## 学際サイエンス・デザイン専門学群 <学士(学術)> コンピテンス一覧

School of Transdisciplinary Science and Design <Bachelor of Arts and Science>

## ■汎用コンピテンス(学士課程) Generic Competences (Bachelor Program)

| 1 | コミュニケーション能力  | 母語や外国語を適切に用いるとともに、各種メディアを利用したプレゼンテーション等を<br>行うコミュニケーション能力   |  |  |  |  |  |  |
|---|--|---|--|--|--|--|--|--|
| ' | Communication ability                              | Communication ability to use the mother tongue and foreign languages properly and make presentations, etc. using various media  |  |  |  |  |  |  |
| 2 | 批判的·創造的思考力   | 一般的・専門的知識の体系的理解をベースに批判的・創造的に思考する能力  |  |  |  |  |  |  |
| _ | Ability for critical and creative thinking         | Ability to think critically and creatively based on systematic understanding of general and specialized knowledge   |  |  |  |  |  |  |
| 2 | データ・情報リテラシー  | 様々な事象や情報を数量的手法やコンピュータ等を用いて適切に解析・処理する能力  |  |  |  |  |  |  |
| 3 | Data and information literacy                      | Ability to properly analyze and process various events and information using quantitative methods, computers, etc.  |  |  |  |  |  |  |
|   | 広い視野と国際性   | 自身の専門に留まらず文化・社会と自然・物質に関して幅広く理解し、異文化を理解・尊重する能力   |  |  |  |  |  |  |
| 4 | Broad perspective and international character      | Ability to broadly understand culture, society, nature, and materials and understand and respect different cultures and be not only involved in one's own expertise   |  |  |  |  |  |  |
|   | 心身の健康と人間性・倫理性                                      | 芸術やスポーツへの理解と実践等を通して心と身体の健康を保ち、人間性と倫理性を有する市民としての責任を自覚して実践する能力  |  |  |  |  |  |  |
| 5 | Mental and physical health, humanity, and ethics   | Ability to maintain mental and physical health through the understanding, practice, etc. of arts and sports and be conscious of one's responsibility and put it into practice as a citizen with humanity and ethics |  |  |  |  |  |  |
| 6 | 協働性・主体性・自律性  | チームワークやリーダーシップを通して様々な物事に対処し自己を管理しながら自律的は学び続け行動する能力  |  |  |  |  |  |  |
|   | Cooperative, independent, and autonomous attitudes | Ability to keep learning and act autonomously while dealing with a situation through team work and leadership and practicing self-management  |  |  |  |  |  |  |

## ■専門コンピテンス Specific Competences

| 1   | データサイエンスを理解し利活用できる能力<br>Ability to understand and utilise data scie                | ence  |  |  |  |  |  |  |  |  |  |  |  |
|-----|--|---|--|--|--|--|--|--|--|--|--|--|--|
|     | 数学の基礎能力  | 微積分、線形代数等、高等数学の基礎を理解し、自然科学や人文社会科学に関わる<br>データ解析に利用する能力   |  |  |  |  |  |  |  |  |  |  |  |
| 1.1 | Basic mathematical skills  | Ability to understand the fundamentals of higher mathematics, such as calculus and linear algebra etc., and utilise them to analyse data related to natural sciences, humanities and social sciences  |  |  |  |  |  |  |  |  |  |  |  |
| 1.2 | 統計学の基礎能力   | <br>統計学の基礎を理解し、自然科学や人文社会科学に関わるデータ解析に利用する能力<br>  |  |  |  |  |  |  |  |  |  |  |  |
| 1.2 | Basic statistical skills   | Ability to understand the fundamentals of statistics, and utilise them to analyse data related to natural sciences, humanities and social sciences  |  |  |  |  |  |  |  |  |  |  |  |
| 1.3 | ICTやAITを活用する能力   | 自ら扱っている課題について、そこで集積されている様々な情報をどのように整理すればICTやAITを利活用できるか理解するとともに、実際に必要な情報整理を行い、これらを利活用する能力   |  |  |  |  |  |  |  |  |  |  |  |
| 1.3 | Ability to use ICT and AIT   | Ability to understand how to utilise ICT and AIT by organising the various types of information accumulated on the issues to deal with, and to actually organise the necessary information and utilise them   |  |  |  |  |  |  |  |  |  |  |  |
| 2   |  | 、人文社会科学を理解し利活用できる能力<br>ciences, humanities and social sciences from the perspective of solving global issues  |  |  |  |  |  |  |  |  |  |  |  |
|     | 基礎学理としての自然科学の基礎に関す<br>る理解  | 自然現象や様々な事象を論理的に理解、説明するために、基礎学理としての自然科学を<br>利活用する能力  |  |  |  |  |  |  |  |  |  |  |  |
| 2.1 | Understanding of the fundamentals of natural sciences as basic academic principles | Ability to utilise natural sciences as basic academic principles to logically understand and explain natural phenomena and various events   |  |  |  |  |  |  |  |  |  |  |  |
| 2.2 | 人文社会科学の基礎に関する理解  | 人々が関わる様々な社会現象、社会問題等を論理的に理解、説明するために、人文社会科学を利活用する能力   |  |  |  |  |  |  |  |  |  |  |  |
| 2.2 | Understanding of the fundamentals of the humanities and social sciences            | Ability to utilise humanities and social sciences to logically understand and explain various social phenomena, social issues etc. involving people   |  |  |  |  |  |  |  |  |  |  |  |
| 3   | 環境学を理解し地球規模課題解決のため<br>Ability to understand environmental stud                     |   |  |  |  |  |  |  |  |  |  |  |  |
|     | 環境問題とその解決に関する理解  | 人類がこれまで経験した環境諸問題のメカニズムと解決法を、自然科学、人文社会科学の<br>知識に基づき理解し、さらに地球規模課題解決に結びつけて考察する能力   |  |  |  |  |  |  |  |  |  |  |  |
| 3.1 | Understanding of environmental issues and their solutions                          | Ability to understand the mechanisms and solutions to environmental issues experienced by human based on knowledge of natural sciences, humanities and social sciences, and to consider how they relate to the solution of global issues                            |  |  |  |  |  |  |  |  |  |  |  |
