



# **Arrangements for:**

**HNC Jewellery  
G91T 15**

**HND Jewellery  
G91V 16**

**Validation date: August 2008**

**Date of original publication: January 2009**

**Version: 08 (February 2021)**

## **Acknowledgement**

SQA acknowledges the valuable contribution that Scotland's colleges have made to the development of Higher National qualifications.

## History of changes

It is anticipated that changes will take place during the life of the qualification, and this section will record these changes. This document is the latest version and incorporates the changes summarised below.

Version number	Description	Date
08	<b>Additional Unit:</b> H7V6 34 Developing Entrepreneurial Skills and F1MY 35 Jewellery Project to the optional section of the framework G91V 16	05/02/21
07	<b>Revision of Unit:</b> DV0M 34 Work Experience has been replaced in HND framework by HJ4W 34 Work Placement and will finish on 31/07/2019.	29/03/17
06	<b>Revision of Unit:</b> DE1K 33 Workplace Communication in English has been revised by H8T2 33 and finishes on 31/07/2016.	18/05/15
05	<b>Revision of Unit:</b> DK2K 34 Getting Started in Business <i>has been revised by H7V4 34 Preparing to Start a Business and will finish on 31/07/2016.</i> DE3N 34 Communication: Analysing and Presenting Complex Communication <i>has been revised by Communication: Business Communication and will finish on 31/07/2016.</i>	22/12/14
04	<b>Revision of Units:</b> F3Y6 34 <i>Jewellery: Lost Wax Casting: An Introduction</i> revised by H6DS 34 and will finish on 31/07/2014. DV5W 35 <i>Art and Design Project</i> revised by H380 35 and will finish on 31/07/2015. <i>Photography: An Introduction</i> (DW6C 34) added as an alternative to <i>Digital Imaging</i> (FD69 34). <i>CAD: Prototyping</i> (F219 35) added as an alternative to <i>Computer Aided Engineering (CAE) and Prototyping</i> (DR1R 35). <i>CAD: Visualisation, Rendering and Presentation</i> (DW18 34) and <i>CAD: Manufacturing</i> (F218 35) added as optional Units.	04/02/14
03	Addendum to communicate changes to Unit codes, added to page 8.	28/03/11
02	Credit transfer grid amended to change the predecessor Unit codes.	18/09/09

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# 1 Introduction

This is the Arrangements Document for the revised HNC and HND in Jewellery, which were validated in August 2008. This document includes background information on the development of the Group Awards, their aims, guidance on access, details of the Group Award structure, and guidance on delivery.

While a balance of research and practical skills is maintained during each course, the main focus is to produce skilled jewellery practitioners.

The revised Jewellery HNC (G91T 15) replaces its predecessors Jewellery: Production, Design and Business Management (G5DW 15) and Three Dimensional Design: Jewellery (G0FW15). The revised Jewellery HND (G91V 16) replaces its predecessor Jewellery: Production, Design and Business Management (G5DW 16) and Three Dimensional Design: Jewellery (G1T6 16).

## 2 Rationale for the revision of the Group Awards

The revision provided the opportunity to revise the content of the predecessor Jewellery Group Awards and ensure that they continued to meet the needs of the jewellery industry. The revised content and structures were informed by market research and therefore represent the views of industry members, Higher Education representatives, and previous candidates. Staff involved in the development of these Group Awards and who were also involved in European projects canvassed the opinions of their European colleagues with regard to course structure and content.

The need for the qualifications was identified through primary directed market research using questionnaires and targeted learners, universities and employers. Secondary market research based on publications, internet sources and information from lead bodies, was also used.

In addition, close scrutiny of Performance Indicators from centres delivering the predecessor Group Awards indicated that candidates tended to progress successfully; to a mix of employment, self-employment or to higher education.

The revision ensured the Group Awards are flexible enough to meet the diverse needs of the jewellery industry. Consideration was given to the need for candidates to be able to work in a niche market using small-scale production techniques which represent much of the current jewellery manufacturing industry in the UK. The situation, with regard to the mass production of jewellery, dictates that the main requirement in the future will be for individuals who can operate successfully in such a niche market and at the medium to higher end of the jewellery market.

This flexibility of the Group Awards allows centres to deliver their own particular specialisms and therefore helps provide a genuine choice to candidates looking to study this discipline. The range in the options sections allows a delivering centre to choose from a variety of Units, potentially meeting local area needs and employment opportunities.

In addition, these Group Awards provide a platform from which suitable candidates may articulate to degree programmes.

The revised awards, therefore, contain a blend of design studies, practical craft skills, production techniques, and the technologies of CAD and rapid prototyping to reflect the diverse range of skills required from the modern jeweller.

The HNC and HND may meet the vocational needs of those already in employment in the jewellery industry or those seeking to enhance their employment opportunities within their existing jobs. The revised Group Awards take account of the following:

- ◆ the need for a qualification with specialist provision accommodated within a flexible structure
- ◆ Units which allow for progression, meet the design principles and SCQF requirements
- ◆ the need to link with and articulate to other awards
- ◆ Units which may be used by those already in the jewellery industry to extend their skills and provide continuing professional development or by part-time candidates who wish to explore a particular aspect of the jewellery industry (eg stone setting, hand engraving, CAD)
- ◆ target groups including school leavers, adult returners, those who have completed college-devised National Certificate courses in jewellery and those in employment

## **2.1 Summary of market research**

Primary market research confirmed a continuing support for the Awards.

A number of employers were contacted across Scotland, with the information gathered used to inform the revision. Issues highlighted included the recent developments in CAD technology for the industry, and the nature of the industry in terms of the vocational and business skills required. These are particularly reflected in the revised HND framework. The practical side of the industry is reflected in the reference for both Graded Units to be project based. Overall, the general feeling was positive with respondents appearing to be content with the Units proposed and the blend of theory and practical included in the revised Group Awards.

