

Bachelor of Science Program in Food Science and Technology (International Program)

1. Code and Program Title

In Thai : หลักสูตรวิทยาศาสตรบัณฑิต สาขาวิชาวิทยาศาสตร์และเทคโนโลยีการอาหาร
(หลักสูตรนานาชาติ)
In English : Bachelor of Science Program in Food Science and Technology
(International Program)

2. Degree Offered and Field of Study

In Thai Full Name : วิทยาศาสตรบัณฑิต (วิทยาศาสตร์และเทคโนโลยีการอาหาร)
Abbreviation : วท.บ. (วิทยาศาสตร์และเทคโนโลยีการอาหาร)
In English Full Name : Bachelor of Science (Food Science and Technology)
Abbreviation : B.Sc. (Food science and Technology)

3. Major Subject (If Applicable) –

4. Total Credits Required No less than 167 credits

5. Graduates' advancement

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| Career opportunities | <ol style="list-style-type: none">1) Graduates can fulfill positions as food scientists in food manufacturing and related companies.2) Graduates can work in Quality Control or Quality Assurance positions in food manufacturing and related enterprises.3) Graduates can work in product development departments in the food sector.4) Graduates can work in trading and services departments in private and governmental sectors.5) Graduates can work in customer relations for food companies.6) Graduates can work in the field of food science and technology in academic organizations either in Thailand or abroad. |
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| | 7) Graduates have the skill-set to pursue entrepreneurship in food and related businesses. |
| Further fields of study | Graduates can continue their study in the field of food science and technology such as innovative food design, food nutrition, public health, food economics, and related fields including supply chain management, marketing, food policy, business administration, production management, etc., in Thailand and abroad. |

6. Curriculum Structure

1) Foundation Courses

Non-Credit

2) General Education

no less than 30 Credits

| General Education Group | GC2 Track* | FE and GC Track* |
|---|------------|------------------|
| 1. English Communication | 10 | 14 |
| 2. GE Literacies | 12 | 12 |
| - MU Literacy | 2 | 2 |
| - Health Literacy | 2 | 2 |
| - Science and Environmental Literacy | 2 | 2 |
| - Intercultural and Global Awareness Literacy | 2 | 2 |
| - Civic Literacy | 2 | 2 |
| - Finance and Management Literacy | 2 | 2 |
| 3. GE Electives | 8 | 4 |
| Total | 30 | 30 |

*Students will be placed into specific tracks based on their achievement in the essay portion of the MUIC entrance exam.

3) Specific Courses

no less than 109 Credits

1. Core Courses

30 Credits

2. Major Required Courses

63 Credits

3. Experiential Learning Courses

8 Credits

Track A

Track B

Track C

4. Major Elective Courses

8 Credits

4) I-Design Electives

no less than 20 Credits

5) Free Electives

no less than 8 Credits

| 1) Foundation Courses | | Non-credit |
|-----------------------|------------------------|------------|
| ICMA100 | Foundation Mathematics | 0 |
| ICMA101 | Precalculus | 0 |

Note I: For B.B.A. students, students whose Mathematics placement is below ICMB151 Business Mathematics are required to take ICMA100 Foundation Mathematics and pass the course with the grade of "S" before moving to ICMB151 Business Mathematics.

For B.Sc. and B.Eng. students, students whose Mathematics placement is below ICMA106 Calculus I and/or ICMA151 Statistics for Science I are required to take ICMA101 Precalculus and pass the course with the grade of "S" before moving to ICMA106 Calculus I and/or ICMA151 Statistics for Science I.

For B.A.Sc. students, students whose Mathematics placement is below ICMA106 Calculus I and ICMA151 Statistics for Science I are required to take ICMA101 Precalculus and pass the course with the grade of "S" before moving to ICMA106 Calculus I and ICMA151 Statistics for Science I.

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| ICME101 | Foundation English: Communication Skills | 0 |
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Note I: Based on their achievement on the essay portion of the MUIC entrance exam, students whose English placement is below ICGC104 English Studies I: The Writer's Toolkit will be placed into the "FE Track". These students will be required to take ICME101 Foundation English: Communication Skills and pass the course with the grade of "S" before moving to ICGC104 English Studies I: The Writer's Toolkit.

