In the Graduate School of System Informatics of Kobe University, both master's and doctoral programs provide outstanding education related to System Informatics to cultivate human resources in line with the degree awarding policy. Specifically, the systematic curriculum has been organized and executed as the following curriculum map shows.

Department of Systems Science , Graduate School of System Informatics Curriculum organization and implementation system where the students can reach the learning goals set in the diploma policy of Faculty of Engineering by taking the provided courses

		1st year of Master's Program		2nd year of Master's Program		Doctoral Program	
Degree Awarding Policy of the Faculty of Engineering	Learning goals	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	To acquire high ethical standards		OInformation Management				
	To acquire a solid understanding of the impact of science and technology on society				OAdvanced Course on Network Computing		
	To acquire the ability to take appropriate action	OAdvanced Course on Mathematical Statistics					
Creativity	To maintain the liberal and open-minded culture	OSpecific Research OAdvanced Science and Technology I	OSpecific Research	OSpecific Research	OSpecific Research	OSpecific Research	OSpecific Research
	To acquire the ability to resolve problems in a creative manner	OAdvanced Course on Applied Mathematics @Data Mining OLarge-Scale Software Engineering OComputational Science Practice 1 OAdvanced Science and Technology 1	OAdvanced Course on Systems Planning OAdvanced Course on Algorithm OArtificial Intelligence Construction OAdvanced Course on Computer Algebra	OAdvanced Course on Programming Languages Olinformation Visualization OAlgorithms for Parallel Computing	OComputational Biology OSystems Mechanics		OAdvanced Science and Technology II
	To acquire the ability to conduct exchanges with overseas partners	OTheory of Search and Learn	OAdvanced Course on Multimedia OComputational Science and Engineering I	OComputational Science and Engineering II			
International awareness	To acquire an understanding different cultures		OComputability Theory				
	to acquire the ability to exhibit individuality	OAdvanced Topics in Software Science			0		OAdvanced Science and Technology II
Expertise	lo acquire highly specialized knowledge	©Advanced Course on Systems Design ©Computational Robotics OData Mining ©Sensing Technology ⊙System Control Theory OProcessor Architecture	ØAdvanced Course on System Structure Theory OArtificial Intelligence Construction OAdvanced Course on Numerical Computation OAdvanced Course on Computar Algebra @Distributed Systems Theory @Biomechanics @Computational Science and Engineering 1	@Advanced Course on Systems Operation @Advanced Course on Programming Languages @Algorithms for Parallel Computing OInformation Visualization @Computational Science and Engineering II ODynamical Systems Theory	@Advanced Course on Network Computing OMathematical Modeling OComputational Physical Chemistry @Mixed Reality Systems		
	To acquire wide-ranging insights	©Advanced Course on Mathematical Statistics OSensing Technology OComputational Science Practice I @Advanced Science and Technology I OProcessor Architecture	OAdvanced Course on Numerical Computation ©Computational Science Practice II OBiomechanics	OAdvanced Course on Systems Operation @Advanced Course on Mathematical Logic ODynamical Systems Theory	OMathematical Modeling OComputational Biology OComputational Physical Chemistry OSystems Mechanics @Medical Information Systems		
	To acquire basic academic abilities to resolve issues from a broad perspective	OAdvanced Course on Systems Design OAdvanced Course on Applied Mathematics OAdvanced Course on Mathematics for Computer Science OSensing Technology OSystem Control Theory @Computational Science Practice I @Processor Architecture	Mathematical Theory of Distributed Systems Advanced Course on Algorithm Computability Theory Advanced Course on Numerical Computation Computer Algebra Obistributed Systems Theory OBiomechanics OComputational Science and Engineering I OComputational Science Practice II	OAlgorithms for Parallel Computing OComputational Science and Engineering II			