|     | 地球規模での自然現象・人為課題に関す<br>る理解  | 地球規模課題に関し、自然科学と人文社会科学を統合した環境学の基礎知識と技術を<br>もって理解する能力   |  |  |  |  |  |  |  |  |  |  |  |
| 3.2 | Understanding of natural phenomena and human-made issues on a global scale         | Ability to understand global issues with basic knowledge and skills in environmental studies integrating the natural sciences, humanities and social sciences   |  |  |  |  |  |  |  |  |  |  |  |
|     | 課題の設定ができる能力  | 探求し解決すべき課題を設定し、課題を理解するために必要な知識の修得と、課題解決<br>に向けた諸要因の整理に関する方向性を定める能力  |  |  |  |  |  |  |  |  |  |  |  |
| 3.3 | Ability to set issues  | Ability to set issues to be explored and solved, acquire the knowledge necessary to understand the issues, and set direction regarding the organisation of various factors to solve the issues  |  |  |  |  |  |  |  |  |  |  |  |
|     | Transdisciplinaryな思考能力   | 自然災害や人為的な環境改変等の諸課題が、互いにどのように連関しているかを理解する<br>とともに、地球規模課題を専門的かつ俯瞰的に理解、説明し、その解決策を考察する能力  |  |  |  |  |  |  |  |  |  |  |  |
| 3.4 | Transdisciplinary thinking skills  | Ability to understand how various issues such as natural disasters and human-induced environmental changes are related to each other, and to understand and explain global issues from a professional and bird's eye view, and to consider solutions to such issues |  |  |  |  |  |  |  |  |  |  |  |

| 4   | が様な他者に敬意を払いつつ円滑なコミュニケーションをとる能力<br>bility to communicate smoothly and respectfully with a diverse range of others |   |  |  |  |  |  |  |  |  |  |
|-----|--|---|--|--|--|--|--|--|--|--|--|
|     | 国際的にも活躍できるコミュニケーション能力  | 幅広い教養をベースに、異なる文化や考え方を背景とする人々と、円滑に英語、母語、E本語により、コミュニケーションをとる能力  |  |  |  |  |  |  |  |  |  |
| 4.1 | Communication skills for international success   | Ability to communicate smoothly with people from different cultures and backgrounds in English, their mother tongue and Japanese, based on a broad range academic knowledge   |  |  |  |  |  |  |  |  |  |
| 4.2 | プレゼンテーション能力  | 自分の考えを、異なる文化や考え方を背景とする第三者に論理的かつ明確に説明することができる能力  |  |  |  |  |  |  |  |  |  |
| 7.2 | Presentation skills  | Ability to explain one's ideas in a logical and clear manner to a third party from different cultural and thinking backgrounds  |  |  |  |  |  |  |  |  |  |
| 4.3 | 柔軟な理解能力  | 幅広い教養をベースに、異なる立場、あるいは対立する立場にいる人々の考えや論理を理<br>解する能力   |  |  |  |  |  |  |  |  |  |
| 4.3 | Flexible comprehension skills  | Ability to understand the ideas and logic of people in different or opposing positions based on a broad range of academic knowledge   |  |  |  |  |  |  |  |  |  |
| 4.4 | 自主性と行動力  | 問題に対して柔軟な思考を行い、かつ深い洞察に基づいて主体的に行動する能力  |  |  |  |  |  |  |  |  |  |
|     | Self-motivation and energy   | Ability to think flexibly about issues and act independently based on deep insights   |  |  |  |  |  |  |  |  |  |
| 5   | 日本文化や伝統の理解を通じた多様な価格 Ability to think based on diverse values t   | 値観に基づき思考する能力<br>hrough understanding of Japanese culture and traditions   |  |  |  |  |  |  |  |  |  |
|     | 日本文化や伝統の理解   | 日本文化や伝統を理解し、これらを英語、母語、日本語により紹介する能力  |  |  |  |  |  |  |  |  |  |
| 5.1 | Understanding of Japanese culture and traditions   | Ability to understand Japanese cultures and traditions, and to introduce them in English, one's native language and Japanese  |  |  |  |  |  |  |  |  |  |
|     | 多様な文化や価値観の理解   | 様々な国籍の人々の文化的背景を互いに理解、尊重するとともに、多文化共生に必要な制度や考え方を考察し、地球規模の視点に立ち、人類の多様な背景、文化への理解を深化させる能力  |  |  |  |  |  |  |  |  |  |
| 5.2 | Understanding of diverse cultures and values   | Ability to mutually understand and respect the cultural backgrounds of people of diverse nationalities, to consider the schemes and ideas necessary for multicultural symbiosis, and to deepen understanding of the diverse backgrounds and cultures of humankind from a global perspective |  |  |  |  |  |  |  |  |  |

|   |                             |                    |   |   |                       |              |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   | *科目  | により異なり   | ます *Var        | ries by subject.                          |
|---|-----------------------------|--------------------|---|---|-----------------------|--------------|--------------------------|-------------------------|---|-------------------------------------|---------------------|--|-----------------------------------|----------------------------------|---|----------------------------------|--|--|---|--|----------------------|---|--|-----------------------------------|---|-----------------------------------|--|--|----------------|---|
|   |                             |                    |   |   | 主要授業科目                | _            |                          |                         |   |                                     | ピテンス<br>ompetences  |  |                                   | 寒門コンピテンス<br>Specific Competences |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   | 必修/選択<br>/自由の別<br>ed, Elective, or<br>Free                 |  |                |   |
