**Dual Degree Maps with Liberal Arts Advantage**

***Business Management BSB & Spanish BA***

Year 1, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-X 103 | First Year Success Seminar | 1 |
| ENG-W 131 | Reading, Writing, and Inquiry I | 3 |
| Math-M 119 | Business Calculus | 3 |
| BUS-X 100 | Introduction to Business Administration | 3 |
| Arts and Humanities |  | 3 |
| General Education Elective | SPAN-S 131 | 4 |
|  | **Total Credits** | 17 |

Year 1, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| COMM-R 110 | Fundamentals of Speech Communication | 3 |
| Cultural Understanding | SPAN-S 132 | 4 |
| Math-M 118 | Finite Math | 3 |
| BUS-K 201 | The Computer in Business | 3 |
| BUS-A 100 | Basic Accounting Skills | 1 |
|  | **Total Credits** | 14 |

\*\*\*Apply to Kelley, if eligible. Application open 1/15-3/1.

Year 2, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-A 201 | Financial Accounting | 3 |
| General Education Elective | SPAN-S 203 | 3 |
| BUS-L 203 | Commercial Law I | 3 |
| ECON-E 201 | Microeconomics | 3 |
| BUS-X 220 | Career Perspectives | 1 |
| BUS-X 204 | Business Communications | 3 |
|  | **Total Credits** | **16** |

\*\*\*Apply to Kelley, if eligible. Application open 8/15-10/1.

Year 2, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-A 202 | Managerial Accounting | 3 |
| ECON-E 202 | Macroeconomics | 3 |
| ECON-E 270 | Introduction to Statistical Theory in Economics and Business | 3 |
| Kelley 200 level General Education | SPAN-S 204 | 3 |
| Life and physical Science |  | 3 |
|  | **Total Credits** | **15** |

\*\*\*Apply to Kelley, if eligible. Application open 1/15-3/1.

Year 3, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-F 371 | Finance: Integrated Experience | 3 |
| BUS-M 371 | Marketing: Integrated Experience | 3 |
| BUS-P 371 | Operations and Supply Chain Management Integrated Experience | 3 |
| BUS-Z 371 | Team Dynamics and Leadership Integrated Experience | 3 |
| General Education Elective | SPAN-S 313, Writing Spanish | 3 |
|  | **Total Credits** | **15** |

Year 3, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-Z 302 | Managing & Behavior in Organizations | 3 |
| BUS | Business Management Elective | 3 |
| BUS-X 320 | Business Career Planning and Placement | 3 |
| International Dimension | SPAN-S 360, Introduction to Hispanic Literature | 3 |
| General Education Elective | SPAN-S 363, Introduction to Hispanic Culture | 3 |
| SPAN-S 326 | Introduction to Spanish Linguistics | 3 |
|  | **Total Credits** | **18** |

Year 3, Summer Study Abroad

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| SPAN 400 Elective |  | 3 |
| SPAN 400 Culture |  | 3 |
|  | **Total Credits** | **6** |

Year 4, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-W 430 | Organizations and Organizational Design | 3 |
| BUS | Business Management Elective | 3 |
| BUS-J 401 | Administrative Policy | 3 |
| Kelley 200 level General Education | SPAN-S 323, Introduction to Translating Spanish and English | 3 |
| BUS-Z 340 | Introduction to Human Resources | 3 |
| SPAN 400 Literature |  | 3 |
|  | **Total Credits** | **18** |

Year 4, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS | Business Management Elective | 3 |
| BUS | Business Management Elective | 3 |
| BUS-J 411 | Analysis of Business Decisions | 3 |
| International Dimension | Spanish Capstone | 3 |
| Life and Physical Science |  | 3 |
| SPAN 400 Linguistics |  | 3 |
|  | **Total Credits** | **18** |

**Total Credits for dual degree = 137**

***Business Finance BSB & Economics BA***

Year 1, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| ENG-W 131 | Reading, Writing, and Inquiry I | 3 |
| Math-M 119 | Business Calculus | 3 |
| BUS-X 100 | Introduction to Business Administration | 3 |
| BUS-X 103 | First Year Success Seminar | 1 |
| Arts and Humanities |  | 3 |
| General Education Elective | No business or economics courses | 1 |
|  | **Total Credits** | **14** |

