



**2013 Curriculum for the Certificate
of Vocational Education
in Arts**

Metalwork and Jewelry Program

**Office of
the Vocational Education Commission
Ministry of Education**

Program Structure

2013 Curriculum for the Certificate of Vocational Education in Arts

Metalwork and Jewelry Program

The graduates of the Certificate of Vocational Education in Arts (Metalwork and Jewelry) must complete minimum 103 credits from different courses and participate in extracurricular activities are shown in the following structure.

1. Life Skills Courses		minimum 22 credits
1.1 Thai Language Courses		(minimum 3 credits)
1.2 Foreign Language Courses		(minimum 6 credits)
1.3 Science Courses		(minimum 4 credits)
1.4 Mathematics Courses		(minimum 4 credits)
1.5 Social Studies courses		(minimum 3 credits)
1.6 Health Education and Physical Education Courses		(minimum 2 credits)
2. Vocational Skills Courses		minimum 71 credits
2.1 Basic Vocational Skills Courses		(18 credits)
2.2 Specialized Vocational Skills Courses		(24 credits)
2.3 Elective Vocational Skills Courses		(minimum 21 credits)
2.4 Vocational Skills Practical Experience		(4 credits)
2.5 Vocational Skills Development Project		(4 credits)
3. Elective Courses		minimum 10 credits
4. Extracurricular Activities	(2 hours per week)	
	Total	minimum 103 credits

1. Life Skill Courses**minimum 22 credits**

In each group listed below, the first course is compulsory (except 1.6). The remaining credits can be selected from other courses within the group to meet the requirements. The chosen courses must be related to the program of study. The total credits should be at least 22.

1.1 Thai Language Courses (minimum 3 credits)

Code	Title	T – P – C
2000-1101	Basic Thai	2 – 0 – 2
2000-1102	Thai for Careers	1 – 0 – 1
2000-1103	Business Thai	1 – 0 – 1
2000-1104	Speaking for Careers	1 – 0 – 1
2000-1105	Writing for Careers	1 – 0 – 1
2000-1106	Creative Thai	1 – 0 – 1
2000*1101 to 2000*1199	Courses in this range are additionally developed by the individual colleges or institutes.	* - * - *

1.2 Foreign Language Courses (minimum 6 credits)

Code	Title	T – P – C
2000-1201	Real Life English 1	2 – 0 – 2
2000-1202	Real Life English 2	2 – 0 – 2
2000-1203	English Listening and Speaking 1	0 – 2 – 1
2000-1204	English Listening and Speaking 2	0 – 2 – 1
2000-1205	Reading Authentic Materials	0 – 2 – 1
2000-1206	Daily Writing	0 – 2 – 1
2000-1225	English for Arts and Design	0 – 2 – 1
2000*1201 to 2000*1299	Courses in this range are additionally developed by the individual colleges or institutes.	* - * - *

1.3 Science Courses (minimum 4 credits)

Code	Title	T – P – C
2000-1301	Science for Life Skills	1 – 2 – 2
2000-1304	Science for Arts	1 – 2 – 2
2000-1306	Science Project	0 – 2 – 1
2000*1301 to 2000*1399	Courses in this range are additionally developed by the individual colleges or institutes.	* - * - *

1.4 Mathematics Courses (minimum 4 credits)

Code	Title	T – P – C
2000-1401	Basic Mathematics	2 – 0 – 2
2000-1402	Basic Mathematics for Careers	2 – 0 – 2
2000-1407	Mathematics for Design	2 – 0 – 2
2000*1401 to 2000*1499	Courses in this range are additionally developed by the individual colleges or institutes.	* - * - *

1.5 Social Studies Courses (minimum 3 credits)

Code	Title	T – P – C
2000-1501	Civil Duties and Morals	2 – 0 – 2
2000-1502	Life Skills and Society	2 – 0 – 2
2000-1503	Geography and Thai History	2 – 0 – 2
2000-1504	ASEAN Studies	1 – 0 – 1
2000-1505	Current Affairs	1 – 0 – 1
2000-1506	ASEAN Culture	1 – 0 – 1
2000*1501 to 2000*1599	Courses in this range are additionally developed by the individual colleges or institutes.	* - * - *

1.6 Health Education and Physical Education Courses (minimum 2 credits)

Select any course(s) within this group for a total of not less than 2 credits.

