

# EXPLORE



**Bachelor's  
Degree  
+  
Dual  
Degree**

# BACHELOR'S DEGREE + DUAL DEGREE

**Future Society and Competency**

**Communication and Collaboration**

**Creative/Design Thinking, Analytics**

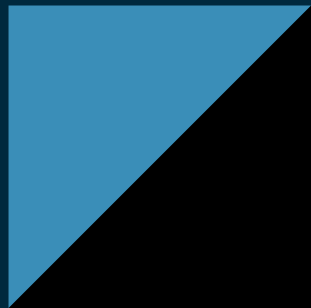
**Summer or Winter Session (Optional)**

**Option 1: Business and Social Science**

**Option 2: Software & IT**

**Option 3: Science and Engineering**

**Option 4: Liberal Arts**



## FUTURE SOCIETY AND COMPETENCY

AREA	COURSE TITLE	CREDIT
Ethics and Justice	<ul style="list-style-type: none"> <li>• Moral, Ethical and Social Responsibility</li> <li>• Environmental Ethics</li> <li>• Positive Balance and Mental Health</li> <li>• Diversity and Global Citizenship</li> </ul>	3 credits each
Human And Digital Interface	<ul style="list-style-type: none"> <li>• Communication of UI/UX &amp; People</li> <li>• User Experience Design and Development</li> <li>• Principle of Art &amp; Design</li> </ul>	3 credits each

## COMMUNICATION AND COLLABORATION

AREA	COURSE TITLE	CREDIT
Communication and Collaboration	<ul style="list-style-type: none"> <li>• Interpersonal Communication</li> <li>• Leadership and Teamwork</li> <li>• Communication by Digital Tools</li> <li>• Writing and Reasoning</li> <li>• Reading and Writing Composition</li> </ul>	3 credits each

## CREATIVE/DESIGN THINKING, ANALYTICS

AREA	COURSE TITLE	CREDIT
Analytics with Math	<ul style="list-style-type: none"> <li>• Statistics with SW Tools</li> <li>• Linear Algebra</li> </ul>	3 credits each
Design & planning for work	<ul style="list-style-type: none"> <li>• Design Thinking Process</li> </ul>	3
Define problem and Finding Solution in workplace	<ul style="list-style-type: none"> <li>• Consulting Process I</li> <li>• Consulting Process II</li> </ul>	3 credits each

## SUMMER OR WINTER SESSION (OPTIONAL)

AREA	COURSE TITLE	CREDIT
Pre-requisite core courses for specialization	<ul style="list-style-type: none"> <li>• Calculus 1</li> <li>• Calculus 2</li> <li>• Financial Accounting</li> <li>• Introduction to Financial Management</li> <li>• Investment Theory</li> <li>• World History</li> <li>• Introduction to World Literature</li> </ul>	3 credits each

## OPTION 1: BUSINESS AND SOCIAL SCIENCE

AREA	COURSE TITLE	CREDIT
Pre-requisite core courses for specialization	<ul style="list-style-type: none"><li>• Macroeconomics</li><li>• Microeconomics</li><li>• Introduction to Accounting</li><li>• Principles of Marketing</li><li>• People and Organization</li></ul>	3 credits each

## OPTION 2: SOFTWARE & IT

AREA	COURSE TITLE	CREDIT
Pre-requisite core courses for specialization	<ul style="list-style-type: none"><li>• Discrete Math and Mathematical Reasoning</li><li>• Introduction to Algorithms &amp; Data Structure</li><li>• Introduction to Database</li><li>• Computer Programming with Python</li><li>• Object-oriented Design and Programming</li><li>• Principles of Machine Learning</li><li>• Algorithm Practice Using Software Tools</li><li>• Formal Languages and Automata Theory</li></ul>	3 credits each

## OPTION 2: SOFTWARE & IT

AREA	COURSE TITLE	CREDIT
Pre-requisite core courses for specialization	<ul style="list-style-type: none"><li>• Discrete Math and Mathematical Reasoning</li><li>• Introduction to Algorithms &amp; Data Structure</li><li>• Introduction to Database</li><li>• Computer Programming with Python</li><li>• Object-oriented Design and Programming</li><li>• Principles of Machine Learning</li><li>• Algorithm Practice Using Software Tools</li><li>• Formal Languages and Automata Theory</li></ul>	3 credits each

## OPTION 3: SCIENCE AND ENGINEERING

AREA	COURSE TITLE	CREDIT
Pre-requisite core courses for specialization	<ul style="list-style-type: none"><li>• Introduction to Biology</li><li>• Introduction to Chemistry</li><li>• Introduction to Physics</li><li>• Introduction to Psychology</li><li>• Computer Organization and System</li><li>• Software Engineering</li><li>• Digital Logic Design</li><li>• Data Communications &amp; Network Fundamentals</li></ul>	3 credits each

## OPTION 4: LIBERAL ARTS

AREA	COURSE TITLE	CREDIT
<p>A field of study or academic discipline within a liberal arts curriculum, encompassing subjects such as humanities, social sciences, natural sciences, and arts.</p>	<ul style="list-style-type: none"> <li>• Experiencing Life to the Fullest</li> <li>• The Brain and Intelligence</li> <li>• Global Food Practices</li> <li>• The Dynamics of Human Interactions</li> <li>• Nations and Nationalism</li> <li>• AI and the Future of Humanity</li> <li>• Covid-19's Impact</li> <li>• The Environment at Risk</li> <li>• How to Help Others</li> <li>• Education's Effect on Life</li> <li>• Human Equality</li> <li>• The Value of Life</li> <li>• Leadership in the Modern Era</li> <li>• Philosophies of Life</li> <li>• Anxiety: Fear and Death</li> <li>• Love, Family and Relationships</li> <li>• Recognizing Identity</li> <li>• Structural, Symbolic, and Physical Violence Against Bodies</li> <li>• Animal Ethics</li> <li>• Trauma and Recovery: Understanding, Healing, and Growth</li> <li>• Competition and Cooperation in International Relations</li> <li>• International Institutions</li> <li>• Economic Growth in the Age of Competitive Globalization</li> <li>• Technology and the Changing Face of War</li> <li>• Understanding and Responding to Global Risk</li> <li>• Human Security</li> <li>• Democracy and Technology</li> <li>• Economic Policy and Big Data</li> <li>• Progress, Economics and Advanced Technology</li> <li>• Capitalism, Power and Big Tech</li> </ul>	<p>3 credits each</p>