



2013 Curriculum for the Certificate of Vocational Education in Arts

Computer Graphics Program

Specializations:

Computer Graphic Art

Multimedia

Animation

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

Program Structure

2013 Curriculum for the Certificate of Vocational Education in Arts

Computer Graphics Program

The graduates of the Certificate of Vocational Education in Arts (Computer Graphics) 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
2000-1405	Introduction to Calculus and Analytic Geometry	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 (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
2000-1002	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	Safety at Work	1 – 0 – 1

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

Code	Title	T – P – C
2308-2001	Computer Operating Systems for Graphic Work	1 – 2 – 2
2308-2002	Computer Graphics for Publications	1 – 3 – 2
2308-2003	Visual Communication Design	1 – 4 – 3
2308-2004	Graphic Picture Making	1 – 4 – 3
2308-2005	Graphic Information	1 – 4 – 3
2308-2006	Graphic Videos	1 – 3 – 2
2308-2007	Graphic Animation	1 – 4 – 3
2308-2008	Computer Multimedia	1 – 4 – 3
2308-2009	Photo Retouching for Graphic Work	1 – 4 – 3

2.3 Elective Vocational Skills Course (minimum 21 credits)

Select any course (minimum 15 credits) from within one of the following specializations. Remaining courses can be from any other specializations within this section (2.3) to meet the credit requirement.

2.3.1 Computer Graphic Art

Code	Title	T – P – C
2308-2101	Art Compositions for Design	1 – 4 – 3
2308-2102	Principles of Color Uses for Graphic Work	1 – 4 – 3
2308-2103	Computers for Drawing	1 – 4 – 3
2308-2104	Advertising Board Design	1 – 4 – 3
2308-2105	Publication Graphic Design	1 – 4 – 3
2308-2106	Graphic Design for Advertising Boards	1 – 4 – 3
2308-2107	Graphic Design for Advertising Posters	1 – 4 – 3
2308-2108	Point-of-Purchase Graphic Design	1 – 4 – 3
2308-2109	Graphic Design for Transit Advertising	1 – 4 – 3
2308-2110	Graphic Design for Publications 1	1 – 4 – 3
2308-2111	Graphic Design for Publications 2	1 – 4 – 3
2308*2101 to 2308*2199	Elective courses in this range are additionally developed by the individual college or institute according to the needs of the workplace and or the regional strategies.	* - * - *

Dual Vocational Education (DVE)

2308-5101	Computer Graphic Art Practice 1	* - * - *
2308-5102	Computer Graphic Art Practice 2	* - * - *
2308-5103	Computer Graphic Art Practice 3	* - * - *
2308-5104	Computer Graphic Art Practice 4	* - * - *
2308-5105	Computer Graphic Art Practice 5	* - * - *
2308-5106	Computer Graphic Art Practice 6	* - * - *

2.3.2 Multimedia

Code	Title	T – P – C
2308-2201	Illustration Design	1 – 4 – 3
2308-2202	Art Compositions for Photography	1 – 4 – 3
2308-2203	Principles of Lighting in Photography	1 – 4 – 3
2308-2204	Computer-Aided Presentations	1 – 4 – 3
2308-2205	Multimedia for Computer-Aided Presentations	1 – 4 – 3
2308-2206	Graphic Information Production	1 – 4 – 3
2308-2207	Graphic Video Production	1 – 4 – 3
2308-2208	Computer Graphic Multimedia	1 – 4 – 3
2308*2101 to 2308*2199	Elective courses in this range are additionally developed by the individual college or institute according to the needs of the workplace and or the regional strategies.	* - * - *

Dual Vocational Education (DVE)

2308-5201	Multimedia Practice 1	* - * - *
2308-5202	Multimedia Practice 2	* - * - *
2308-5203	Multimedia Practice 3	* - * - *
2308-5204	Multimedia Practice 4	* - * - *
2308-5205	Multimedia Practice 5	* - * - *
2308-5206	Multimedia Practice 6	* - * - *

2.3.3 Animation

Code	Title	T – P – C
2308-2301	History of Animation	1 – 4 – 3
2308-2302	Character Design	1 – 4 – 3
2308-2303	Sketching for Graphic Work	1 – 4 – 3
2308-2304	Art Composition for Graphic Work	1 – 4 – 3
2308-2305	Critiques in Graphic Work	1 – 4 – 3
2308-2306	Graphic Animation Production	1 – 4 – 3
2308-2307	2D Animation Design	1 – 4 – 3
2308-2308	3D Animation Design	1 – 4 – 3
2308-2309	Computer Graphic Presentation Techniques	1 – 4 – 3
2308-2310	Computer Animation Production	1 – 4 – 3
2308*2101 to 2308*2199	Elective courses in this range are additionally developed by the individual college or institute according to the needs of the workplace and or the regional strategies.	* - * - *

Dual Vocational Education (DVE)

2308-5301	Animation Practice 1	* - * - *
2308-5302	Animation Practice 2	* - * - *
2308-5303	Animation Practice 3	* - * - *
2308-5304	Animation Practice 4	* - * - *
2308-5305	Animation Practice 5	* - * - *
2308-5306	Animation 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 2308-8001 Work Practice or, alternatively, select 2308-8002 Work Practice 1 and together with 2308-8003 Work Practice 2.

Code	Title	T – P – C
2308-8001	Work Practice	* - * - 4
2308-8002	Work Practice 1	* - * - 2
2308-8003	Work Practice 2	* - * - 2

2.5 Vocational Skills Development Project (4 credits)

Select 2308-8501 Project or, alternatively, select 2308-8502 Project 1 and together with 2308-8503 Project 2.

Code	Title	T – P – C
2308-8501	Project	* - * - 4
2308-8502	Project 1	* - * - 2
2308-8503	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
2308-9001	Computers for Design and Drawing	1 – 4 – 3
2308-9002	Basic Drawing	1 – 4 – 3
2308-9003	Computers for Design	1 – 4 – 3
2308-9004	Graphic Design for Printed Packages	1 – 4 – 3
2308-9005	Thai-English Typing for Computer Graphics	1 – 2 – 2
2308-9006	Information Technology	1 – 2 – 2
2308-9007	Digital Photography	1 – 4 – 3
2308-9008	Sticker Graphic Design	1 – 4 – 3
2308-9009	Computer for Basic Art Work	1 – 4 – 3
2317-1004	Introduction to Music Computer	1 – 2 – 2
2317-9001	Singing for Recreation	1 – 2 – 2
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