1.6.1 Physical Education Courses

Code	Title	T – P – C
2000-1601	Physical Education for Health Development	0 – 2 – 1
2000-1602	Life Skills for Health Development	0 – 2 – 1
2000-1603	Physical Fitness for Work	0 – 2 – 1
2000-1604	Self-Defense	0 – 2 – 1
2000-1605	Physical Education for Disabled	0 – 2 – 1

1.6.2 Health Education Courses

Code	Title	T – P – C
2000-1606	Life Management for Happiness	1 – 0 – 1
2000-1607	Sexuality Education	1 – 0 – 1
2000-1608	Narcotic Education	1 – 0 – 1

1.6.3 Integrated courses

Code	Title	T – P – C
2000-1609	Skills for Healthy Behavior	1 – 2 – 2
2000-1610	Quality of Life Development	1 – 2 – 2

Code	Title	T – P – C
2000*1601 to 2000*1699	Courses in this range are additionally developed by the individual colleges or institutes.	* - * - *

2. Vocational Skills Courses minimum 71 credits

2.1 Basic Vocational Skills Courses (18 credits) All courses are compulsory.

Code	Title	T – P – C
2001-1001	Work Orientation	2 – 0 – 2
2001-2001	Computer and Information for Work	1 – 2 – 2
2300-1001	Basic Aesthetics	2 – 0 – 2
2300-1002	Creative Thinking	2 – 0 – 2
2300-1003	Art Appreciation	2 – 0 – 2
2300-1004	Art Composition	1 – 3 – 2
2300-1005	Basic Drawing	1 – 3 – 2
2300-1006	Thai Art	1 – 3 – 2
2300-1007	Perspective Drawing	1 – 3 – 2

- **Additional Basic Vocational Skills Courses**

Colleges and institutes can also provide the following courses under the Elective Vocational Skills Courses or Elective Courses.

Code	Title	T – P – C
2001-1002	Entrepreneurship	2 – 0 – 2
2001-1003	Energy and the Environment	1 – 2 – 2
2001-1004	Vocational Hygiene and Safety	1 – 2 – 2
2001-1005	Resource and Environment Conservation at Work	1 – 0 – 1
2001-1006	Labor Law	1 – 0 – 1
2001-1007	Work Safety	1 – 0 – 1

2.2 Specialized Vocational Skills Courses (24 credits) All courses are compulsory.

Code	Title	T – P – C
2305-2001	Nielloware 1	1 – 6 – 3
2305-2002	Nielloware 2	1 – 6 – 3
2305-2003	Chasing and Repousse 1	1 – 6 – 3
2305-2004	Chasing and Repousse 2	1 – 6 – 3
2305-2005	Jewelry 1	0 – 6 – 2
2305-2006	Art of Thai Ornaments 1	1 – 3 – 2
2305-2007	Metalwork and Jewelry Prototyping	1 – 3 – 2
2305-2008	Metalwork and Jewelry Pattern Design 1	1 – 3 – 2
2305-2009	Computer for Metalwork and Jewelry Design 1	1 – 3 – 2
2305-2010	Gilded Black Lacquer Making	1 – 3 – 2

2.3 Elective Vocational Skills Course (minimum 21 credits)

Select courses from the following list.