2) General Education Courses

30 Credits

English Communication

10 –14 Credits

Note I: Based on their achievement on the essay portion of the MUIC entrance exam, students will be placed into 3 following tracks: 'FE Track', 'GC Track' and 'GC2 Track'.

- 'FE Track' – Students who are placed into 'FE Track' will be required to take ICME101 (a non-credit course) and complete 14 credits in English Communication: ICGC104, ICGC105, ICGC106 in order, and finally, any 200+ level English courses.
- 'GC Track' – Students who are placed into 'GC Track' will be required to complete 14 credits in English Communication: ICGC104, ICGC105, ICGC106 in order, and finally, any 200+ level English courses.
- 'GC2 Track' – Students who are placed into 'GC2 Track' will be required to complete 10 credits in English Communication: ICGC105, ICGC106 in order, and finally, any 200+ level English courses.

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| ICGC104 | English Studies I: The Writer's Toolkit | 4 |
| ICGC105 | English Studies II: The Writer's Voice | 4 |
| ICGC106 | English Studies III: Public Speaking | 4 |
| ICGC221 | English Studies IV: The World of English - Global Realities | 2 |
| ICGC222 | English Studies IV: The World of English - Literary Analysis | 2 |
| ICGC223 | English Studies IV: The World of English - Creative Writing | 2 |
| ICGC224 | English Studies IV: The World of English - Advanced Oral Communication | 2 |
| ICGC226 | English Studies IV: The World of English - Literature Into Film | 2 |
| ICGC228 | English Studies IV: The World of English - Language and Culture | 2 |
| ICGC230 | English Studies IV: The World of English - First and Second Language Acquisition | 2 |
| ICGC231 | English Studies IV: The World of English - Poetry | 2 |
| ICGC232 | English Studies IV: The World of English - The Short Story and the Novel | 2 |
| ICGC233 | English Studies IV: The World of English - Drama | 2 |
| ICGC234 | English Studies IV: The World of English - Literary Non-fiction | 2 |
| ICGC235 | English Studies IV: The World of English - Writing for Research | 2 |

GE Literacies

12 Credits

Note I: Students must complete courses in the following six categories: MU Literacy, Health Literacy, Science & Environment Literacy, Intercultural & Global Awareness Literacy, and Finance & Management Literacy. Each category requires a minimum of 2 credits.

Note II: If a student selects a 4-credit course to fulfill a 2-credit literacy requirement, the excess 2 credits cannot be allocated or applied toward GE Elective or Free Elective credits. Instead, these excess credits will be entirely allocated to the literacy for which they were originally intended.

● MU Literacy

2 Credits

| | | |
|---------|--------------------------------------|---|
| ICGB101 | Project Management for Impacts | 2 |
| ICGB108 | Event for Good | 2 |
| ICGN139 | Scientific Inquiry and the Community | 2 |
| ICGS169 | Learning by Doing | 2 |
| ICGS171 | Digital Campaign for Gender Issues | 2 |

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| ICGS172 | Service Learning - Making Change | 4 |
| ICGS173 | Service Learning - Campaigning for a Cause | 4 |
| ICGS175 | Social Innovation and Sustainability | 2 |
| ICGS176 | Sustainable Cooking | 2 |
| ICGS177 | Social Innovation: Empowering Sustainable Communities | 2 |
| ICGT107 | Innovation: Inside Out | 2 |

• **Health Literacy**

2 Credits

| | | |
|---------|--|---|
| ICGH136 | Sound & Soul: A Journey of Music, Emotion, and Well-being | 2 |
| ICGH143 | Flowers and Fragrances for Health | 2 |
| ICGN135 | Personal Health and Well being | 2 |
| ICGP101 | American Flag Football | 1 |
| ICGP102 | Badminton | 1 |
| ICGP103 | Basketball | 1 |
| ICGP104 | Body Fitness | 1 |
| ICGP105 | Cycling | 1 |
| ICGP106 | Discover Dance | 1 |
| ICGP107 | Golf | 1 |
| ICGP108 | Mind and Body | 1 |
| ICGP109 | Selected Topics in Sports | 1 |
| ICGP110 | Self Defense (Striking) | 1 |
| ICGP111 | Self Defense (Grappling) | 1 |
| ICGP112 | Soccer | 1 |
| ICGP113 | Social Dance | 1 |
| ICGP114 | Swimming | 1 |
| ICGP115 | Tennis | 1 |
| ICGP116 | Volleyball | 1 |
| ICGP118 | Health and Wellness | 2 |
| ICGP119 | Mindful Food and Well-being | 2 |
| ICGP120 | Mind and Body: Navigating the Interplay of Brain, Behavior, and Well-being | 2 |
| ICGS121 | Abnormal Colleagues: how do I make this work? | 4 |
| ICGS126 | Introduction to Psychology | 4 |