The HE response emphasised a need for conceptual and design issues, particularly for HND candidates seeking third year entry into degree programmes. The use of CAD was also emphasised and the need for project-based Graded Units confirmed.

Candidates of the predecessor Group Awards were asked for their input and were positive about these. The need for practical skill development within the frameworks was emphasised. The inclusion of design and drawing, CAD and a strong preference for project-based Graded Units emerged from these consultations.

### **3 Aims of the Group Awards**

#### **3.1 Higher National Certificate**

##### **3.1.1 General aims of the HNC**

- 1 To develop transferable skills including the Core Skills of *Communication, Information and Communication Technology (ICT), Numeracy, Problem Solving* and *Working with Others*.
- 2 To develop study and research skills.
- 3 To develop knowledge and skills such as planning, analysing and synthesising.
- 4 To develop employment skills and enhance candidates' employment prospects.
- 5 To enable progression within the Scottish Credit and Qualifications Framework.
- 6 To provide academic stimulus and challenge, and foster an enjoyment of the subject.
- 7 To foster originality and innovation.

##### **3.1.2 Specific aims of the HNC**

- 8 To develop the skills to design and fabricate jewellery to a commercial standard.
- 9 To develop an understanding of the construction and production processes used in jewellery.
- 10 To develop an understanding of the qualities of materials used within the jewellery industry.
- 11 To provide the opportunity to acquire communication, study and research skills appropriate to the jewellery industry.
- 12 To equip candidates with the range of skills and competencies needed to embark on a career in the jewellery industry.

#### **3.2 Higher National Diploma**

##### **3.2.1 General aims of the HND**

In addition to the general aims of the HNC:

- 13 To develop study and research skills appropriate to SCQF level 8.
- 14 To develop transferable skills including Core Skills to the levels demanded by employers and for progression to Higher Education and degree courses.
- 15 To provide candidates with specialist skills for progression to further study in the area of jewellery design and manufacture.

### **3.2.2 Specific aims of the HND**

- 16 To provide additional range and depth of knowledge and skills of jewellery design and manufacture.
- 17 To provide, via a series of optional Units, the opportunity to acquire and enhance a range of specialised skills and knowledge in a chosen area related to career aspirations.
- 18 To equip candidates with a range of transferable business, management, communication and interpersonal skills by accessing optional Units.
- 19 To equip candidates with understanding of advanced and experimental materials and processes used in jewellery.

### **3.3 Target groups**

This course would be a suitable choice for candidates who are:

- ◆ creative and enjoy jewellery design and/or production
- ◆ qualified to NC level at SCQF level 5 or 6, or SVQ/NVQ level 2 in Jewellery, or hold a similar equivalent qualification from the UK or overseas
- ◆ interested in working in the jewellery industry
- ◆ currently employed within the jewellery industry
- ◆ seeking a career change

### **3.4 Employment opportunities**

Both Group Awards allow candidates to follow different career paths within the jewellery industry; such as manufacturing, design, self-employment or further study.

- ◆ candidates on completion of their HNC may progress onto HND
- ◆ employment after HNC would usually be at a level of basic skills within a workshop, bench work with further training
- ◆ candidates after completion of an HND may be employed with a view to training as a workshop manager or as a trainee designer



## 4 Access

### 4.1 Access to the Group Awards

The Group Awards are designed with the aim of providing candidates with the skills to meet the needs of the industry at various levels. The development of any programme must look to provide opportunities across the sector, and therefore include wide access arrangements for candidates.

While access to these Group Awards will be at the discretion of the centre, it would be beneficial if candidates possessed at least one of the following for access to the HNC/HND Jewellery:

- ◆ a National Certificate qualification or appropriate collection of National Certificate Units in Jewellery or equivalent qualification at SCQF level 5 or 6
- ◆ work experience in the jewellery or other related industry
- ◆ evidence of experience or qualifications in a related area of Art and Design
- ◆ where English is not the first language of the candidate, it is recommended that candidates possess English for Speakers of Other Languages at an appropriate level or IELTS at 5.5
- ◆ direct entry to the programme could be offered to those applying with equivalent qualifications from this country or other countries, providing the competencies can be identified and are appropriate
- ◆ any appropriate combination of the above qualifications

Additionally, centres may wish to consider appropriate support for those candidates for whom English is not their first language.

### 4.2 Recommended Core Skills entry level

The recommended Core Skills entry levels for the HNC and HND in Jewellery are as follows:

Core Skill	HNC recommended entry level	HND recommended entry level
Communication	SCQF level 5	SCQF level 6
Numeracy	SCQF level 4	SCQF level 5
ICT	SCQF level 4	SCQF level 5
Problem Solving	SCQF level 4	SCQF level 5
Working with Others	SCQF level 4	SCQF level 5

Where candidates lack an existing Core Skills profile, it is recommended that centres consider carrying out a profiling exercise to determine the level of Core Skills the candidate has. After scrutinising the result of the profiling, and after further discussion with the candidate, it is anticipated that centres would agree a programme of support activities for any candidate who did not meet this profile.

## 5 Group Award structures

### 5.1 Framework

#### Higher National Certificate in Jewellery (G91T 15)

Candidates must attain **all** of the mandatory Units (72 SCQF credit points/9 SQA credits), including one Graded Unit at SCQF level 7 (8 SCQF credit points/1 SQA credit). Candidates must **also** attain 24 SCQF credit points/3 SQA credits from the list of optional Units.

