

**Exhibit 3.3-1 The program structure and study plan have been switched between production and gemology courses**

**1. Program Structure**

**Program Structure 2017**

<b>Details</b>		<b>Credits</b>
1. General Education Courses	no less than	<b>30</b>
2. Specific Required Course	no less than	<b>94</b>
2.1 Core Courses		<b>19</b>
2.1.1 Sciences and Mathematics Courses		10
2.1.2 Gems and Jewelry Courses		9
2.2 Major Courses	no less than	<b>75</b>
2.2.1 Required Courses		60
2.2.2 Elective Courses	no less than	15
3. Free Elective Courses	no less than	<b>6</b>
<b>Totals</b>	<b>no less than</b>	<b>130</b>

**Program Structure 2019**

<b>Details</b>		<b>Credits</b>
1. General Education Courses	no less than	<b>30</b>
2. Specific Requirement Courses	no less than	<b>94</b>
2.1 CCI Requirement Courses		<b>19</b>
2.2 Specific Courses	no less than	<b>75</b>
2.2.1 Major Required Courses		63
2.2.2 Major Elective Courses	no less than	12
3. Free Elective Courses	no less than	<b>6</b>
<b>Totals</b>	<b>no less than</b>	<b>130</b>

## Study Plan

Year 2017		Year 2019	
Year 1 Semester 1	Credits	Year 1 Semester 1	Credits
<b>General Education Courses</b>	<b>6 Credits</b>	<b>General Education Courses</b>	<b>6 Credits</b>
<b>Sciences and Mathematics Courses</b>	<b>3 Credits</b>	<b>CCI Requirement Courses</b>	<b>6 Credits</b>
MA115 Calculus I	3(3-0-6)	CCI101 Systematic Thinking and Mind Mapping*	1(1-0-2)
<b>Specific Requirement Courses</b>	<b>6 Credits</b>	CCI103 Industrial Aesthetics	2(0-4-2)
GJ292 Physics for Gems and Jewelry Industry	3(3-0-6)	CCI106 Reading Skills for Creative Business*	3(2-2-5)
GJ293 Chemistry for Gems and Jewelry Industry	3(3-0-6)		
<b>Major Required Courses</b>	<b>6 Credits</b>	<b>Major Required Courses</b>	<b>9 Credits</b>
GJ101 Systematic thinking and Mind Mapping for Jewelry	1(1-0-2)	GJ131 Jewelry Design for Manufacturing	3(1-4-4)
GJ115 Introduction to Gemstone Cutting	2(1-2-3)	GJ151 Business Ethics and Social Responsibility	1(1-0-2)
GJ131 Jewelry Design for Manufacturing	3(1-4-4)	GJ191 Physics for Gems and Jewelry Industry	2(2-0-4)
		GJ261 Jewelry Processing	1(1-0-2)
		GJ262 Jewelry Processing Laboratory	1(0-2-1)
		GJ267 Industrial Safety in Jewelry Manufacturing	1(1-0-2)
<b>Credits</b>	<b>21 Credits</b>	<b>Credits</b>	<b>21 Credits</b>

Year 2017		Year 2019	
Year 1 Semester 2	Credits	Year 1 Semester 2	Credits
<b>General Education Courses</b>	<b>6 Credits</b>	<b>General Education Courses</b>	<b>6 Credits</b>
<b>Sciences and Mathematics Courses</b>	<b>4 Credits</b>	<b>CCI Requirement Courses</b>	<b>6 Credits</b>
CH101 Principles of Chemistry II	3(3-0-6)	CCI102 Neo Material Technology	2(1-2-3)
CH191 Principles of Chemistry Laboratory II	1(0-3-0)	CCI104 Social Entrepreneurship*	2(1-2-3)
		CCI105 Public Speaking*	3(2-2-5)
<b>Major Required Courses</b>	<b>11 Credits</b>	<b>Major Required Courses</b>	<b>9 Credits</b>
GJ111 Introduction to Gemstone Industry	1(1-0-2)	GJ111 Introduction to Gemstone Cutting	2(0-4-2)
GJ112 Gem Identification I	1(1-0-2)	GJ231 Computer-Aided Design for Jewelry I	2(0-4-2)
GJ113 Gem Identification Laboratory I	2(0-4-2)	GJ264 Jewelry Production in Manufacturing*	1(1-0-2)
GJ116 Gem Identification II	1(1-0-2)	GJ265 Jewelry Production in Manufacturing Laboratory	3(0-6-3)
GJ117 Gem Identification Laboratory II	2(0-4-2)		
GJ118 Gem Identification III	1(1-0-2)		
GJ119 Gem Identification Laboratory III	2(0-4-2)		
GJ151 Business Ethics and Social Responsibility	1(1-0-2)		
<b>Credits</b>	<b>21 Credits</b>	<b>Credits</b>	<b>21 Credits</b>

Year 2017		Year 2019	
Year 2 Semester 1	Credits	Year 2 Semester 1	Credits
General Education Courses	3 Credits	General Education Courses	5 Credits
		CCI Requirement Courses	3 Credits
		CCI201 Business Writing and Communication*	3(2-2-5)
Major Required Courses	18 Credits	Major Required Courses	12 Credits
GJ201 Knowledge Management for Gems and Jewelry	1(1-0-2)	GJ201 Knowledge Management for Gems and Jewelry	1(1-0-2)
GJ231 Computer Aided Design for Jewelry	4(0-8-4)	GJ232 Computer-Aided Design for Jewelry II	2(0-4-2)
GJ251 Introduction to Gems and Jewelry Business	2(2-0-4)	GJ251 Introduction to Gems and Jewelry Business*	2(2-0-4)
GJ261 Introduction to Jewelry Processing	1(1-0-2)	GJ263 Master Mold	2(0-4-2)
GJ262 Introduction to Jewelry Processing Laboratory	1(0-2-1)	GJ266 Jewelry Prototype for Casting*	2(0-4-2)
GJ263 Master Mold	2(0-4-2)	GJ271 Materials for Gems and Jewelry Production	1(1-0-2)
GJ264 Jewelry Production in Manufacturing	1(1-0-2)	GJ272 Materials for Gems and Jewelry Production Laboratory	2(0-4-2)
GJ265 Jewelry Production in Manufacturing Laboratory	3(0-6-3)		
GJ266 Jewelry Prototype for Casting	2(0-4-2)		
GJ267 Industrial Safety in Jewelry Manufacturing	1(0-2-1)		
Credits	21 Credits	Credits	20 Credits

Year 2017		Year 2019	
Year 2 Semester 2	Credits	Year 2 Semester 2	Credits
General Education Courses	18 Credits	General Education Courses	10 Credits
Major Required Courses	3 Credits	Major Required Courses	11 Credits
GJ271 Materials for Gems and Jewelry Production	1(1-0-2)	GJ192 Chemistry for Gems and Jewelry Industry	2(2-0-4)
GJ272 Materials for Gems and Jewelry Production Laboratory	2(0-4-2)	GJ112 Gem Identification*	2(2-0-4)
		GJ113 Gem Identification Laboratory I*	2(0-4-2)
		GJ114 Gem Identification Laboratory II	2(0-4-2)
		GJ303 Pilot Research for Gems and Jewelry Production/Business	1(0-2-1)
		GJ341 Entrepreneurship*	2(2-0-4)
Credits	21 Credits	Credits	21 Credits