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| ICGS155 | Pathway to Purpose: Life Design and Self-Exploration | 4 |
| ICGS164 | Positive Psychology | 2 |
| ICGS178 | Unmasking Human Behaviour: Exploring Psychological Truths about Behaviour | 2 |
| ICGS179 | Health and Society | 2 |
| ICLL100 | Self Development | 2 |

● **Science & Environment Literacy**

2 Credits

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|---------|--|---|
| ICGH131 | Unraveling the Anthropocene: A Philosophical Critique of Earth's Shifts and Humanity's Roles | 2 |
| ICGH142 | Fantasy Literature's Environmental Message | 2 |
| ICGH144 | A Candle in the Dark: How to Tell Fact from Fiction | 2 |
| ICGN105 | Ecology, Ecosystems and Socio-Economics in Southeast Asia | 4 |
| ICGN107 | The Chemistry of Everyday Life | 4 |
| ICGN108 | Essentials of Culinary Science for Food Business | 4 |
| ICGN111 | Physics for CEO | 4 |
| ICGN113 | Plants, People and Poisons | 4 |
| ICGN114 | The Scientific Approach and Society | 4 |
| ICGN115 | Human Evolution, Diversity and Health | 4 |
| ICGN116 | Understanding and Visualizing Data | 4 |
| ICGN119 | Computer Essentials | 4 |
| ICGN123 | The Earth's Dynamic Structure | 4 |
| ICGN124 | Climate Change and Human Society | 4 |
| ICGN126 | Plant Society | 2 |
| ICGN127 | Practical Mathematics | 2 |
| ICGN128 | Climate Emergency, Biodiversity Crisis, and Humanity at Risk | 2 |
| ICGN129 | Programming for Problem Solving | 4 |
| ICGN130 | Cryptography: The Science of Making and Breaking Codes | 2 |
| ICGN134 | Introduction to Artificial Intelligence | 2 |
| ICGN136 | Creator Workshop | 2 |
| ICGN137 | Star Wanderer | 2 |
| ICGN138 | Cosmetics Chemistry | 2 |
| ICGN140 | Food Energy for Health | 2 |

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| ICGN141 | Life in the Sea | 2 |
| ICGN142 | Energy and the Environment | 2 |
| ICGN143 | Gaia: Life on Earth | 2 |
| ICGT101 | Technology-Enhanced Learning: Harnessing AI & Digital Tools for Academic Success | 2 |
| ICGT102 | Digital Document Management | 2 |
| ICGT103 | Computational Thinking | 2 |
| ICGT104 | Tell a Great Story with Data | 2 |
| ICGT105 | No-Code Application Development | 2 |
| ICGT106 | Data and Spreadsheets | 2 |
| ICLL102 | Skills for a Digital World | 2 |

● **Intercultural & Global Awareness Literacy**

2 Credits

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|---------|---|---|
| ICGH107 | Contemporary Art and Visual Culture | 4 |
| ICGH109 | Creative Thinking Through Art and Design | 4 |
| ICGH110 | Drawing as Visual Analysis | 4 |
| ICGH115 | Cinematic Language and Applications | 4 |
| ICGH116 | World Cinemas | 4 |
| ICGH117 | Drawing as Creative Expression | 4 |
| ICGH118 | Photography Visualizing in the Digital Age | 4 |
| ICGH120 | Thai and ASEAN Cinema | 4 |
| ICGH124 | Life Drawing and Anatomy | 4 |
| ICGH128 | Internet Celebrity, Culture and the Media | 4 |
| ICGH130 | The Logic Lab: Crafting Coherent Arguments | 2 |
| ICGH132 | The Rise and Fall of Ancient Athens | 2 |
| ICGH135 | The Horror Film | 2 |
| ICGH137 | Apocalypse Now, or Never, or Maybe? | 2 |
| ICGH139 | Spirituality, Sustainability, Ecosystems | 2 |
| ICGH141 | SPQR—Glimpses of Rome | 2 |
| ICGH145 | Essentials to Photography, Skills and Practices | 2 |
| ICGH146 | Acting for Self-Discovery and Empathizing with Others | 2 |
| ICGH147 | Myth and the Masks of the Divine | 2 |
| ICGH148 | Quest for Global Justice: A Philosophical Inquiry | 2 |