#### Mandatory Units (9 credits, worth 72 SCQF credit points)

Unit title	Unit code	SQA credit value	SCQF level	SCQF credit points
Jewellery: Manufacturing Techniques	F3Y7 34	2	7	16
Jewellery: Design and Manufacture	F3Y3 34	1	7	8
Jewellery: Rub-over Setting Techniques	F3Y9 34	1	7	8
Jewellery: Lost Wax Casting: An Introduction	H6DS 34**	2	7	16
CAD: 3D Modelling	DW13 34	2	7	16
Jewellery: Graded Unit 1	F4CE 34	1	7	8
<b>Totals</b>		<b>9</b>		<b>72</b>

#### Optional Units (candidates require 3 credits, worth 24 SCQF credit points)

Unit title	Unit code	SQA credit value	SCQF level	SCQF credit points
Drawing for 3D Design	DX01 34	1	7	8
Client Initiated Design Project	DX3G 35	1	8	8
Art and Design Creative Process	DV5T 34	1	7	8
Creative Project for Artists and Designers	H381 35*	1	8	8
Art and Design Project	H380 35**	1	8	8
Art and Design Context	FD63 35*	1	8	8
Jewellery: Claw Setting Techniques	F3Y2 35	1	8	8
Jewellery: Mount Manufacture	F3XK 35	1	8	8
Jewellery: Enamelling Techniques	F3XV 34	2	7	16
Silversmithing: An Introduction	F3Y1 34	2	7	16
Jewellery: Experimental Techniques	F3X6 34	1	7	8
Jewellery: Using Alternative Materials	F3XY 35	2	7	8
Jewellery: Practical Gemmology	F3XJ 34	2	7	16
Photography: An Introduction OR	DW6C 34**	1	7	8
Digital Imaging	FD69 34*	1	7	8
Getting Started In Business	DK2K 34*	1	7	8
Communication: Analysing and Presenting Complex Information	DE3N 34*	1	7	8
Workplace Communication in English	H8T2 33**	1	6	8
CAD: Visualisation, Rendering and Presentation	DW18 34**	1	7	8
CAD: Manufacturing	F218 35**	2	8	16

\*Please refer to Addendum on page 8.

\*\*Refer to History of Changes for revision changes.

## Higher National Diploma in Jewellery (G91V 16)

For a candidate to achieve the HNC in Jewellery, they must attain **all** of the mandatory Units (136 SCQF credit points/17 SQA credits), including one Graded Unit at SCQF level 7, and one Graded Unit at SCQF level 8. Candidates must **also** attain 104 SCQF credit points/13 SQA credits from the list of optional Units.

**Mandatory Units** (17 credits, worth 136 SCQF credit points)

Unit title	Unit code	SQA credit value	SCQF level	SCQF credit points
Jewellery: Manufacturing Techniques Advanced	F3X7 35	2	8	16
Creative Project for Artists and Designers	H381 35*	1	8	8
Jewellery: Lost Wax Casting Advanced	F3Y5 35	2	8	16
Jewellery: Manufacturing Techniques	F3Y7 34	2	7	16
Jewellery: Design and Manufacture	F3Y3 34	1	7	8
Jewellery: Rub-over Setting Techniques	F3Y9 34	1	7	8
Jewellery: Claw Setting Techniques	F3Y2 35	1	8	8
Jewellery: Lost Wax Casting: An Introduction	H6DS 34**	2	7	16
CAD: 3D Modelling	DW13 34	2	7	16
Jewellery: Graded Unit 1	F4CE 34	1	7	8
Jewellery: Graded Unit 2	F4CF 35	2	8	16
<b>Totals</b>		<b>17</b>		<b>136</b>

**Optional Units** (candidates require 13 credits, worth 104 SCQF credit points)

Unit title	Unit code	SQA credit value	SCQF level	SCQF credit points
Silversmithing: An Introduction	F3Y134	2	7	16
Client Initiated Design Project	DX3G 35	1	8	8
Art and Design Creative Process	DV5T 34	1	7	8
Art and Design Context	DV5R 35*	1	8	8
Art and Design Project	H380 35**	1	8	8
Drawing for 3D Design	DX01 34	1	7	8
Jewellery: Pave Setting Techniques	F3Y8 35	1	8	8
Jewellery: Channel Setting Techniques	F3X5 35	1	8	8
Jewellery: Flush Setting Techniques	F3XL 35	1	8	8
Silversmithing: Advanced	F3Y0 35	2	8	16
Jewellery: Hand Engraving	F3Y4 35	1	8	8
Jewellery: Practical Gemmology	F3XJ 34	2	7	16
Jewellery: Advanced Gemmology	F3X4 35	1	8	8
Computer Aided Engineering (CAE) and Prototyping <b>OR</b> CAD: Prototyping	DR1R 35  F219 35**	2  2	8  8	16  16
Jewellery: Experimental Enamelling Techniques	F3XW 35	2	8	16
Jewellery Findings	F3XT 34	1	7	8
Jewellery: Forming Techniques	F3XX 34	2	7	16
Jewellery: Mount Manufacture	F3XK35	1	8	8
Jewellery: Enamelling Techniques	F3XV34	2	7	16
Jewellery: Experimental Techniques	F3X634	1	7	8

Unit title	Unit code	SQA credit value	SCQF level	SCQF credit points
Jewellery: Using Alternative Materials	F3XY35	2	7	16
Digital Imaging Project	DX33 35	1	8	8
Photography: An Introduction OR	DW6C 34**	1	7	8
Digital Imaging	DV60 34*	1	7	8
Getting Started in Business	DK2K 34*	1	7	8
Communication: Analysing and Presenting Complex Information	DE3N 34*	1	7	8
Workplace Communication in English	H8T2 33**	1	6	8
Work Placement	HJ4W 34**	1	7	8
CAD: Visualisation, Rendering and Presentation	DW18 34**	1	7	8
CAD: Manufacturing	F218 35**	2	8	16
Developing Entrepreneurial Skills	H7V6 34**	1	7	8
Jewellery Project	F1MY 35**	1	8	8

\*Please refer to Addendum.

\*\*Refer to History of Changes for revision changes.