|   | 科目区分                        | 科目番号               | 将章刹                                     |   |                       |              | 標準履修<br>年次<br>Standard   | 1                       | 2   | 3                                   | 4                   | 5  | 6                                 |                                  | 1<br>ンスを理解し利<br>understand and<br>science |                                  | ら、自然科学<br>を理解し利润<br>Ability to u<br>utilise natu<br>humanities<br>sciences | 舌用できる能力  | 営 環境学を理解<br>I Ability:                        | 解し地球規模課題<br>to understand ε<br>tilise it to so | 力<br>environmental s | tudies and                                  |  | - 敬意を払いつっ<br>とる<br>ommunicate smo | 4<br>P円滑なコミュニ<br>S能力<br>oothly and resp<br>inge of others | ectfully with                     | た多様な価値<br>する<br>Ability to t<br>diverse va<br>understandin | 5能力  |                |   |
| С   | urse Category               | Course<br>Number   | 授業科目の名称<br>Course Name                  |   | Essential<br>Subjects | Crodite      | registra<br>tion<br>year |                         | 批判的·創造<br>的思考力                                      | データ・情報<br>リテラシー                     | 広い視野と国<br>際性        | 心身の健康と<br>人間性・倫理<br>性  | 協働性・主体<br>性・自律性                   | 数学の基礎能力                          | ・<br>統計学の基礎<br>能力                         | ICTやAITを活<br>用する能力               | 基礎学理としての自然科学の基礎に関する理解  | 人文社会科学   | 環境問題とそ<br>の解決に関す<br>る理解                       | 地球規模での自然現象・人為課題に関する理解                          |                      |   | 国際的にも活躍できるコミュニケーション能力                          | プレゼンテー<br>ション能力                   | 柔軟な理解能<br>力   | ・<br>自主性と行動<br>カ                  | -<br>日本文化や伝<br>統の理解  | 多様な文化や価値観の理解   | 必修<br>Required | 選択 自由<br>Core Free<br>Electives Electives |
|   |                             |                    |   |   |                       |              |                          | Communication n ability | Ability for<br>critical and<br>creative<br>thinking | Data and<br>information<br>literacy | and<br>internationa | Mental and<br>physical<br>health,<br>humanity,<br>and ethics | independent,<br>and<br>autonomous | mathematical                     | Basic<br>statistical<br>skills            | Ability to<br>use ICT and<br>AIT | Understandin   | g of the<br>fundamentals<br>of the<br>humanities | g of<br>environmenta<br>l issues and<br>their | Understandin<br>g of natural<br>phenomena      | set issues           | Transdiscipl<br>inary<br>thinking<br>skills | Communication skills for international success | skills                            | comprehensio  | Self-<br>motivation<br>and energy | g of   | Understandin<br>g of diverse<br>cultures and<br>values |                |   |
|   |                             | 11****             | WAND (1- 11/6 bit )                     | Multidisciplinary   |                       | 1.0          |                          | 0                       |   |                                     | 0                   |  | 0                                 |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  |                |   |
|   |                             |                    | 総合科目 (ファーストイヤーセミナー)                     | Subjects(First Year<br>Seminar)<br>Multidisciplinary                                    |                       | 1. 0         |                          | 0                       |   |                                     |                     |  | 0                                 |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   |                             | 12****             | 総合科目(学問への誘い)                            | Subjects(Invitation to<br>Arts and Sciences)<br>Multidisciplinary Subjects              |                       | 1. 0         |                          |                         | 0   |                                     | 0                   |  |                                   |                                  |   |                                  |  |  | -   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   |                             | 12****             | 総合科目(社会と職業) (学<br>士基盤科目)                | (Society and Career) (exc.<br>First Year Seminar and<br>Invitation to Arts and          |                       | 1. 0         |                          | 0                       | 0   | 0                                   | 0                   |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  |                                   | 0   |                                   |  |  | 0              |   |
|   |                             | 2*****             | 基礎体育                                    | Sciences) Basic Physical Education  |                       | 1. 0         |                          |                         |   |                                     |                     | 0  | 0                                 |                                  |   |                                  |  |  |   |  |                      |   | 0  | 0                                 | 0   | 0                                 |  |  | 0              |   |