Year 1, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| COMM-R 110 | Fundamentals of Speech Communication | 3 |
| Math-M 118 | Finite math | 3 |
| BUS-A 100 | Basic Accounting Skills | 1 |
| BUS-K 201 | The Computer in Business | 3 |
| Cultural Understanding |  | 3 |
| General Education Elective | No business or economics courses | 3 |
|  | **Total Credits** | **16** |

\*\*\*Apply to Kelley, if eligible. Application open 1/15-3/1.

Year 2, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-A 201 | Financial Accounting | 3 |
| Life and Physical Science |  | 3 |
| BUS-L 203 | Commercial Law I | 3 |
| BUS-X 204 | Business Communications | 3 |
| ECON-E 201 | Microeconomics | 3 |
| BUS-X 220 | Career Perspectives | 1 |
|  | **Total Credits** | **16** |

\*\*\*Apply to Kelley, if eligible. Application open 8/15-10/1.

Year 2, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-A 202 | Managerial Accounting | 3 |
| ECON-E 202 | Macroeconomics | 3 |
| ECON-E 270 | Introduction to Statistical Theory in Economics and Business | 3 |
| 200 level General Education | No business or economics courses | 3 |
| General Education Elective | No business or economics courses | 2 |
|  | **Total Credits** | **14** |

\*\*\*Apply to Kelley, if eligible. Application open 1/15-3/1.

Year 3, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-F 371 | Finance Integrated Experience | 3 |
| BUS-M 371 | Marketing Integrated Experience | 3 |
| BUS-P 371 | Operations and Supply Chain Management Integrated Experience | 3 |
| BUS-Z 371 | Team Dynamics and Leadership Integrated Experience | 3 |
| BUS-Z 340 | Introduction to Human Resources | 3 |
|  | **Total Credits** | **15** |

Year 3, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-A 310 | Management Decisions and Financial reporting | 3 |
| BUS-F 305 | Intermediate Corporate Finance | 3 |
| BUS-X 320 | Business Career Planning and Placement | 1 |
| ECON-E 321 | Intermediate Microeconomic Theory | 3 |
| 200 level General Education | No business or economics courses | 3 |
| General Education Elective | No business or economics courses | 2 |
|  | **Total Credits** | **15** |

Year 3, Summer

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| Life and Physical Science |  | 3 |
| ECON-E 322 | Intermediate Macroeconomics Theory | 3 |
|  | **Total Credits** | **6** |

Year 4, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS-F 303 | Intermediate Investments | 3 |
| BUS | Finance Elective | 3 |
| BUS | Finance Elective | 3 |
| BUS-J 401 | Administrative Policy | 3 |
| International Dimension | ECON-E 337, Economic Development | 3 |
| ECON | Economics Major Elective | 3 |
|  | **Total Credits** | **18** |

Year 4, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BUS | Finance Elective | 3 |
| BUS | Finance Elective | 3 |
| BUS | Finance Elective | 3 |
| BUS-J 411 | Analysis of Business Decisions | 3 |
| International Dimension | ECON-E 303, Survey of International Economics | 3 |
| ECON-E 406 | Senior Seminar | 3 |
|  | **Total Credits** | **18** |

**Total credits for dual degree = 132**

***Psychology BA & Sociology BA***

Year 1, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| ENG-W 131 | Reading, Writing, and Inquiry I | 3 |
| Math-M 118 | Finite Math | 3 |
| PSY-B 110 | Introduction to Psychology | 3 |
| BUS-F 151 | Personal Finances of the College Student | 1 |
| Cultural Understanding | World Language Semester 1 | 4 |
| SCI-I 120 | Windows on Science | 1 |
|  | **Total Credits** | **15** |

Year 1, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| COMM-R 110 | Fundamentals of Speech Communication | 3 |
| PSY-B 203 | Ethics and Diversity in Psychology | 3 |
| Life and Physical Science |  | 3 |
| Arts and Humanities |  | 3 |
| World Language | Semester II | 4 |
|  | **Total Credits** | **16** |