It would be recommended in the choice of Units to expand knowledge of the design process and practical jewellery skills. This could be achieved for example by: Creative Project for Artist and Designers or the Client Initiated Design Project and may also include practical Units such as *Jewellery: Claw Setting Techniques*.

The project based Graded Units were chosen because they reflect the practical nature of the course and meets selected aims. An investigation was chosen for Graded Unit 1 to allow candidates to explore design solutions within the practical areas they have already covered. A practical assignment was chosen for Graded Unit 2 to allow candidates to demonstrate creative technical skills at a higher level.

**\*Addendum — March 28 2011 — Jewellery HNC/HND Frameworks.**

The following Units have been revised and recoded for delivery from August 2011.

FD63 35      *Art and Design Context*

FD69 34      *Digital Imaging*

## 5.2 Mapping information

### 5.2.1 Relationship of aims to structure

Appendix 1: Relation of aims to structure includes a table which details how the aims of the award map against the Units on the framework.

### 5.2.2 Core Skills

Both the HNC and the HND may provide opportunities to develop Core Skills. The following table provides an indication of the recommended exit levels for all Core Skills. How these can be developed in the frameworks of the HNC/HND are shown in the Mapping of Units to Core Skills in Appendix 2.

<b>Jewellery HNC — Core Skills Entry/Exit level</b>		
<b>Core Skill</b>	<b>Recommended entry level</b>	<b>Recommended exit level</b>
Communication	SCQF level 5	SCQF level 6
Numeracy	SCQF level 4	SCQF level 5
Information and Communication Technology (ICT)	SCQF level 4	SCQF level 5
Problem Solving	SCQF level 4	SCQF level 5
Working with Others	SCQF level 4	SCQF level 5

<b>Jewellery HND — Core Skills Entry/Exit level</b>		
<b>Core Skill</b>	<b>Recommended entry level</b>	<b>Recommended exit level</b>
Communication	SCQF level 6	SCQF level 6
Numeracy	SCQF level 5	SCQF level 5
Information and Communication Technology (ICT)	SCQF level 5	SCQF level 6
Problem Solving	SCQF level 5	SCQF level 6
Working With Others	SCQF level 5	SCQF level 6

### **5.3 Articulation, professional recognition and credit transfer**

#### **5.3.1 Articulation**

While the main purpose of the Jewellery HNC and the HND is to provide the basis for vocational employment, successful completion of these qualifications may also allow candidates to articulate into relevant degree level courses in a number of art schools in Scotland and England.

#### **Articulation to HND — 2nd Year**

While articulation to the second year of the HND course will be at the discretion of the centre it is envisaged that candidates would have normally have achieved 15 SQA credits/120 SCQF credit points before entering the 2nd year of the course. This would normally include all the mandatory Units for the HNC (including the Graded Unit).

Where a full HNC Jewellery or equivalent has been achieved but the candidate does not have 15 SQA credits/120 SCQF credit points required for progression to year 2, it is recommended that an individual learning plan is formulated for the candidate so that it is clear on entry where the candidate would gain the Units required to make up a full HND.

### 5.3.2 Credit transfer

It is recommended that current candidates whether part-time or full-time who are in the process of completing the predecessor Group Awards, complete the Group Award for which they were registered rather than switch to the revised HNC/HND Jewellery.

However there may be occasions when it is not possible for candidates to complete the Group Award for which they were originally registered, eg where they were unable to complete their studies due to ill health or difficulties with their employer.

Candidates may be given credit transfer between HN Units (developed using 1988 design principles) and the revised HN Units (developed using 2003 design principles). There is no transition framework for the HND Jewellery but candidates can be given credit transfer for individual Units.

Credit transfer can be given where there is broad equivalence between the subject related content of the Unit or combination of Units. Candidates who are given credit transfer between predecessor Units and revised HN Units must still satisfy all other conditions of the revised HNC Jewellery and HND Jewellery, including the mandatory Units, Graded Units and the correct number of credits at the correct SCQF level.

The table below details where credit transfer can be given between predecessor Units and revised Units. These have been agreed by an External Verifier.

#### Unit credit transfer arrangements

The table below represents the credit transfer possibilities between revised framework and its predecessors Jewellery Production, Design and Business Management (G5DW 15) and Jewellery: Production, Design and Business Management (G5DW 16).

Predecessor Unit/code	Credit value	Revised Unit/code	Credit value
Jewellery: Manufacture 1 (D68X04)	2	Jewellery: Manufacturing Techniques (F3Y7 34)	2
Jewellery: Manufacture 2 (D68Y04)	2	Jewellery: Design and Manufacture (F3Y3 34)	1
Jewellery: Stonesetting (A61V04)	2	Jewellery: Rub-over Setting Techniques (F3Y9 34) and	1
		Jewellery: Claw Setting Techniques (F3Y2 35)	1
Jewellery: Lost Wax Casting (D69D04)	2	Jewellery: Lost Wax Casting: An Introduction (F3Y6 34)	2
Jewellery: Practical Design (D69H04)	2	Art Design Project (DV5W 35)	1
Jewellery: History of Design (A3V104)	2	Art Design Context (DV5R 35)	1
Jewellery: Gemstones 1 (A61W04)	2	Jewellery: Practical Gemmology (F3XJ 34)	2
Jewellery: Alternative Processes (D69A04)	1	Jewellery: Using Alternative Materials (F3XY 35)	2
Jewellery: Enamelling (D69C04)	2	Jewellery: Enamelling Techniques (F3XV 34)	2

<b>Predecessor Unit/code</b>	<b>Credit value</b>	<b>Revised Unit/code</b>	<b>Credit value</b>
Workplace Experience (A6T134)	2	Work Experience (DV0M 34)	2
Jewellery: Mechanisms (D69B04)	1	Jewellery Findings (F3XT 34)	1
Communication: Presenting Complex Communication for Vocational Purposes (D5P304)	1	Communication: Analysing and Presenting Complex Communication (DE3N 34)	1
Introduction to Self Employment and Small Business (A6HD04)	1	Getting Started in Business (DK2K 34)	1
Jewellery: Preparing a Competition Entry (D69G04)	1	Art and Design Creative Process (DV5T 34)	1
Jewellery: Smallworking (D69F04)	2	Silversmithing: An Introduction (F3Y1 34)	2
Jewellery: Gemstones 2 (A61X04)	2	Jewellery: Advanced Gemmology (F3X4 35)	1

The table below represents the credit transfer possibilities between revised framework and its predecessors Three Dimensional Design: Jewellery (G0FW15). and Three Dimensional Design: Jewellery (G1T6 16).