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| ICGL101 | Elementary German I | 4 |
| ICGL102 | Elementary German II | 4 |
| ICGL103 | Elementary German III | 4 |
| ICGL111 | Elementary Japanese I | 4 |
| ICGL112 | Elementary Japanese II | 4 |
| ICGL113 | Elementary Japanese III | 4 |
| ICGL121 | Elementary French I | 4 |
| ICGL122 | Elementary French II | 4 |
| ICGL123 | Elementary French III | 4 |
| ICGL131 | Elementary Chinese I | 4 |
| ICGL132 | Elementary Chinese II | 4 |
| ICGL133 | Elementary Chinese III | 4 |
| ICGL141 | Elementary Spanish I | 4 |
| ICGL142 | Elementary Spanish II | 4 |
| ICGL143 | Elementary Spanish III | 4 |
| ICGL160 | Introduction to Thai Language and Culture | 4 |
| ICGL161 | Elementary Thai I | 4 |
| ICGL162 | Elementary Thai II | 4 |
| ICGL163 | Elementary Thai III | 4 |
| ICGL164 | Thai Writing for Specific Purposes in Workplace *for native Thai students | 2 |
| ICGL171 | Diversities in Multilingual Societies | 2 |
| ICGL172 | Chinese Influence in Thai Society | 2 |
| ICGL173 | Introduction to Japanese Societies | 2 |
| ICGL174 | From Siesta to Fiesta: Introduction to Spanish and Latin American Culture | 2 |
| ICGL201 | Pre-Intermediate German I | 4 |
| ICGL202 | Pre-Intermediate German II | 4 |
| ICGL203 | Pre-Intermediate German III | 4 |
| ICGL211 | Pre-Intermediate Japanese I | 4 |
| ICGL212 | Pre-Intermediate Japanese II | 4 |
| ICGL213 | Pre-Intermediate Japanese III | 4 |
| ICGL221 | Pre-intermediate French I | 4 |

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| ICGL222 | Pre-intermediate French II | 4 |
| ICGL223 | Pre-intermediate French III | 4 |
| ICGL231 | Pre-Intermediate Chinese I | 4 |
| ICGL232 | Pre-Intermediate Chinese II | 4 |
| ICGL233 | Pre-Intermediate Chinese III | 4 |
| ICGL241 | Pre-Intermediate Spanish I | 4 |
| ICGL242 | Pre-Intermediate Spanish II | 4 |
| ICGL243 | Pre-Intermediate Spanish III | 4 |
| ICGN125 | Games and Learning | 2 |
| ICGS112 | Geography of Human Activities | 4 |
| ICGS128 | Global Gastronomy and Cuisines | 4 |
| ICGS131 | Introduction to International Studies | 4 |
| ICGS132 | Career Preparation in a Globalized World | 4 |
| ICGS133 | Foundation of Mediterranean Cultures | 4 |
| ICGS137 | Witchcraft and Gender Representation | 4 |
| ICGS143 | Introduction to Air Transport and Tourism | 4 |
| ICGS156 | Fashion and Society | 2 |
| ICGS157 | Asian Religious Traditions | 2 |
| ICGS159 | The Self and Modern Media | 2 |
| ICGS161 | Skills in Dealing with People Across Cultures | 2 |
| ICGS162 | Arts, Culture and Tourism Development | 2 |
| ICGS165 | Tea Studies | 2 |
| ICGS167 | Coffee Studies | 2 |
| ICGS168 | Faith a Lifestyle | 2 |
| ICGS180 | Cafe Story and Slow food | 2 |
| ICGS181 | Cuisine and Culture | 2 |
| ICGS182 | Humor Horizons | 2 |

● **Civic Literacy**

2 Credits

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|---------|--|---|
| ICGH126 | Behavioral Ethics: Why Good People Do Bad Things | 2 |
| ICGH129 | Searching for Meaning | 2 |
| ICGH133 | Socrates, His Predecessors and Successors | 2 |
| ICGH134 | Digital Media Literacy: Skills for 21st Century Learning | 2 |