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Code	Title	T – P – C
2305-2101	Nielloware 3	1 – 6 – 3
2305-2102	Nielloware 4	1 – 6 – 3
2305-2103	Nielloware 5	1 – 6 – 3
2305-2104	Chasing and Repousse 3	1 – 6 – 3
2305-2105	Chasing and Repousse 4	0 – 6 – 2
2305-2106	Chasing and Repousse 5	0 – 6 – 2
2305-2107	Jewelry 2	0 – 6 – 2
2305-2108	Art of Thai Ornament 2	0 – 3 – 1
2305-2109	Metalwork and Jewelry Pattern Design 2	0 – 3 – 1
2305-2110	Computer for Metalwork and Jewelry Design 2	0 – 3 – 1
2305-2111	Drawing for Handicrafts	0 – 3 – 1
2305-2112	Basic Sculpture	0 – 3 – 1
2305-2113	Thai Sculpture	0 – 6 – 2
2305-2114	Multipurpose Leathers	0 – 6 – 2
2305-2115	Leather Souvenir	0 – 6 – 2
2305*2101 to 2305*2199	Elective courses in this range are additionally developed by the individual colleges or institutes according to the needs of the workplace or the regional strategies.	* - * - *

Dual Vocational Education (DVE)

2305-5101	Metalwork and Jewelry Practice 1	* - * - *
2305-5102	Metalwork and Jewelry Practice 2	* - * - *
2305-5103	Metalwork and Jewelry Practice 3	* - * - *
2305-5104	Metalwork and Jewelry Practice 4	* - * - *
2305-5105	Metalwork and Jewelry Practice 5	* - * - *
2305-5106	Metalwork and Jewelry Practice 6	* - * - *

For the Dual Vocational Education (apprenticeship) of minimum 21 credits, the college and the workplace together analyze the nature of the business of the workplace in order to determine the number of credits, appropriate courses in details, the occupational training plans, and the assessment and evaluation methods for the courses. The minimum total training time at the workplace is 54 hours, which is equivalent to 1 credit.

2.4 Vocational Skills Practical Experience (4 credits)

Select 2305-8001 Work Practice or, alternatively, select 2305-8002 Work Practice 1 and together with 2305-8003 Work Practice 2.

Code	Title	T – P – C
2305-8001	Work Practice	* - * - 4
2305-8002	Work Practice 1	* - * - 2
2305-8003	Work Practice 2	* - * - 2

2.5 Vocational Skills Development Project (4 credits)

Select 2305-8501 Project or, alternatively, select 2305-8502 Project 1 and together with 2305-8503 Project 2.

Code	Title	T – P – C
2305-8501	Project	* - * - 4
2305-8502	Project 1	* - * - 2
2305-8503	Project 2	* - * - 2

3. Elective Courses

minimum 10 credits

Courses can be chosen from the list below or from any area and program of study provided in the 2013 Curriculum for the Certificate of Vocational Education, according to students' aptitudes and interests. However, individual colleges and institutes can develop additional elective courses in relation to local community needs and contexts.

Code	Title	T – P – C
2305-9001	Jewelry Casting	1 – 3 – 2
2305-9002	Plating	0 – 3 – 1
2305-9003	Stone Setting	1 – 3 – 2
2305-9004	Prototyping	0 – 3 – 1
2305-9005	Product Design	0 – 3 – 1
2305-9006	Packing Design	0 – 3 – 1
2305-9007	Batiks	0 – 3 – 1
2305-9008	Screen Printing	1 – 3 – 2
2305-9009	Leathers	1 – 3 – 2
2305-9010	Modern Thai Sculpture	0 – 3 – 1
2XXX*XX01 to 2XXX*XX99	Elective courses in this range are additionally developed by the individual colleges or institutes according to the needs of the workplace or the regional strategies or further study.	* - * - *

4. Extracurricular Activities

(2 hours a week)

Code	Title	T – P – C
2000-2001	Rover Scout Activity 1	0 – 2 – 0
2000-2002	Rover Scout Activity 2	0 – 2 – 0
2000-2003	Vocational Organization Activity 1	0 – 2 – 0
2000-2004	Vocational Organization Activity 2	0 – 2 – 0
2000-2005	Vocational Organization Activity 3	0 – 2 – 0
2000-2006	Vocational Organization Activity 4	0 – 2 – 0
2000*2001 to 2000*20XX	Courses in this range are additionally developed or arranged by individual colleges, institutes or the workplace. This can be a military activity.	0 – 2 – 0