<b>Predecessor Unit</b>	<b>Credit value</b>	<b>Revised Unit</b>	<b>Credit value</b>
Precious Metal Casting (DE0N 04)	2	Jewellery: Lost Wax Casting: An Introduction (F3Y6 34)	2
Setting Faceted Stones (DE0L 04)	2	Jewellery: Rub-over Setting Techniques (F3Y9 34) and Jewellery: Claw Setting Techniques (F3Y2 35)	1  1
Computer Aided Design (A2JA04)	2	CAD: 3D Modelling (DW13 34)	2
Design Project 1 (A2HP04)	1	Art and Design Context (DV5R 35)	1
Jewellery Design: Introduction to Silversmithing (DE0M04)	2	Silversmithing: An Introduction (F3Y1 34)	2
Jewellery: Lost Wax Casting Production (DC0Y04)	2	Jewellery: Lost Wax Casting Advanced (F3Y5 35)	2
Jewellery Mixed Materials (DE0R 04)	2	Jewellery: Experimental Techniques (F3X6 34)	2
Advanced Stone Setting (DC10 04)	2	Jewellery: Flush Setting Techniques (F3XL 35) and Jewellery: Channel Setting Techniques (F3X5 35)	1  1
Silversmithing (DE0T04)	2	Silversmithing: Advanced (F3Y0 35)	2

## **6 Approaches to delivery and assessment**

The jewellery industry is diverse and varied and this is reflected in the number of Units and specialisms which these courses encompass. The mandatory Units provide the underpinning knowledge for all candidates pursuing their career within the industry whilst the options, particularly in the HND, provide the opportunity to allow centres and candidates to develop specialisms that meet local needs.

The skills developed will include planning and organisational skills, skills in designing and the design process, and skills in hand manufacture, small batch production and finishing of jewellery items. These skills will be demonstrated through practical exercises, design briefs and candidate centred projects and presentations. Throughout the practical components of both the HNC and the HND the use of safe and appropriate working practice is emphasised at all times.

Additionally a range of skills will be developed, such as research techniques, analytical skills, communication and presentation skills, the use of IT applications for administration and design, and the ability to work in teams and in co-operation with others.

### **6.1 Assessment**

One of the intentions behind the HN modernisation process is to reduce the assessment loading on candidates whilst maintaining the integrity of the qualification.

The revised Group Awards, where possible, encourage holistic assessment approaches for the Units. In particular, a number of the practical Units encourage development and experimentation through to production of finished items.

To achieve this, it is anticipated that a range of formative practical exercises and projects will be used to assess competences relating to hand skills and production work. This includes subjects such as Manufacturing Techniques, Stonesetting and Lost Wax Casting and where possible single assessment projects may be developed to encompass these areas into a single summative assessment.

Candidate-centred design projects are used to assess competences relating to development of ideas and the design process with candidates being encouraged to present their work to their peers wherever appropriate and appropriate.

A mix of short answer questions and reports may be used, where necessary, to support the practical assessments particularly in relation to options such as CAD, Gemmology or Business Studies.

### **6.2 Integration between Units**

One aim of the revision has been to consolidate the various jewellery specialisms into a single Group Award, resulting in a structure in which the mandatory elements reflect the main areas of a jeweller's activity, whilst retaining flexibility. The Group Awards are flexible enough to offer a range of subjects which are complementary to the mandatory section. As a result, a variety of specialist jewellery Units may be selected by delivering centres dependant on candidate interest and staff availability.



The following opportunities for integration exist:

Opportunities for integration between the Units, *Jewellery: Manufacturing Techniques* (F3Y7 34) and *Jewellery: Lost Wax Casting: An Introduction* (F3Y6 34) where candidates could hand-make an original item before proceeding to replicate the item using casting techniques. Depending on the design, the item may then be suitable for stone setting under the various stone setting Units available.

Some integration between the design based Units of *Art and Design Project* (DV5W 34), *Client Initiated Design Project* (DV5T 35) and the technology Unit *CAD: 3D Modelling* (DW13 34) may also be desirable to allow the candidates to produce computer generated designs and renderings for presentation purposes.

Some integration between *CAD 3D: Modelling* (DW13 34), *Computer Aided Engineering and Prototyping* (DR1R 35) and *Jewellery: Lost Wax Casting: An Introduction* (F3Y6 34)/*Jewellery: Lost Wax Casting: Advanced* (F3Y5 35) allowing a candidate to undertake a continuous project from the design process, through computer modelling and rapid prototyping to final casting and finishing stages.

### 6.3 Suggested full-time programmes of study

The programme may be delivered on a part-time or full-time basis. The following timetable suggestions are based on a centre offering the course over a standard three-block academic year.

