	19 1	Carainit I		ataliand and inch
	Liberal arts subject	Specialized common subjects		ecialized subject
Freshman	★Safety and Health Management ★Basic Practice of ICT Basic Practice of ICT Basic Practice of ICT Basic Practice of ICT Basic Practice of ICT Beneral Lecture for Technologists A English Boglish Boglish Boglish Bosts Communication Design Thinking Creative Work Practices A Greative Work Practices B Fundamental Competencies for WorkingPersons	★Freshman Seminar ★Fundamental Engineering and Laboratory Works ★Basic Measurement Practices ★Introduction to Manufacturing technology Introduction to Mechanical Engineering Machine Sketching Basic Chemistry Basic Materials Engineering Basic Materials Engineering Basic Mathematics I Basic Mathematics II Basic Mathematics III Basic Physics II Basic Physics II Basic Physics II Basic Physics II Fundamental Physics Laboratory Works Design Techniques Basic Peter Circuits Business Communication I Business Communication II Product Design	Data Science and Practices Python Programming Exercises JavaScript Basics and Practices Fundamental of Robot Kinematics and its experiment Digital fabrication and Practices Basic numerical analysis and practice Machine Drawing Practices of Drawing with 2D CAD Applications II 3D CAD and Practice I Hand Finishing and Practices Machining and Basic Practices NC Program and Basic Practices Welding/Sheet Metal Forming and Practices	
Sophomore	Fundamental Competencies for WorkingPersons II English III Lifesving Technique Hygiene SDGs-A SDGs-B	**Project Practice Secondary Program ICT application and practice Basic Numerical Analysis Industrial Materials A Industrial Materials B Strength of Materials Strength of Materials Strength of Materials II Production Management Statistical data analysis Introduction to Thermal and Fluid Engneering Thermal Engineering Quality Control Introduction to Manufacturing System Fluid Engineering Basic Physics IV Machine System and Mechanism Mathematics for Engineering	AI / Information Systems Course	Introduction to Computer Network WEB Design and Practices Introduction to Semiconductor Engineering CG Programming and Practices Digital Circuit and Practices
			The Robotics System Course	Digital Circuit and Practices Electric and Electronic Technology Analog Electric Circuits and Practices Electric and Electronic Circuit and Experiments Control Technology Basics and Practices Control Technology and Experiments
			The Machine Design Course	Machine design and drawing I Mechanical dynamics experiment Basic Casting Practices Practices of Drawing with 2D CAD Applications II Electric and Electronic Circuit and Experiments Control Technology and Experiments Machine design and drawing II
			The Production Systems Course	Basic Casting Practices 3D CAD: Application and Exercises Material Evaluation and Experiments Metal Forming Practices Automotive Production Engineering
			★Basic Internship (40 days work)	
	General Lecture for Technologists B Language and culture Japanese Cultural Studies Civilization and society Fundamental Competencies for WorkingPersons III	★Products Development Project Program Industrial Constitution Acoustic Engineering Reliability Engineering User Experience Engineering Energy Engineering Ergonomics Heat Transfer Engineering Kansei Engineering Bioengineering Technical Communications Microdevices Introduction of Life Sciences Strategies for Intellectual Property Utilization	AI / Information Systems Course	Technology for Intelligent Systems Technology of Artificial Intelligence and Practices Java Programming and Practices Digital Media Design Practice Digital Image Processing C Language and Practices Mechatronics and Experiments Sensor Technology and Experiments Embedded Systems Fundamental Applied Embedded Systems Interface Engineering Technology for Internet of Things and Experiments IoT System Architecture
		Product development plan	The Robotics System Course	C Language and Practices Technology for Internet of Things and Experiments Java Programming and Practices Actuator and Experiments Embedded Systems Fundamental Applied Embedded Systems Feedback Control and Experiments Sensor Technology and Experiments Mechatronics and Experiments Mechatronics and Experiments I Robot Technology and Its Experiment II Robot Technology and Its Experiment III Robot Technology and Its Experiments III Robot Technology and Its Experiments III Robot Technology and Its Experiments IV Digital Image Processing
			The Machine Design Course	Applied Machine Elements Production Machinery Strength Design and Exercises CAE and Basic Exercises CAE and Applied Exercises 3D CAD and Digital Technical Product Documentation practice Sensor Technology and Experiments Automation Technology and Experiments CAD design and practice CAD/CAM and Practice Design Process of Industrial Productsand Practice
			The Production Systems Course	CAD/CAM and Practices NC Machining Practices Machine Work Experiments Manufacturing Technology A Machine Work B Grinding and Practices Plastic Molding and Practices Engineering of Production Systems and Exercises Precision Measurement and Experiments Forging and Practices Ultra Precision Machining and Practices Toyota Production System Practice and Case Study Casting and Practices
