HOW?

55 NZC based courses, 15 specialist areas of knowledge and skills, 1 generic subject!!!

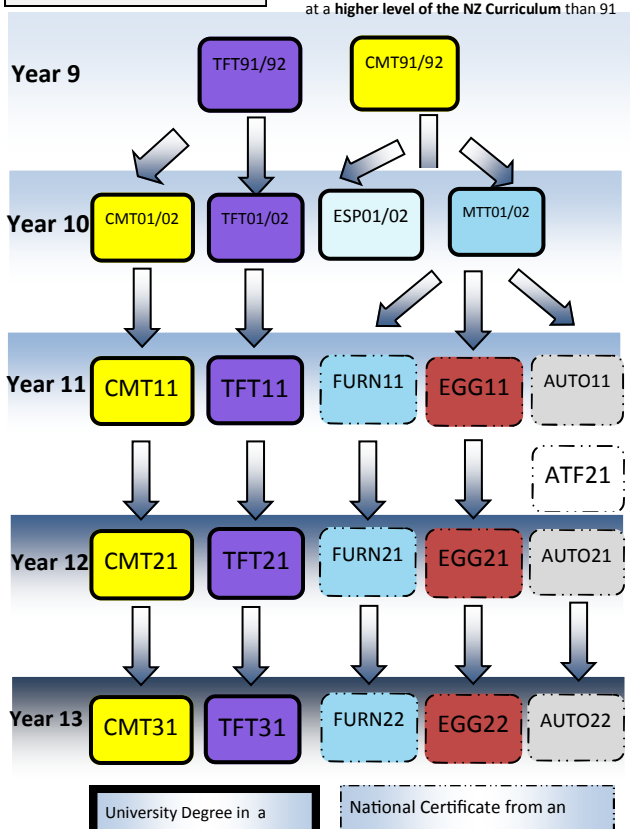
CMT

Construction and Mechanical Technologies Department

(Making products)

(6 specialist subjects)

Year 9 & 10 students should be aware that a **91** course is in first half of the year and is a **foundation study**. The **92** course is in second half of the year and is taught at a **higher level of the NZ Curriculum** than 91



University Degree in a Construction Mechanical Technology related field (BE/BSc) Product Design, Fashion Design, Engineering related subjects-Electrical, Mechanical, Industrial Designers.

Expected Salary Range- $45-$110K. Overseas travel likely.

Personality attributes: leader and team player, big picture thinker, passionate about and talented in particular field.

National Certificate from an Industry Trades Organisation (ITO) (MITO, FITEC)

Expected salary range- $45-$110K Overseas travel likely

Personality attributes: self motivated, independent thinker, broad skill and knowledge range, high level of 'common sense', respect for authority, thorough and methodical when following instruction, listens well to advice, passionate and talented in particular field.

Year 9 Course codes and outlines

CMT91 Materials Technology
Introductory course to product design using Resistant Materials.
CMT92 A 'step up' in difficulty from 91. Leads to NCEA senior Achievement Standards.

TFT91 Textiles and Fashion Technology
Introductory course to product design using Textiles.

TFT92 A 'step up' in difficulty from 91. Leads to NCEA senior Achievement Standards.

Year 10 Courses

CMT01/02 and TFT01/02 follow Year 9 format. Students who opt for course 02 in Year 10 are intending to continue into Year 11 NCEA. This is a U.E. entry course.

MTT01 Materials Transformation Technology
Introductory course. Learning focus upon skills, specialist equipment use and material knowledge, properties and applications.

MTT02 A 'step up' in difficulty from 91. Students in this course are intending to continue into ITO/ Trades senior courses: Furniture, Engineering, Automotive.

ESP01/02 Enterprise Studies Programme
Students learn innovation, collaboration and business skills to develop and produce a product, aiming to make a profit on outlay.

Year 11 CMT Courses

CMT11/12 Materials & product development , practical based course. Enables study at Level 6 NZC targeting students who wish to aim consistently for ***Merit and Excellence*** at NCEA Level 1. This is a U.E. entry course.

CMT21/22 Materials and product development course. Enables study above Level 7 NZC targeting students who wish to aim for ***Merit and Excellence*** at NCEA Level 2. This is a U.E. entry course.

CMT31/32 **Materials and product development** course. Enables study above Level 8 NZC targeting students who wish to aim for ***Merit, Excellence and Scholarship*** at NCEA Level 3 This is a U.E. entry course.