#### HND: Year 1

##### 12 Weeks

Monday		
Tuesday	Art and Design Project DV5W 35 or Silversmithing: An Introduction F3Y7 34	Jewellery: Practical Gemmology F3XJ 34 or Digital Imaging DV60 34
Wednesday	Jewellery: Manufacturing Techniques (M) F3Y7 34	Jewellery: Manufacturing Techniques (M) F3Y7 34
Thursday	Jewellery: Design and Manufacture (M) F3Y3 34	
Friday		

**12 Weeks**

Monday		
Tuesday	Art and Design Context DV5R 35 or Silversmithing: An Introduction F3Y1 34	Jewellery: Practical Gemmology or Jewellery: Experimental Techniques F3XJ 34
Wednesday	Jewellery: Rub-over Setting Techniques (M) F3Y9 34	Jewellery: Lost Wax Casting: An Introduction (M) F3Y6 34
Thursday	CAD: 3D Modelling or Jewellery: DW13 34 Enamelling Techniques F3XV 34	
Friday		

**12 Weeks**

Monday		
Tuesday	Jewellery: Graded Unit 1 (M) F4CE 34	CAD: 3D Modelling or Jewellery: Enamelling Techniques DW13 34
Wednesday	Jewellery: Claw Setting Techniques (M) F3Y2 35	Jewellery: Lost Wax Casting: An Introduction (M) F3Y6 34
Thursday	Jewellery: Design and Manufacture (M) F3Y3 34	
Friday		

**(M) Denotes mandatory Unit**

**HND: Year 2****12 Weeks**

Monday	Jewellery: Pave Setting Techniques F3Y8 35 or Drawing for 3D Design DX01 34	Jewellery: Manufacturing Techniques Advanced (M) F3X7 35
Tuesday	CAD/Rapid Prototyping DR1R 35 or Forming Techniques F3XX 34	Creative Project for Artists and Designers (M) DX2Y 35
Wednesday		
Thursday	Silversmithing: Advanced F3Y0 35 or Jewellery: Hand Engraving Techniques F3Y4 35	
Friday		

**12 Weeks**

Monday	Jewellery: Channel Setting F3X5 35 Techniques or Client Initiated Design Project DX3G 35	Jewellery: Manufacturing F3X7 35 Techniques Advanced (M)
Tuesday	Computer Aided Engineering (CAE) and Prototyping DR1R 35 or Jewellery: Forming Techniques F3XX 34	Jewellery: Lost Wax Casting: Advanced (M) F3Y5 35
Wednesday		
Thursday	Jewellery: Graded Unit 2 (M) F4CF 35	
Friday		

**12 Weeks**

Monday	Jewellery: Mount Manufacture F3XIT 35 or Jewellery: Experimental Techniques F3X6 34	Jewellery: Lost Wax Casting: Advanced (M) F3Y5 35
Tuesday	Silversmithing: Advanced F3Y0 35 or Jewellery: Using Alternative Materials F3XY 35	
Wednesday		
Thursday	Jewellery: Graded Unit 2 (M) F4CF 35	Getting Started in Business DK2K34 or Digital Imaging DV60 34
Friday		

The programmes suggested above indicate how skills are built up during one year and two year courses. These suggested delivery patterns should not be seen as prescriptive but should be used as guides for delivering centres devising their own programmes. The timing of delivery of Graded Units is of particular importance as their placement in the academic year should enable the candidate to integrate their craft abilities as well as their knowledge and skills. Particular importance could be given to the sourcing and pricing of different types of materials in Graded Unit 1, whereas applications in manufacture could be explored in the Graded Unit 2.

### **Graded Unit 1**

The principal aims of the HNC are served by a design based project, in the form of an Investigation.

The Investigation requires the candidate to plan, develop and evaluate design solutions for an item of jewellery that encompasses skills and knowledge learned from the mandatory Units.

Techniques not covered within the mandatory part of the structure could be included and the candidate would explain the reasons behind their choices. The Investigation should be a thorough exploration of design solutions to a given brief.

Whilst design is the activity, this Graded Unit is a test of the understanding of techniques and knowledge in creating manufacturing solutions to designs. The Graded Unit encompasses the development of design ideas, final design solutions and an evaluation of the selection of designs and processes.

Candidates will present their work for this Unit with supporting documentation, simulating a client initiated project. There should be a wide element of creativity allowed in the format in which the presentation is made.

Successful completion of the Graded Unit will be awarded at A, B or C grade.

### **Graded Unit 2**

Graded Unit 2 takes the form of a Practical Assignment which involves candidates planning, undertaking and then evaluating the design and manufacture of one or more jewellery items.

Candidates are required to work to a given brief, and must plan, prepare and demonstrate their creative and technical skills from conceptualisation through design to a finished piece of jewellery.

As part of the self evaluation of this project, candidates could be required to provide a presentation to their peer group, outlining their experience during the project.

### **Open learning**

Full information on opportunities for open learning is included in each individual Unit specification. Although delivery through open learning may be available or suitable for some aspects of the course, due to the practical nature and specialist equipment required for the practical Units, it is not anticipated that either of these Group Awards would be delivered entirely through open learning.

## 7 General information for centres

### Candidates with disabilities and/or additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering alternative Outcomes for Units. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* ([www.sqa.org.uk](http://www.sqa.org.uk)).

### Internal and external verification

All instruments of assessment used within these Group Awards should be internally verified, using the appropriate policy within the centre and the guidelines set by SQA.

External verification will be carried out by SQA to ensure that internal assessment is within the national guidelines for these qualifications.

Further information on internal and external verification can be found in *SQA's Guide to Assessment and Quality Assurance for Colleges of Further Education* ([www.sqa.org.uk](http://www.sqa.org.uk)).

## 8 General information for candidates

The Jewellery HNC and HND are intended for those wishing to follow a vocational education in a range of fields associated with jewellery. Both are flexible enough to allow you to follow different career paths within the jewellery industry; such as manufacturing, design, self-employment or further study.

The mandatory section of each Group Award covers the topics essential to a jewellery career with the options the offering more specialised topic areas.