	To acquire practical skills and creativity to resolve issues from a broad perspective	OAdvanced Course on Applied Mathematics © Large-Scale Software Engineering OComputational Robotics © Theory of Search and Learn	Advanced Course on Systems Planning Øartificial Hrelligence Construction ØLarge-Scale Intelligent Systems ØInformation Management ØAdvanced Course on Multimedia OComputational Science Practice II	Olnformation Visualization ØApplied System Recognition Theory ØApplied System Planning Theory	©Mathematical Modeling ©Computational Physical Chemistry ©Computational Biology ©Systems Mechanics OMixed Reality Systems OMedical Information Systems	ØApplied Systems Theory	
	To acquire advanced and superior expertise	OLarge-Scale Software Engineering OSystem Control Theory @Advanced Topics in Software Science OSpecific Research	OAdvanced Course on System Structure Theory OSpecific Research	ODynamical Systems Theory OSpecific Research	©Advanced Mathematical System Theory OSpecific Research	OTheory of System Fundamentals	OTheory of System Innovation
	To acquire in-depth knowledge to work as researchers in their respective fields of specialty	OData Mining ©Specific Research	OAdvanced Course on System Structure Theory ©Design of information systems ©Specific Research	©Specific Research	©Specific Research	OTheory of System Fundamentals OSpecific Research	©Advanced Science and Technology II OTheory of System Innovation OSpecific Research
	To acquire highly specialized knowledge and wide-ranging insights to work as leading researchers in their respective fields of specialty					©Theory of System Fundamentals ©Specific Research	©Theory of System Innovation ©Specific Research

Department of Information Science , Graduate School of System Informatics Curriculum organization and implementation system where the students can reach the learning goals set in the diploma policy of Faculty of Engineering by taking the provided courses

Degrae		1st year of Master's Program		2nd vear of Master's Program		Doctoral Program	
Degree Awarding Policy of-the Faculty of Engineering	Learning goals	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
Enriched Humanity	To acquire high ethical standards		OInformation Management				
	To acquire a solid understanding of the impact of science and technology on society				OAdvanced Course on Network Computing		
	To acquire the ability to take	OAdvanced Course on Mathematical Statistics					
Creativity	appropriate action To maintain the liberal and open-minded culture	OSpecific Research OAdvanced Science and Technology I	OSpecific Research	OSpecific Research	OSpecific Research	OSpecific Research	OSpecific Research
	To acquire the ability to resolve problems in a creative manner	OAdvanced Course on Applied Mathematics @Data Mining OLarge-Scale Software Engineering OComputational Robotics OComputational Science Practice I OAdvanced Science and Technology I	OAdvanced Course on Systems Planning OAdvanced Course on Algorithm OArtificial Intelligence Construction OAdvanced Course on Computer Algebra	OAdvanced Course on Programming Languages Olnformation Visualization OAlgorithms for Parallel Computing	OComputational Biology OSystems Mechanics		OAdvanced Science and Technology II
International awareness	To acquire the ability to conduct exchanges with overseas partners	OTheory of Search and Learn	OAdvanced Course on Multimedia OComputational Science and Engineering I	OComputational Science and Engineering II			
	To acquire an understanding different cultures	Ondurred Tasias in	OComputability Theory				Oddurand Spinora and
	to exhibit individuality	Software Science					Technology II
Expertise	specialized knowledge	©Available Goussian @Computational Robotics OData Mining @Sensing Technology OSystem Control Theory OProcessor Architecture	System Structure Theory OArtificial Intelligence Construction OAdvanced Course on OMumerical Computation OAdvanced Course on Computer Algebra @Distributed Systems Theory @Biomechanics @Computational Science and Engineering I	Systems Operation @Advanced Course on Programming Languages @Algorithms for Parallel Computing Olinformation Visualization @Computational Science and Engineering II ODynamical Systems Theory	© Autalice of Computing OMathematical Modeling OComputational Physical Chemistry @Mixed Reality Systems		
