

## Part IV: Exhibits

### A. Expected learning outcomes of the Bachelor of Science in Gems and Jewelry Program

ELOs 2019			Bloom's Taxonomy	Skills	
				Generic	Specific
1. Explain liberal art and science concepts to enhance career in creative industry			II understanding	✓	
2. Build coacher skills with ethics, honesty, punctuality, and respectfulness to others.			III applying	✓	
3. Apply knowledge with community culture with social responsibility mindset			III applying	✓	
4. Use management and collaborating skills to develop business			III applying	✓	
5. Analyze statistical information using digital technology tools and to present the results.			IV Analyzing	✓	
6. identify gems and jewelry using design, production and gemology concept equivalent to international level			II understanding		
6.1 Basic concept of design techniques for jewelry in production	6.2 Basic of Jewelry production in manufacturing	6.3 basic of gems identification	II understanding		✓
7. apply designs and produce gems and jewelry using both conventional and recent techniques / technology for manufacturing			III applying		
7.1 Apply design techniques for producing jewelry productively	7.2 Produce jewelry using both conventional and recent technology for manufacturing	7.3 Identify gemstone to use properly for commercial and trading	III applying		✓
8. Appraise appropriate technology for adding values to gems and jewelry commercial products.			V evaluating		
8.1 Predicting design and trend for jewelry production	8.2 Synthesis thinking system for materials innovation for manufacturing	8.3 Evaluate gemstone from origin with advanced techniques	V evaluating		✓
9. Develop a start-up company using creativities, innovation and entrepreneurial skills.			VI Creating		✓

ELOs 2017		Skills	
		Generic	Specific
ELO 1	Able to apply general knowledge and basic sciences into gems and jewelry industry.		✓
ELO 2	Able to systematically manage gems and jewelry knowledge and effectively communicate them.		✓
ELO 3	Able to systematically analyze knowledge by using analyzing method, research methodology, learning and practicing process; and to enhance the competences by creatively applying technology with life-long learning skills.		✓
ELO 4	Expertise in gems and jewelry knowledge and skills to be able to synthesize, evaluate academic knowledge and articulate them in comprehensive way.		✓
ELO 5	Intellectual and mentally create Gems and jewelry innovation in global level.		✓
ELO 6	Able to work as an international level team, being either good follower or leader, with ethic, common wealth attitude and entrepreneurship mindset.	✓	
ELO 7	Able to properly use technology for researching and analyzing statistic data and for efficient communication in digital era.	✓	
ELO 8	Be honest, discipline and punctual.	✓	
ELO 9	Show public consciousness and sacrifice for common wealth.	✓	
ELO 10	Be conscious of integrating knowledge and culture with social responsibility and sustainability mindset.	✓	