Senior	Learning and the world learned by Takeshi Umehara Management learned by Drucker Fundamental Competencies for WorkingPersons IV	*L Seminar	★Graduation Project Specialized Internship I (20 days work) Specialized Internship II (40 days work)	

		Liberal arts subject		Specialized common subjects		Specialized subject		
	★Safety and Healt	<u> </u>	★Freshperson Seminar		Basic Construction Design			
	★Safety and Health Management ★Basic Practice of ICT I		Basic mathematics		Basic Wooden Structure and Practices I			
	Basic Practice of ICT II		Building Construction and Methods I		Basic Practice of Construction 1			
	General Lecture for Technologists A		Basic Survey and Practices		Basic Finish and Practices			
	English I		Safety Engineering		Basic Construction Design and Practices II			
	English II		Basic mathematics II		Basic Wooden Structure and Practices II			
	English III		Building Construction and Methods II		Basic Practice of Construction II			
Freshman	Sprts Communication Design Thinking		Fundamental Wood Materials **structural mechanics			Basic Finish and Practices II ★Basic Construction Design and Practices III		
	Creative Work Practices A		Introduction to Architecture and Construction Theory			Basic Wooden Structure and Practices III		
	Creative Work Practices A		★Architecture Planning I		Basic Practice of Construction III			
	Fundamental Competencies for WorkingPersons I		structural mechanics II		Basic Finish and Practices III			
			Social Infrastrecture			Basic Construction Design and Practices IV		
			Soil mechanics		Basic Practice of Construction IV			
			City Planning		Basic Finish and Practices IV Basic Wooden Structure and Practices IV			
			Wood-based Materials and Wood Drying		Basic Wooden Structure a			
			cture-based Subjects		2	Training-based Subjects Basic Wooden Structure and Practices V		
	Construction		Construction Ethics History of Western Architecture			Basic Steel Structure and Practices V		
	Lifesving Technique Hygienel ★Environment I Environment II		Environment III		Basic Waterproofing, Coating and Practices			
				City Planning		gn II		
	★Architecture PlanningI		Building Production		Construction CAD and Practices I			
	Structures and Mat		Architecture Laws and Regulations II		Construction CAD and Practices II			
	Materials for Finishing System		Architecture Laws and Regulations IV		★Applied Construction Design I			
	Construction Schedule I		Surveying II		RC Construct and Practices Steel Structure Building and Practices			
		Wood-based Materials and Wood Drying		Construction Schedule II				
		oment Project Program II	★Architecture Laws and Regulations I			Applied Wooden Structure and Practices I		
Sophomore	Communication De	Fundamental Competencies for WorkingPersons II Communication Design		Architecture Laws and Regulations II Structure and Materialvi		Survey Practices I Construction CAD and Practices III		
	Construction Mater		Surveying I			Construction CAD and Practices III Applied Construction Design II		
			1 ' "		Finishing of RC Construct			
	l				Steel Structure Finishing and Practices			
	l					Applied Wooden Structure and Practices II		
	l					Survey Practices II		
					★ [Internship]			
					Basic Internship Internship for Architecture (primary course)			
						Internship for Survey Practices		
						(40 days work)		
			Lature-based Subjects		Training-based Subjects			
		★General Lecture for Technologists B	ecture-based Subjects	Wooden Structure Framework Methods		Design & Drawing of Japanese Wooden House I		
		★Construction Facilities and Equipment I		Timber Engineering		Wooden Structures, Integration and Practices I		
		Production Design Construction Economics I Construction Economics II Energy Ergonomics Quantity Survey for Construction I Quantity Survey for Construction II Housing Studies Construction Facilities and Equipment II Construction Facilities and Equipment III History of Japanese Architecture Construction Business Japanese Cultural Studies I Japanese Cultural Studies I Japanese Cultural Studies I Conservation and Restoration Erection Planning Lifesving Technique Hygienell Project Management Construction Management Construction Annagement Construction Facilities and Equipment IV History of Modern Architecture		Structural Design of Timber Structures Wood-Based Construction New Methods Wooden Building Interior and Exterior Finish Work Methods Wood Processing Methods Exercises I for Structural Design of Timber Structures Stereotomy Wood Allocation Exercises II for Structural Design of Timber Structures	Timber Construction	Timber Structures and Experiment I		
						Wooden Structures, Integration and Practices II		
						Design & Drawing of Japanese Wooden House II		
						Wooden Structures, Integration and Practices III		
						Timber Frame and Practices		
						Wooden Structures, Integration and Practices IV Design & Drawing of Japanese Wooden House III		
						Timber Structures and Experiment II		
						Wooden Structures, Integration and Practices V		
						Wooden Structures, Integration and Practices VI		
						Design & Drawing of Japanese Wooden House IV		