(Please refer to website for details of senior courses; TFT/FURN/EGG & AUTO)

DVC

Design and Visual Communications Department

(Visual Literacy/Creative thinking)

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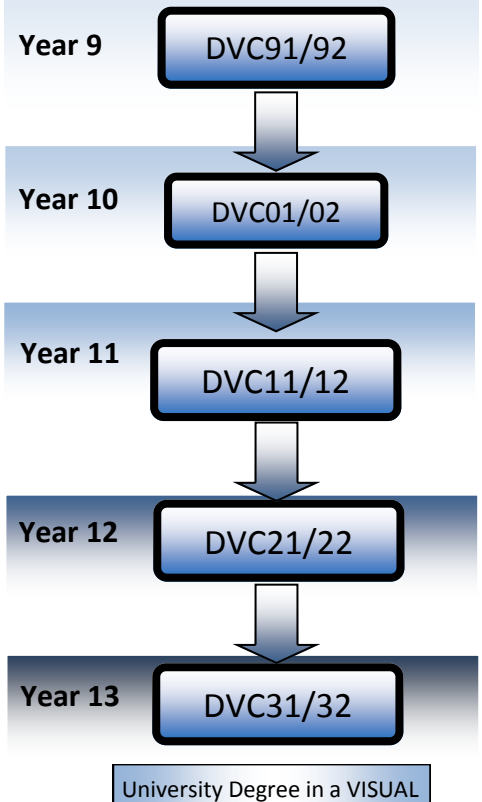

University Degree in a VISUAL Technology related field, Product Design, Industrial Designers, Architecture or Graphics related subject.

Expected Salary Range— $45-$110K Overseas travel likely

Personality attributes leader, innovative, creative, big picture thinker, passionate about and talented in particular field.

Year 9 Course codes and outlines

DVC91– Introductory course to graphic and visual product design. Learning focus upon specialist; equipment, literacy, and graphical techniques using traditional and computer aided design/manufacture (CAD/CAM). **DVC92**– A 'step up' in difficulty from 91. Learning focus as in 91.

Year 10

DVC01- NZC progression course. Learning focus upon increased depth of Technological literacy/numeracy and process; skills, specialist equipment use and material knowledge.
DVC02- Course for students intending study of NCEA at Year 11. A **significant step up** in difficulty from 01. Enables study up to Level 6 NZC-the expected standard for achievement in Year 11.

Year 11

DVC11 course. Enables study at Level 6 NZC. Students will access greater depth of understanding, knowledge and skills with an architectural and product design context, experiencing ***what is needed*** to become a professional design engineer.
DVC12 course. Enables study above Level 6 NZC targeting students who wish to aim consistently for ***Merit and Excellence*** at NCEA Level 1. This is a U.E. entry course.

Year 12

DVC21 course. Enables study at Level 7 NZC. Students experience ***being*** a design engineer.
DVC22 course. Enables study above Level 7 NZC targeting students who wish to aim for ***Merit and Excellence*** at NCEA Level 2. This is a U.E. entry course.

Year 13

DVC31 course. Enables study at Level 8 NZC. Students experience ***being a successful*** design engineer.
DVC32 course. Enables study above Level 8 NZC targeting students who wish to aim for ***Excellence and Scholarship*** at NCEA Level 3. This is a U.E. entry course.

DT

Digital Technologies Department

(Computer Science, Electronic & Digital applications)

(4 specialist subjects)

Year 9 & 10 students should be aware that a **91** course is in first half of the year and is a **foundation study**. The **92** course is in second half of the year and is taught at a **higher level of the NZ Curriculum** than 91

University Degree B.E./B.Sc. in a Digital Technology related field: web-design, product development , programming software, electronics engineers, gaming, animation, software development related subjects.

Expected Salary Range—$45-$110K overseas travel likely.

Personality attributes: future focussed, innovative, creative, leader, big picture thinker, passionate about and talented in this particular field.

National Certificate in Computing, CPIT online study

Personality attributes: future focussed, innovative, creative, independent thinker, broad skill and knowledge range, high level of 'common sense', passionate and talented in this particular field.

Year 9 Course codes and outlines

ECT91– (Electronics and Control Technologies) Introductory course to electronics and control in a context of programming robots.
ECT92– A 'step up' in difficulty from 91. Learning focus as in 91.
DIT91– (Digital Technologies)
Introductory course. Learning focus upon basic information, media, infrastructure and programming.
DIT92– A 'step up' in difficulty from 91. Learning focus as in 91.

Year 10 courses

DIT/ECT01 - Product design using electronics/digital technologies. NZC progression course.
DIT/ECT02-Course intended for students opting for NCEA at Year 11. A ***'significant step up'*** in difficulty from 01. Learning focus as in 01.

Year 11 courses

ECT11 **- Product design using electronics/digital technologies.** NZC Achievement Standards to assess basic concepts in the design and construction of electronic environments. This is a U.E. entry course.
DIT11 Media with Information course. Targeting students who wish to aim for ***Merit and Excellence*** at NCEA Achievement Standards, Level 1. This is a U.E. entry course.
DIT12 Computer Science, Programming and Infrastructure course. Targeting students who wish to aim for ***Merit and Excellence*** at NCEA Achievement Standards, Level 1.