|   |                             | 2*****             | 応用体育                                    | Applied Physical Education<br>Foreign Language  |                       | 1. 0         |                          |                         |   |                                     |                     | 0  | 0                                 |                                  |   |                                  |  |  |   |  |                      |   |  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | 3*****             | 外国語(研究日本語基礎I-A-<br>1)                   | (Fundamentals of Research<br>Japanese I-A-1)  |                       | 2. 0         |                          | 0                       |   |                                     | 0                   |  |                                   |                                  |   |                                  |  |  |   |  | 0                    | 0   |  | 0                                 | 0   |                                   |  | 0  |                | 0   |
|   | 共通科目<br>Common Foundation   | 3*****             | 外国語(研究日本語基礎I-A-<br>2)                   | Japanese I-A-2)   |                       | 2. 0         |                          | 0                       |   |                                     | 0                   |  |                                   |                                  |   |                                  |  |  |   |  |                      | 0   |  |                                   |   |                                   |  |  |                | 0   |
|   | Subjects                    | 3*****             | 外国語(研究日本語基礎I-<br>B)                     | Foreign Language<br>(Fundamentals of Research<br>Japanese I-B)                          |                       | 2. 0         |                          | 0                       | 0   | 0                                   | 0                   |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  | 0                                 |   |                                   |  |  | 0              |   |
| 基礎科目<br>General<br>Foundation<br>Subjects |                             | 3*****             | 外国語(研究日本語基礎II-<br>A-1)                  | Foreign Language<br>(Fundamentals of Research<br>Japanese II-A-1)                       |                       | 2. 0         |                          | 0                       |   |                                     | 0                   |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  | 0                                 |   |                                   |  |  |                | 0   |
|   |                             | 3*****             | 外国語(研究日本語基礎II-<br>A-2)                  | Foreign Language<br>(Fundamentals of Research<br>Japanese II-A-2)                       |                       | 2. 0         |                          | 0                       |   |                                     | 0                   |  |                                   |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  |                | 0   |
|   |                             | 3*****             | 外国語(研究日本語基礎II-<br>B)                    | Foreign Language<br>(Fundamentals of Research   |                       | 2. 0         |                          | 0                       | 0   | 0                                   | 0                   |  |                                   |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   |                             | 6*****             | 情報リテラシー(講義)                             | Japanese II-B) Information Literacy (Lectures)  |                       | 1. 0         |                          | 0                       |   | 0                                   |                     |  |                                   |                                  | 0   | 0                                |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   |                             | 6*****             | 情報リテラシー(演習)                             | Information Literacy<br>(Exercises)   |                       | 1. 0         |                          | 0                       |   | 0                                   |                     |  |                                   |                                  | 0   | 0                                |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   |                             | 6*****<br>UMPU191  | データサイエンス<br>Philosophy and Current      | Data Science<br>Philosophy and Current  |                       | 2. 0         |                          | 0                       | 0   | 0                                   |                     |  |                                   |                                  | 0   | 0                                |  |  |   |  | 0                    | 0   |  | 0                                 | 0   |                                   |  |  | 0              |   |
|   | 関連科目<br>Specific Foundation | UMPU181            | Appreciation of Ethics and              | Issues  Appreciation of Ethics and  |                       | 2. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  | -                    | 0   |  | "                                 | -   |                                   |  |  |                | 0   |