### Who should apply for this course?

This course would be a suitable choice if you are:

- ◆ creative and enjoy jewellery design and/or production
- ◆ qualified to NC level at SCQF level 5 or 6 or SVQ/NVQ level 2 in Jewellery or hold a similar equivalent qualification from the UK or overseas
- ◆ interested in working in the jewellery industry
- ◆ currently employed within the jewellery industry
- ◆ seeking a career change

### What kind of study is involved?

The following mandatory subject areas will be covered in the HNC:

- ◆ Manufacturing Techniques: practical work involving the use of hand tools for the production of jewellery items.
- ◆ Design and Manufacture Jewellery: practical work taking into account design considerations as part of the process.
- ◆ Rub-over Setting Techniques: edge setting of cabochon and faceted gemstones.
- ◆ Claw Setting Technique: claw setting of round and shaped faceted gemstones.

- ◆ Lost Wax Casting: exploration of the production of jewellery from wax patterns using investment casting techniques.
- ◆ Jewellery: Graded Unit 1: Project based Unit which allows you to be graded A, B or C in response to a given brief.

In addition to the mandatory Units for the HNC, the following mandatory subject areas will be covered in the mandatory section of the HND:

- ◆ Advanced Manufacturing Techniques: the production of more technically demanding items of jewellery.
- ◆ Creative Projects for Artists and Designers: an opportunity for candidates to produce innovative design solutions for client presentation.
- ◆ Advanced Lost Wax Casting: use of the casting technique for replication of jewellery items through the use of rubber moulds.
- ◆ CAD: 3D Modelling: use of design/engineering software for the production of computer models of jewellery items.
- ◆ Jewellery: Graded Unit 2: Project based Unit allow which allows the candidate to be graded A, B or C in response to a given brief.

The range of options available will be at the discretion of your centre and could include:

- ◆ Silversmithing
- ◆ Design in Context
- ◆ Enamelling
- ◆ Alternative Materials
- ◆ Mount Making
- ◆ Gemmology
- ◆ Pave/Channel/Flush Setting of gemstones
- ◆ Experimental Processes
- ◆ Hand Engraving
- ◆ Business Studies
- ◆ Communications
- ◆ Rapid Prototyping
- ◆ Digital Imaging
- ◆ Client Initiated Design Project
- ◆ Drawing for 3D Design

In order to achieve the HNC in Jewellery, you need to achieve 12 SQA credits. You must attain all of the mandatory Units (9 SQA credits), including one Graded Unit at SCQF level 7 (1 SQA credit). You must also attain 3 SQA credits from the list of optional Units.

In order to achieve the HND in Jewellery, you need to achieve 30 SQA credits. You must attain all of the mandatory Units (17 SQA credits), including one Graded Unit at SCQF level 7, and one Graded Unit at SCQF level 8. You must also attain 13 SQA credits from the list of optional Units.

The Graded Units, which are mandatory, are designed to integrate the knowledge and skills learnt throughout the course. Both Units are project based, with Graded Unit 1 a design project and Graded Unit 2 a design and manufacturing project. You will be graded A, B, or C for these.

A range of assessment methods may be employed across the structure of the Group Awards, including practical exercises, design briefs, reports, short answer questions and presentations.

Candidates that complete an HNC may provide a route to employment within the jewellery industry. Candidates that complete an HND can also gain employment within the industry or their qualification may lead to direct entry into 2<sup>nd</sup> or 3<sup>rd</sup> year in a BA Honours Degree programme within University courses.

## 9 Glossary of terms

**SCQF:** This stands for the Scottish Credit and Qualification Framework, which is a new way of speaking about qualifications and how they inter-relate. We use SCQF terminology throughout this guide to refer to credits and levels. For further information on the SCQF see Appendix 2 or visit the SCQF website at [www.scqf.org.uk](http://www.scqf.org.uk).

**SCQF credits:** One HN credit is equivalent to 8 SCQF credit points. This applies to all HN Units, irrespective of their level.

**SCQF levels:** The SCQF covers 12 levels of learning. HN Units will normally be at levels 6–9. Graded Units will be at level 7 and 8 (see Section 6 for further information on this).

**Subject Unit:** Subject Units contain vocational/subject content and are designed to test a specific set of knowledge and skills.

**Graded Unit:** Graded Units assess candidates' ability to integrate what they have learned while working towards the Units of the Group Award. Their purpose is to add value to the Group Award, making it more than the sum of its parts, and to encourage candidates to retain and adapt their skills and knowledge.

**Dedicated Core Skill Unit:** This is a Unit that is written to cover one or more particular Core Skills, eg HN Units in Information Technology or Communications.

**Embedded Core Skills:** This is where the development of a Core Skill is incorporated into the Unit and where the Unit assessment also covers the requirements of Core Skill assessment at a particular level.

**Signposted Core Skills:** This refers to the opportunities to develop a particular Core Skill at a specified level that lie outwith automatic certification.

**Qualification Design Team:** The QDT works in conjunction with a Qualification Manager/Development Manager to steer the development of the HNC/D from its inception/revision through to validation. The group is made up of key stakeholders representing the interests of centres, employers, universities and other relevant organisations.

**Consortium-devised HNCs and HNDs** are those developments or revisions undertaken by a group of centres in partnership with SQA.

**Specialist single centre and specialist collaborative devised HNCs and HNDs** are those developments or revisions led by a single centre or small group of centres who provide knowledge and skills in a specialist area. Like consortium-devised HNCs and HNDs, these developments or revisions will also be supported by SQA.