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|---------|---|---|
| ICGH138 | The Philosophies of Asia | 2 |
| ICGH140 | Ethics and Evolution | 2 |
| ICGH149 | Law, Technology, and Society | 2 |
| ICGH150 | Global Perspectives on Free Expression in the Digital Age | 2 |
| ICGN131 | Digital Search Literacy | 2 |
| ICGN132 | Digital Security and Privacy | 2 |
| ICGN144 | Environmental Ethics | 2 |
| ICGN145 | Food Integrity and Food Fraud: When a Food Product Is Not What It Seems | 2 |
| ICGS134 | Is Democracy Good? | 4 |
| ICGS136 | Social and Health Issues in Thailand | 4 |
| ICGS140 | Fake News, Censorship and the Politics of Truth | 4 |
| ICGS147 | Women in Leadership | 4 |
| ICGS158 | Contemporary Issues in Thailand | 2 |
| ICGS160 | Self and Society | 2 |
| ICGS163 | Popular Media and Conflicts | 2 |
| ICGS166 | Power and Politics | 2 |
| ICGS170 | Civic Action in Thailand | 2 |
| ICGS183 | Media and Community | 2 |

● Finance & Management Literacy

2 Credits

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|---------|--|---|
| ICGB102 | Navigating the Market Landscape | 2 |
| ICGB103 | Decoding Economic News | 2 |
| ICGB104 | Entrepreneurship in a Disruptive Environment | 2 |
| ICGB105 | Personal Finance Literacy | 2 |
| ICGB106 | The Business of Fashion | 2 |
| ICGB107 | Tourism Management Perspectives | 2 |
| ICGB109 | Business Event Essentials | 2 |
| ICGB110 | Management Styles of Effective Leaders | 2 |
| ICGB111 | Leadership in a Global Society | 2 |
| ICGB112 | The Art of Pricing | 2 |
| ICGB113 | Crisis Management in Service Businesses | 2 |
| ICGB114 | Cultural Strategies for Success: Unveiling Eastern Business Dynamics | 2 |

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| ICGB115 | Money: Deciphering Currencies of Value | 2 |
| ICGB116 | Managing Self and Working with Others | 2 |
| ICGH101 | Biotechnology: from Science to Business | 4 |
| ICGS102 | Business Sustainability and the Global Climate Change | 4 |
| ICGS135 | Entrepreneurial Accounting | 4 |
| ICGS153 | Social Media Management for Service Sector | 2 |
| ICGS174 | The Art of Leadership in Practice: Inspiration | 2 |
| ICGS184 | Healthy Habits, Happy Shoppers: Exploring Health Literacy in Consumer Decisions | 2 |
| ICLL101 | Professional Development | 2 |

General Education Elective Courses

4-8 Credits

Students need to take remaining courses in any GE category to fulfill their 30 credits requirement of GE:4 credits for students whose English Communication track are placed into 'FE track' or 'GC Track' and 8 credits for students whose English Communication track are placed into 'GC2 Track'. Partial credits of GE course that exceed the GE requirements cannot be counted towards Free Electives.

3) Specific Courses

no less than 109 Credits

1. Core Courses

30 Credits

| | | |
|----------|------------------------------------|---|
| ICBI 105 | Molecules to Living Cells | 4 |
| ICCH 101 | General Chemistry I | 4 |
| ICCH 102 | General Chemistry II | 4 |
| ICCH 103 | Integrated Laboratory in Chemistry | 2 |
| ICCH 221 | Organic Chemistry I | 4 |
| ICMA 106 | Calculus I | 4 |
| ICMA 151 | Statistics for Science I | 4 |
| ICPY 101 | Physics I | 4 |

2. Major Required Courses

63 Credits

| | | |
|----------|--|---|
| ICFS 113 | Essence of Food Science and Technology | 4 |
| ICFS 215 | Human Nutrition | 4 |
| ICFS 216 | General Biochemistry for Food Science and Technology | 2 |
| ICFS 217 | Physical Chemistry for Food Science and Technology | 2 |