|   |                             | UMPU142            | Civilisations  Malay Language           | Civilisations  Malay Language   |                       | 2. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  | 0                                 |   |                                   |  |  |                | 0   |
|   | Subjects                    | UMPU212            | Communication II<br>National Language A | Communication II<br>National Language A   |                       | 2. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  | 0                                 |   |                                   |  |  |                | 0   |
|   |                             | UMPU311            | Integrity and Anti-<br>Corruption       | Integrity and Anti-<br>Corruption   |                       | 2. 0         |                          |                         |   |                                     |                     | 0  |                                   |                                  |   |                                  |  |  |   |  |                      |   |  | 0                                 |   |                                   |  |  | 0              |   |
|   | 日本語                         | UAA2012            | 日本語と学問                                  | Japanese Language and<br>Studies I  | 0                     | 3. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  |                                   | 0   |                                   | 0  | 0  | 0              |   |
|   |                             | UAA2022            | 日本語と学問Ⅱ                                 | Japanese Language and<br>Studies II   | 0                     | 3. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  |                                   | 0   |                                   | 0  | 0  | 0              |   |
|   | データサイエンス                    | UAC1011            | 統計学基礎                                   | Basic Statistics  | 0                     | 3. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 0   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   |                             | UAC1021            | 実践統計                                    | Applied Statistics  | 0                     | 3. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 0   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
| 専門基礎科目                                    |                             | UAC3014            | かの線形代数                                  | Linear algebra for data science   | 0                     | 2. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
| Foundation<br>Subjects                    |                             | UAC3024            | 1                                       | Analysis for data science<br>System theory for data                                     | 0                     | 2. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                |  |  |   |  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
| for Major                                 | - 40 Tu 40                  | UAC3034            | ム理論                                     | science Fundamentals of Natural   | 0                     | 2. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                |  |  |   | -  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   | 自然科学                        | UAD2011<br>UAD2021 | 自然科学基礎II                                | Sciences I<br>Fundamentals of Natural   | 0                     | 4. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                | 0  | -  | 0   | 0  |                      |   |  |                                   |   |                                   | -  |  | 0              |   |
|   | 1 * 4 4 4 4 4 4             | UAE2014            | 人文社会科学基礎目                               | Sciences II  Fundamentals of Humanities   | 0                     | 4. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 1   |                                  |  | 0  | +   | 0  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 |  |  | 0              |   |
|   | 人文社会科学                      |                    |   | and Social Sciences I Fundamentals of Humanities  |                       |              |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   | 0  | 0  |                |   |
|   | 日本文化                        | UAE2024            | 人文社会科学基礎II<br>日本文化と社会の理解I               | and Social Sciences II  Understanding of Japanese                                       | 0                     | 4. 0<br>2. 0 |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  | 0  |   | 0  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             |                    |   | Culture and Society I   |                       |              |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   |  |                                   |   |                                   |  |  |                |   |