						Timber Structures and Experiment III		
						Wooden Structures, Integration and Practices VII		
						Wooden Structures, Integration and Practices VIII		
				RC Structure II RC Construction I RC Structure I		Loads on Buildings and Structural Design Practice of Urban Infrastructure		
						RC Structures; Integration and Practices I		
				Hydraulics and Soil Mechanics		Ground Survey and Soil Experimental Practice		
	l			Steel Structure		Structure Design II		
Junior	Common Lecture		Structure Construction	Nature and Urban II	Structure Construction	RC Structures; Integration and Practices II		
Jamoi	Johnson Lecture		ou actaire construction	Flood Control Construction Methods	Structure Construction	Structures of traditional building system ;Integration and Practices I		
				RC Construction II		Structures of traditional building system ;Integration and Practices II		
	1	Fundamental Competencies for WorkingPersons III		Building Construction Methods		Environmental Reseach and Practices		
				Hybrid Structure RC Diagnosis		Design of Building Environment and Services Structure Design III		
				Seismic Resistant and Isolation		RC Structures; Diagnosis and Practices		
				Bilding Exterior Construction System		Finishing Skills and Practices I		
				Substrate and Dry-Wet construction method for Finishings		Finishing Skills and Practices II		
				Interior Planning Building Maintenace Modenization and Preservation Landscape Maintenance	Finishing & Interior	Finishing Skills and Practices III		
			Finishing & Interior			Furniture Making Skill and Practice I (Design and Drawing)		
						Finishing Skills and Practices IV		
						Furniture-Making Skills and Practicell (Basic Wood Working)		
						Furniture-Making Skills and PracticellI(Basic Wood Working) Furniture-Making Skills and PracticelV(Applied Wood Working)		
						Furniture-Making Skills and Practice V(Applied Wood Working)		
				Architecture PlanningII Building Observation Methods Landscape Planning		Construction Total Design I		
						Design for Environment		
						Construction Total Design II		
				Garden Making Techniques	ArchitectureDesign	Environmental Survey and Practices		
				Landscape Design		Construction Total Design III		
	l			Interior Planning Nature and Urban II		Construction Total Design IV		
		1	ecture-based Subjects	INALUIE AND UIDAN II		Training hazard Subjects		
0	European 1 1 0		scure-based Subjects		A Doublette Double	Training-based Subjects		
Senior	rundamental Comp	petencies for WorkingPersons IV			★Products Development ★Graduation Project	Project Program IV		
						Specialized Internship Internship for Architecture (advanced course)		
						Specialized Internship for Survey Practices		
r Compuls								

★ Compulsory subject

	Specialized lecture subjects	Specialized training subjects	Common subjects	Project subjects		
	Advanced lecture of Computer Aided Engineering	Foundation of Model-driven software development	Drucker's Advanced Innovation	Training course for technologists as project staff; Course 1-Element technologies		
1st Year	Advanced Technology for Precision Equipment Design	Advanced information technology for manufacturing and practical training	Current state of the world	Training course for technologists as project staff;Course2- System design		
	Advanced Technology for Precision Equipment Manufacturing	Study of Management for Engineer	Drucker's Advanced Marketing	Training course for technologists as project staff;Course3- Project planning		
	Advanced Lecture on infrastructure	Advanced melting and solidification prosessing technology and practical training	Design for Manufacturing	Training course for technologists as project staff;Course4- Project management		
	Advanced Architectural Environmental Engineering	Advanced plastic forming technology and practical training	Monotsukuri system	Training course for technologists as project staff; Course 5 - Practice		
	Advanced lecture on Architectural Planning	Advanced machining technology and practical training	Advanced Digital Fabrication	Training course for technologists as project staff; Course 6 - Leadership		
	Building Facilities Engineering	Advanced analytical method for signal and information	Design of Manufacturing Process And Products for Human-Things Co-operation	Practical training of research activity for technologists; Course 1-Problemsolving		
	Advanced Lecture on Interior DesignDesign	Building Maintenance Engineering	Proposal Technique	Practical training of research activity for technologists; Course 2- Innovation		
	Advanced Lecture on Architectural History	Theory of Historic Preservation & Survey Practicum	Advanced lecture of Sustainable Development Goals			
	Advanced Lecture on City Planning	Advanced Stractural Design Technologies and Applications	Basic Lecture for Technologists			
	Design for Steel Structure	Productive and structural design system of Japanese wooden architecture	Research and Presentation for Technologists			
		Technology of Advanced Material				
2st Year		Conservation and Utilization				
		Advanced construction management technology				
		Studio Internship				
		Internship I				
		Internship II				
	Master's Degree Project					