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|----------|--|---|
| ICFS 231 | General Microbiology | 4 |
| ICFS 314 | Food Analysis | 4 |
| ICFS 317 | Food Chemistry | 4 |
| ICFS 324 | Food Ingredients Functionality and Quality | 4 |
| ICFS 333 | Food Microbiology | 4 |
| ICFS 334 | Food Microbiology Laboratory | 2 |
| ICFS 341 | Food Processing | 4 |
| ICFS 342 | Food Storage and Shelf life Extension | 4 |
| ICFS 344 | Smart and Green Agro-Industry | 2 |
| ICFS 351 | Food Engineering Principles | 2 |
| ICFS 352 | Unit Operations in Food Engineering | 3 |
| ICFS 362 | Food Safety and Sanitation | 4 |
| ICFS 367 | Quality Assurance in Food Processing | 4 |
| ICFS 368 | Regulatory Compliance in Food Industry | 2 |
| ICFS 392 | Scientific research in food innovation | 2 |
| ICFS 491 | Seminar in Food Science and Technology | 2 |

3. Experiential Learning Courses

8 Credits

Track A

| | | |
|----------|--|---|
| ICFS 451 | Internship in Food Science and Technology | 4 |
| ICFS 498 | Senior Project in Food Science and Technology I | 1 |
| ICFS 499 | Senior Project in Food Science and Technology II | 3 |

Track B

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|----------|---|---|
| ICFS 451 | Internship in Food Science and Technology | 4 |
| ICFS 466 | Entrepreneurial and Innovative Project in Food Science and Technology | 4 |

Track C

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|----------|----------------------------------|---|
| ICFS 465 | Experiential Learning Internship | 8 |
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4. Major Elective Courses

at least

8 Credits

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| ICBI 407 | Occupational Health and Safety | 4 |
| ICBI 420 | Entrepreneurship and Innovation in Science | 4 |

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| ICFS 114 | Marketing of Food Product and Services | 2 |
| ICFS 115 | Operations Management in Food Business | 2 |
| ICFS 116 | Food for Specialised Diets | 4 |
| ICFS 117 | Food Product and Process Design | 4 |
| ICFS 118 | Food Safety and Sanitation Management | 4 |
| ICFS 119 | Quality System in Food Processing | 4 |
| ICFS 120 | Science of Thai Culinary Arts | 4 |
| ICFS 121 | Food Product Innovation | 4 |
| ICFS 122 | Trends in Food Science and Technology | 2 |
| ICFS 171 | Discovering Culinary Techniques | 4 |
| ICFS 172 | World Cuisine | 4 |
| ICFS 366 | Consultancy and Auditing in Food Quality and Safety Management | 4 |
| ICFS 374 | Experimental Design in Food Product Development | 2 |
| ICFS 412 | Product Development for Food and Food Service Industry | 4 |
| ICFS 418 | Fruits and Vegetables Technology | 4 |
| ICFS 422 | Dairy Product Technology | 4 |
| ICFS 423 | Beverage Technology | 4 |
| ICFS 424 | Fat and Oil Technology | 4 |
| ICFS 426 | Bakery Product Technology | 4 |
| ICFS 427 | Confectionery and Chocolate Product Technology | 4 |
| ICFS 432 | Sensory Evaluation of Food Products | 4 |
| ICFS 437 | Application of Modern Biotechnology to Food Products | 4 |
| ICFS 438 | Cereal and Starch Technology | 4 |
| ICFS 452 | Food Packaging | 4 |
| ICFS 463 | Field Trip | 2 |
| ICFS 471 | Trends and Novel Techniques of World Foods and Cuisines | 4 |
| ICFS 473 | Special topic in Food Science and Technology | 4 |

4) I-Design Electives

20 Credits

The purpose of the I-Design electives is to promote multidisciplinary learning. Students are encouraged to explore courses offered by diverse disciplines across MUIC, Mahidol University, and partner institutions. The I-Design electives can be satisfied upon the completion of the following course categories:

1. Minor courses offered by any program in MUIC
2. Certificate courses offered by any program in MUIC
3. Any major courses offered by any program in MUIC
4. Any major courses offered in Mahidol University (including undergraduate and graduate level courses). Courses must be approved by the student's advisor.
5. Any major courses offered at partner institutions (who have MOU with Mahidol University and/or MUIC). Courses must be approved by the student's advisor.

5) Free Electives

8 Credits

Students can take any courses offered by MUIC / Mahidol University or any major courses offered by the partner institutions (with MOU) as free elective courses with the approval from the advisor.



Mahidol University
International College