Year 12

ECT21 - (2014) **Product design using electronics/digital technologies.** NZC Achievement Standards to assess advanced concepts in the design and construction of electronic environments. This is a U.E. entry course.
DIT21 Media and Programming course. Targeting students who wish to attain the depth and knowledge to achieve ***Merit and Excellence*** at NCEA Achievement Standards, Level 2. This is a U.E. entry course.
DIT22 (from 2014) Computer Science, Programming and Infrastructure course. Targeting students who wish to attain the depth and knowledge to achieve ***Merit and Excellence*** at NCEA Achievement Standards, Level 2. This is a U.E. entry course.
DIT23 Information with Media course. Enables study towards the National Certificate in Computing, Level 2. This course is assessed using Industry aligned Unit Standards.

Year 13 courses

ECT31 - (2015) **Product design using electronics/digital technologies.** NZC Achievement Standards to assess complex procedures and concepts in the design and construction of electronic environments. This is a U.E. entry course.

DIT31 Media and Programming course. Targeting students who wish to attain the depth and knowledge to achieve ***Merit, Excellence and Scholarship*** at NCEA Achievement Standards, Level 3. This is a U.E. entry course.

DIT32 (from 2015) Computer Science, Programming and Infrastructure course. Targeting students who wish to attain the depth and knowledge to achieve ***Merit, Excellence and Scholarship*** at NCEA Achievement Standards, Level 3. This is a U.E. entry course.
DIT33 Information with Media course. Enables study towards the National Certificate in Computing, Level 3. This course is assessed using Industry aligned Unit Standards.

PT

Processing Technologies Department

(Formulating processed products)

(4 specialist subjects)

Year 9 & 10 students should be aware that a **91** course is in first half of the year and is a **foundation study**. The **92** course is in second half of the year and is taught at a **higher level of the NZ Curriculum** than 91

University Degree in Nutrition-BSc/ BCApSc Dietetics.

Expected Salary Range—$45-$110K

Personality attributes: self motivated, independent thinker, broad skill and knowledge range, high level of 'common sense', passionate and talented in this particular field.

National Certificate in Hospitality (Introductory Cookery)
Expected Salary range - $45-110K

Personality attributes: self motivated, independent thinker, broad skill and knowledge range, high level of common sense', passionate and talented in this particular field.

Diploma in Teaching (Early Childhood Education

Expected salary range- $45-$110K
Personality attributes: self motivated, independent thinker, broad skill and knowledge range, high level of common sense', passionate and talented in this particular field.

University Degree in Food Technology

Expected Salary Range— $45-$110K overseas travel likely

Personality attributes: self motivated, independent thinker, broad skill and knowledge range, high level of common sense', passionate and talented in this particular field.

Year 9 Course codes and outlines

FBD91 Food By Design Introductory course. A generic course covering basics of food technology and cookery skills.

FBD92– A 'step up' in difficulty from 91. Learning focus as in 91.

Year 10

FDN01 Food, Nutrition and Hospitality Learning focus on nutritional requirements of adolescents and practical cookery skills.

FDN02 Food, Nutrition and Hospitality NCEA progression course. This course is intended for students opting for NCEA in Food and Nutrition at Year 11. A 'step up' in difficulty from FDN01.

FDT01 Food Technologies A 'step up' in difficulty from 01. Learning focus on the science of food, product development and evaluation.

FDT02 Course intended for students opting for NCEA Achievement Standards, at Year 11. A 'step up' in difficulty from 01.

Year 11

FDN11 Food and Nutrition course. Learning focus on nutritional requirements of adolescents and practical cookery skills. Assessed through Achievement Standards.

FDT11 Food Technology course. Learning focus on food's scientific principles, recipe development and ingredient functions. Assessed through Achievement Standards.

HOS11 Hospitality course. Learning focus on practical cookery skills, with a reduced amount of written work. Assessed through Unit Standards. Course leads to further tertiary training specialising in; chef, bakery, barrister and 'front of house' career fields.

Year 12

FDN21 Food and Nutrition course. Learning focus on nutritional issues in society. NZC Achievement Standards. This is a U.E. entry course.

FDT21 Food Technology course. Targeting students who wish to aim for ***Merit and Excellence*** at NCEA Level 2. Learning focus on food's scientific principles, recipe development and ingredient functions. This is a U.E. entry course.

ECS21 Early Childhood Studies Course. Enables study at Level 2 Unit Standards Industry based assessment. Learning focus on care and nutritional requirements of children.

HOS21 Hospitality course. Learning focus on practical cookery skills, with a reduced amount of written work. Assessed through Unit Standards. Course leads to further tertiary training specialising in; chef, bakery, barrister and 'front of house' career fields.

Year 13

FDN31 Food and Nutrition course. Learning focus on global influences on food consumption. This is a U.E. entry course.

FDT31 Food Technology course. Targeting students who wish to aim for ***Merit and Excellence*** at NCEA Level 3. Learning focus on food's scientific principles, recipe development and ingredient functions. This is a U.E. entry course.

ECS31 Early Childhood Studies Course. Unit Standards Industry based assessments. Learning focus on care and nutritional requirements of children.

HOS31 Hospitality course. Learning focus on practical cookery skills, with a reduced amount of written work. Assessed through Unit Standards. Course leads to further tertiary training specialising in; chef, bakery, barrister and 'front of house' career fields.