|   |                             | UB82024            | 日本文化と社会の理解Ⅱ                             | Culture and Society II  | 0                     | 2. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  | 0  |   |  |                      |   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBB3014            | 日本文化コミュニケーション                           | Japanese Cultural<br>Communication I<br>Japanese Cultural                               | 0                     | 3. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  |   |  |                      |   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBB3022            | 日本文化コミュニケーションII                         | Communication II  General Introduction to   | 0                     | 3. 0         |                          |                         |   |                                     |                     |  |                                   | _                                | _   | -                                | -  |  | -   | _  |                      |   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   | 自然科学                        | UBD3011<br>UBD3021 | 自然科学通論II<br>自然科学通論II                    | Natural Sciences I<br>General Introduction to   | 0                     | 4. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                | 0  |  | 0   | 0  |                      |   |  |                                   |   |                                   |  |  | 0              |   |
|   | 1 女社会科學                     |                    |   | Natural Sciences II  General Introduction to  | 0                     | 4. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 0   | 0                                |  |  | 0   |  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
| 専門科目<br>Major<br>Subjects                 | 人文社会科学                      | UBE3014<br>UBE3024 | 人文社会科学通論I  人文社会科学通論II                   | Humanities and Social<br>Sciences I<br>General Introduction to<br>Humanities and Social | 0                     | 4. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 0   | 0                                |  |  | 0   | 0  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   | Problem Possed I:           |                    | 人文任云行子地網II<br>時事課題論考演習I                 | Sciences II  Current Issues Discussion  | 0                     | 5. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | + -                                       | 0                                |  |  | +   | +  | 0                    |   | 0  | 0                                 | 0   | 0                                 | 0  |  | 0              |   |
|   | Problem Based Learning      | UBF1012            | 時事課題論考演習I<br>時事課題論考演習II                 | Exercises I<br>Current Issues Discussion  | 0                     | 6. 0         |                          |                         |   |                                     |                     |  |                                   |                                  |   | 0                                |  |  |   |  | 0                    |   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBF2012            | 时事課題解析演習I                               | Exercises II  Current Issues Analysis   | 0                     | 6. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 0   | 0                                |  |  |   |  | 0                    |   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBF2022            | 時事課題解析演習                                | Current Issues Analysis   | 0                     | 6. 0         |                          |                         |   |                                     |                     |  |                                   |                                  | 0   | 0                                |  |  |   |  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBF3012            | 時事課題解決法提案演習!                            | Current Issues Solution<br>Proposal Exercises I   | 0                     | 6. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                |  |  | 0   | 0  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBF3022            | 時事課題解決法提案演習II                           | Current Issues Solution<br>Proposal Exercises II  | 0                     | 6. 0         |                          |                         |   |                                     |                     |  |                                   | 0                                | 0   | 0                                |  |  | 0   | 0  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |
|   |                             | UBF4018            | 卒業研究                                    | Graduation Research   | 0                     | 10. 0        |                          |                         |   |                                     |                     |  |                                   |                                  |   |                                  |  |  | 0   | 0  | 0                    | 0   | 0  | 0                                 | 0   | 0                                 | 0  | 0  | 0              |   |