	To acquire wide-ranging insights	©Advanced Course on Mathematical Statistics OSensing Technology OComputational Science Practice I @Advanced Science and Technology I OProcessor Architecture	OAdvanced Course on Numerical Computation ©Computational Science Practice II OBiomechanics	OAdvanced Course on Systems Operation @Advanced Course on Mathematical Logic ODynamical Systems Theory	OMathematical Modeling OComputational Biology OComputational Physical Chemistry OSystems Mechanics @Medical Information Systems		
	To acquire basic academic abilities to resolve issues from a broad perspective	OAdvanced Course on Systems Design @Advanced Course on Applied Mathematics @Advanced Course on Mathematics for Computer Science OSensing Technology OSystem Control Theory @Computational Science Practice I @Processor Architecture	©Mathematical Theory of Distributed Systems @Advanced Course on Algorithm @Computability Theory @Advanced Course on Computer Algebra ODistributed Systems Theory OBiomechanics OComputational Science and Engineering	OAlgorithms for Parallel Computing OComputational Science and Engineering II	◎Advanced Course on Set Theory		
	To acquire practical skills and creativity to resolve issues from a broad perspective	OAdvanced Course on Applied Mathematics @Large-Scale Software Engineering OComputational Robotics @Theory of Search and Learn	@Advanced Course on Systems Planning @Artificial Intelligence Construction @Large-Scale Intelligent Systems @Information Management @Advanced Course on Multimedia Ocomputational Science Practice II	©Information Visualization ©Applied System Recognition Theory ©Applied System Planning Theory	©Mathematical Modeling ©Computational Physical Chemistry ©Computational Biology ©Systems Mechanics OMixed Reality Systems OMedical Information Systems	©Applied Systems Theory	
	To acquire advanced and superior expertise	OLarge-Scale Software Engineering OSystem Control Theory ©Advanced Topics in Software Science OSpecific Research	OAdvanced Course on System Structure Theory OSpecific Research	ODynamical Systems Theory OSpecific Research	◎Advanced Mathematical System Theory OSpecific Research	OTheory of System Fundamentals	OTheory of System Innovation
	To acquire in-depth knowledge to work as researchers in their respective fields of specialty	OData Mining ©Specific Research	OAdvanced Course on System Structure Theory ©Design of information systems ©Specific Research	l⊚Specific Research	©Specific Research	OTheory of System Fundamentals OSpecific Research	©Advanced Science and Technology II OTheory of System Innovation OSpecific Research
	To acquire highly specialized knowledge and wide-ranging insights to work as leading researchers in their respective fields of specialty					©Theory of System Fundamentals ©Specific Research	©Theory of System Innovation ⊚Specific Research

Department of Computational Science , Graduate School of System Informatics Curriculum organization and implementation system where the students can reach the learning goals set in the diploma policy of Faculty of Engineering by taking the provided courses

[1st year of Master's Program		2nd year of Master's Program		Doctoral Program	
Degree Awarding Policy of the Faculty of Engineering	Learning goals	1st semester	2nd semester	1st semester	2nd semester	1st semester	2nd semester
	To acquire high ethical		OInformation				
Enriched Humanity	standards To acquire a solid understanding of the impact of science and technology on society		management		OAdvanced Course on Network Computing		
	To acquire the ability to take	OAdvanced Course on Mathematical Statistics					
Creativity	appropriate action To maintain the liberal and open-minded culture	OSpecific Research OAdvanced Science and Technology I	OSpecific Research	OSpecific Research	OSpecific Research	OSpecific Research	OSpecific Research
	To acquire the ability to resolve problems in a creative manner	OAdvanced Course on Applied Mathematics ©Data Mining OLarge-Scale Software Engineering OComputational OComputational Science Practice I OAdvanced Science and Technology I	OAdvanced Course on Systems Planning OAdvanced Course on Algorithm OArtificial Intelligence Construction OAdvanced Course on Computer Algebra	OAdvanced Course on Programming Languages Olinformation Visualization OAlgorithms for Parallel Computing	OComputational Biology OSystems Mechanics		OAdvanced Science and Technology II
