2 or above including all of the following: performance, production, theory, and preferably Australian drama. Drama studies must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.</p>
Music	<p>A major in music (3 academic years of degree level study with at least 4 units at level 2 or above) including all of the following: musicological study (music history and analysis) in a range of musical styles, periods and genres with a strong component of contemporary and western art music, compositional</p>	<p>At least 2 years (4 units) of degree level study in music with at least 2 units at level 2 or above including all of the following: musicological study (music history and analysis) in a range of musical styles, periods and genres with a strong component of contemporary and western art music, compositional</p>

	techniques, music performance studies (a minimum of 2 years of music performance studies) and preferably Australian music. The study of music and music practice must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.	techniques, music performance studies (a minimum of one year (2 units) of music performance studies) and preferably Australian music. The study of music and music practice must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.
Visual Arts	A major in visual arts (3 years of degree level study with at least 4 units at level 2 or above) including all of the following: practical studies in 2 and 3 and/or 4 dimensional art forms, art theory/history (a minimum of one year), and studio art making practice (a minimum of one year). The study of visual arts must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.	At least 2 years (4 units) of degree level study in visual arts with at least 2 units at level 2 or above including all of the following: practical studies in 2 and 3 and/or 4 dimensional art forms, art theory/history (a minimum of one unit), and studio art making practice (a minimum of one unit). The study of visual arts must be developed as a discrete discipline. Vocationally oriented courses are not recognised as equivalent.

Source: NSW Institute of Teachers *Supplementary Documentation Graduate Teacher Standards 1.1.1-1.1.3 Subject Content Requirements* (September 2007).

Additional notes

** Additional study may be undertaken in Industrial technology automotives - at least 2 units of automotive studies, Industrial technology building and construction - at least 2 units of study in building and construction, Industrial technology electronics - at least 2 units of study in electronics, Industrial technology multimedia - at least 2 units of study in multimedia.