## **10 Appendices**

Appendix 1: Relationship of aims of award to structure

Appendix 2: Mapping of Units to Core Skills



## Appendix 1: Relationship of aims of award to structure

	<b>Unit code</b>	To develop transferable skills including the Core Skills of Communication, ICT, Numeracy, Problem Solving and Working with Others.	To develop study and research skills.	To develop knowledge and skills such as planning, analysing and synthesising.	To develop employment skills and enhance candidates' employment prospects.	To enable progression within the Scottish Credit and Qualifications Framework.	To provide academic stimulus and challenge, and foster an enjoyment of the subject.	To foster originality and innovation.
<b>HNC</b>								
Jewellery: Manufacturing Techniques	F3Y7 34			✓	✓	✓	✓	
Jewellery: Design and Manufacture	F3Y3 34	✓	✓	✓	✓	✓	✓	✓
Jewellery: Rub-over Setting Techniques	F3Y9 34		✓		✓	✓		
Jewellery: Lost Wax Casting: An Introduction	F3Y6 34	✓	✓	✓	✓	✓	✓	✓
CAD: 3D Modelling	DW13 34	✓	✓	✓	✓	✓		
Jewellery: Graded Unit 1	F4CE 34	✓	✓	✓	✓	✓	✓	✓

<b>Unit title</b>	<b>Unit code</b>	To develop transferable skills including the Core Skills of Communication, ICT, Numeracy, Problem Solving and Working with Others.	To develop study and research skills.	To develop knowledge and skills such as planning, analysing and synthesising.	To develop employment skills and enhance candidates' employment prospects.	To enable progression within the Scottish Credit and Qualifications Framework.	To provide academic stimulus and challenge, and foster an enjoyment of the subject.	To foster originality and innovation.
<b>HND</b>								
Drawing for 3D Design	DX01 34	✓	✓	✓	✓	✓	✓	✓
Client Initiated Design Project	DX3G 35		✓	✓	✓	✓	✓	✓
Art and Design Creative Process	DV5T 34		✓	✓	✓	✓	✓	✓
Creative Project for Artists and Designers	DX2Y 35	✓	✓	✓	✓	✓	✓	✓
Art and Design Project	DV5W 35	✓	✓	✓	✓	✓	✓	✓
Art and Design Context	DV5R 35		✓		✓	✓	✓	✓
Jewellery: Claw Setting Techniques	F3Y2 35				✓	✓	✓	
Jewellery: Mount Manufacture	F3XK 35				✓	✓	✓	
Jewellery: Enamelling Techniques	F3XV 34				✓	✓	✓	
Silversmithing: An Introduction	F3Y1 34	✓	✓	✓	✓	✓	✓	✓

<b>Unit title</b>	<b>Unit code</b>	To develop transferable skills including the Core Skills of Communication, ICT, Numeracy, Problem Solving and Working with Others.	To develop study and research skills.	To develop knowledge and skills such as planning, analysing and synthesising.	To develop employment skills and enhance candidates' employment prospects.	To enable progression within the Scottish Credit and Qualifications Framework.	To provide academic stimulus and challenge, and foster an enjoyment of the subject.	To foster originality and innovation.
Jewellery: Experimental Techniques	F3X6 34	✓	✓	✓		✓	✓	✓
Jewellery: Using Alternative Materials	F3XY 35	✓	✓	✓		✓	✓	✓
Jewellery: Practical Gemmology	F3XJ 34		✓		✓	✓	✓	
CAD: 3D Modelling	DW13 34	✓	✓	✓	✓	✓	✓	
Digital Imaging	DV60 34	✓	✓	✓	✓	✓	✓	
Getting Started In Business	DK2K 34	✓		✓	✓	✓	✓	
Communication: Analysing and Presenting Complex Information	DE3N 34	✓	✓	✓	✓	✓	✓	✓
Workplace Communication in English	DE1K 33	✓	✓		✓	✓	✓	

## Appendix 2: Mapping of Units to Core Skills

Unit title	Communication		Numeracy		Working with Others	Problem Solving	ICT
	Written	Oral	Using Number	Using Graphical Information			
Jewellery Manufacturing Techniques: Advanced	S5	S5					
Creative Project for Artists and Designers	S6	S6	S6	S6	S6	S6	S6
Jewellery: Lost Wax Casting Advanced	S6				S5	S6	
Jewellery: Manufacturing Techniques	S5						
Jewellery: Design and Manufacture						S5	
Jewellery: Rub-over Setting Techniques			S5		S5	S5	
Jewellery: Claw Setting Techniques			S6			S6	
Jewellery: Lost Wax Casting: An Introduction					S5	S5	
CAD: 3D Modelling			S6	S6		S6	S6
Jewellery: Graded Unit 1	S6	S6			S5	S5	
Jewellery: Graded Unit 2	S6	S6	S5	S5	S6	S6	S6
Silversmithing: An Introduction	S5	S5	S5		S5	S5	
Client Initiated Design Project	S6	S6	S6	S6	S6	S6	S6
Art and Design Creative Process	S6	S6				S6	S6
Jewellery: Pave Setting Techniques	S5	S5	S5	S5	S5	S5	
Jewellery: Channel Setting Techniques	S5	S5	S5			S5	
Jewellery: Flush Setting Techniques			S5			S6	
Silversmithing: Advanced	S6		S5		S5	S6	
Jewellery: Hand Engraving					S5	S6	
Jewellery: Advanced Gemmology						S6	
Computer Aided Engineering (CAE) and Prototyping						S6	S6
Jewellery: Experimental Enamelling Techniques	S5	S5			S5	S5	S5
Jewellery Findings	S6				S5	S5	
Jewellery: Forming Techniques	S5		S5		S5	S5	S5
Jewellery: Mount Manufacture			S6			S6	
Jewellery: Enamelling Techniques	S5	S5	S5			S5	S5
Jewellery: Experimental Techniques					S5	S5	
Jewellery: Using Alternative Materials	S6		S5			S6	

<b>Unit title</b>	<b>Communication</b>		<b>Numeracy</b>		<b>Working with Others</b>	<b>Problem Solving</b>	<b>ICT</b>
Digital Imaging Project						S6	S6
Getting Started In Business	S5		S5	S5		S6	S5
Communication: Analysing and Presenting Complex Communication	E6	E6					
Workplace Communication in English	E5	E5					

S/E = Signposted/Embedded, No. = SCQF level