	To acquire the ability to conduct exchanges with overseas partners	OTheory of Search and Learn	OAdvanced Course on Multimedia OComputational Science and Engineering I	OComputational Science and Engineering II			
International awareness	To acquire an understanding different cultures To acquire the ability	OAdvanced Topics in	OComputability Theory				OAdvanced Science and
	to exhibit individuality	Software Science		OAd used Course on			Technology II
Expertise	specialized knowledge	Systems Design @Computational Robotics OData Mining @Sensing Technology OSystem Control Theory OProcessor Architecture	System Structure Theory OArtificial Intelligence Construction OAdvanced Course on Numerical Computation OAdvanced Courses on Computer Algebra @Distributed Systems Theory @Biomechanics @Computational Science and Engineering I	Systems Operation @Advanced Course on Programming Languages @Algorithms for Parallel Computing Olinformation Visualization @Computational Science and Engineering II ODynamical Systems Theory	© Nutrained Computing OMathematical Modeling OComputational Physical Chemistry ©Mixed Reality Systems		
	To acquire wide-ranging insights	©Advanced Course on Mathematical Statistics OSensing Technology OComputational Science Practice I @Advanced Science and Technology I OProcessor Architecture	OAdvanced Course on Numerical Computation @Computational Science Practice II OBiomechanics	OAdvanced Course on Systems Operation @Advanced Course on Mathematical Logic ODynamical Systems Theory	OMathematical Modeling OComputational Biology OComputational Physical Chemistry OSystems Mechanics @Medical Information Systems		
	To acquire basic academic abilities to resolve issues from a broad perspective	OAdvanced Course on Systems Design @Advanced Course on Applied Mathematics @Advanced Course on Mathematics for Computer Science OSensing Technology OSystem Control Theory @Computational Science Practice I @Processor Architecture	©Mathematical Theory of Distributed Systems @Advanced Course on Algorithm @Computability Theory @Advanced Course on Numerical Computation @Advanced Course on Computer Algebra ODistributed Systems Theory OBiomechanics OComputational Science and Engineering	OAlgorithms for Parallel Computing OComputational Science and Engineering II	©Advanced Course on Set Theory		
	To acquire practical skills and creativity to resolve issues from a broad perspective	OAdvanced Course on Applied Mathematics @Large-Scale Software Engineering OComputational Robotics @Theory of Search and Learn	©Advanced Course on Systems Planning @Artificial Intelligence Construction @Large=Scale Intelligent Systems @Information Management @Advanced Course on Multimedia OComputational Science Practice II	©Information Visualization ©Applied System Recognition Theory ©Applied System Planning Theory	@Mathematical Modeling @Computational Physical Chemistry @Computational Biology @Systems Mechanics OMixed Reality Systems OMedical Information Systems	◎Applied Systems Theory	
	To acquire advanced and superior expertise	OLarge-Scale Software Engineering OSystem Control Theory @Advanced Topics in Software Science OSpecific Research	OAdvanced Course on System Structure Theory OSpecific Research	ODynamical Systems Theory OSpecific Research	©Advanced Mathematical System Theory OSpecific Research	OTheory of System Fundamentals	OTheory of System Innovation
	To acquire in-depth knowledge to work as researchers in their respective fields of specialty	OData Mining ©Specific Research	OAdvanced Course on System Structure Theory ©Design of information systems ©Specific Research	©Specific Research	©Specific Research	OTheory of System Fundamentals OSpecific Research	©Advanced Science and Technology II OTheory of System Innovation OSpecific Research
	lo acquire highly specialized knowledge and wide-ranging insights to work as leading researchers in their respective fields of specialty					l©Theory of System Fundamentals ©Specific Research	(© fheory of System Innovation ©Specific Research