

# INDUSTRIAL DESIGN - ASSOCIATE IN SCIENCE

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**Plan Code: 2904**

This program provides students with the knowledge and skills needed to enter industrial design or related professions. Students will learn industrial designing, drafting, and prototyping and will complete a portfolio that demonstrates the mastery of these skills. This program prepares students for transfer to a university with an industrial design program. This major requires the use of power tools and machinery in a woodshop and may lead to minor injuries and occasional mishaps if proper safety protocols are not followed. Appropriate training will be provided. Potential careers include Industrial Designer, Product Designer, Furniture Designer, Packaging Designer, Design Manager and Industrial Fabricator.

## Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Apply methodologies for designing industrial objects, such as ideation, prototyping, and fabrication.

## Program Requirements

Code Number	Course Title	Units
<b>REQUIRED COURSES</b>		
ARCHT 20	Visual Literacy and Civilization	3
DSGN 31	Visualizations for Industrial Design	3
DSGN 50	Design Materials and Tools	3
DSGN 53	Industrial Prototyping	3
DSGN 54	Design Methodologies	3
DSGN 60	Solidworks 1	1.5
DSGN 61	Solidworks 2	1.5
DSGN 71	Industrial Design Studio I	3
DSGN 72	Industrial Design Studio II	3
DSGN 73	Industrial Design Studio III	3
<b>Total Units</b>		<b>27</b>

# SOLIDWORKS ESSENTIALS - CERTIFICATE OF COMPLETION

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Plan Code: 6049

This program provides students with introductory skills to prepare to find employment as a designer or fabricator. Basic and intermediate skills are developed to effectively use the Solidworks software. This program can facilitate finding employment or advancement in the field of spatial design or related fields.

## Program Student Learning Outcomes

- Apply knowledge of theory and skillsets in Solidworks to projects related to industrial design and fabrication.

## Program Requirements

Code Number	Course Title	Hours
<b>REQUIRED COURSES</b>		
DSGN 660	Solidworks 1	54
DSGN 661	Solidworks 2	54
<b>Total Hours</b>		<b>108</b>