Year 2, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| ENG-W 231 | Professional Writing Skills | 3 |
| PSY-B 303 | Career Planning for Psychology majors | 1 |
| PSY-B 305 | Statistics | 3 |
| PSY-B 306 | Statistics Lab | 1 |
| PSY | Psychology Foundation Course | 3 |
| BUS-F 152 | Basic Planning and Investment | 1 |
| Life and Physical Science |  | 4 |
|  | **Total Credits** | **16** |

Year 2, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| CSCI-N 207 | Data Analysis Using Spreadsheets | 3 |
| PSY-B 311 | Research Methods | 3 |
| PSY-B 312 | Research Methods Laboratory in Psychology | 2 |
| PSY | Psychology Foundations Course | 3 |
| General Elective | SOC-R 100 | 3 |
| BUS-F 251 | Managing Personal and Financial Risk | 1 |
|  | **Total Credits** | **15** |

Year 3, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| PSY | Psychology Foundations Course | 3 |
| PSY | Psychology Foundations Course | 3 |
| PSY | Psychology Content Course | 3 |
| General Elective | Sociology Major Elective | 3 |
| General Elective | Sociology Major Elective | 3 |
|  | **Total Credits** | **15** |

Year 3, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| PSY | Psychology Content Course | 3 |
| Life and Physical Science |  | 3 |
| General Elective | SOC-R 355, Sociology Theory | 3 |
| General Elective | Sociology Elective (PSY-B 305 substitutes SOC-R 359, but an extra sociology elective is needed to reach 30 credits in Sociology) | 3 |
| General Elective | Sociology Major Elective | 3 |
|  | **Total Credits** | **15** |

Year 4, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| PSY | Psychology Content Course | 3 |
| General Elective | SOC-R 351, Social Science Research Methods | 3 |
| General Elective | Sociology Major Elective | 3 |
| General Elective |  | 3 |
| Life and Physical Science |  | 3 |
|  | **Total Credits** | **15** |

Year 4, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| PSY | Psychology Capstone Course | 3 |
| General Elective | Sociology Major Elective | 3 |
| Arts and Humanities |  | 3 |
| General Elective | Sociology Capstone | 3 |
| General Elective |  | 1 |
|  | **Total Credits** | **13** |

**Total Credits for the dual degree = 120**

***Biology BS & Philosophy BA***

Year 1, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BIOL-K 101 | Concepts of Biology I | 5 |
| CHEM-C 105 | Principles of Chemistry I | 3 |
| CHEM-C 125 | Experimental Chemistry I | 2 |
| Math 231 | Calculus of the Life Sciences I | 3 |
| SCI-I 120 | Windows on Science | 1 |
|  | **Total Credits** | **14** |

Year 1, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BIOL-K 103 | Concepts of Biology II | 5 |
| CHEM-C 106 | Principles of Chemistry II | 3 |
| CHEM-C 126 | Experimental Chemistry II | 2 |
| Math 23200 | Calculus for the Life Science II | 3 |
| ENG-W 131 | Reading, Writing, and Inquiry I | 3 |
|  | **Total Credits** | **16** |

Year 2, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BIOL-K 322 | Genetics & Molecular Biology Lecture | 3 |
| BIOL-K 323 | Genetics & Molecular Biology Lab | 2 |
| CHEM-C 341 | Organic Chemistry I Lecture | 3 |
| CHEM-C343 | Organic Chemistry Lab | 2 |
| Computer Programming |  | 3 |
| COMM-R 110 | Fundamentals of Speech Communication | 3 |
|  | **Total Credits** | **16** |

Year 2, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BIOL-K 324 | Cell Biology Lecture | 3 |
| BIOL-K 325 | Cell Biology Lab | 2 |
| CHEM-C 342 | Organic Chemistry II Lecture | 3 |
| CHEM-C 344 | Organic Chemistry II Lab | 2 |
| Second Written Communication Course |  | 3 |
| Arts and Humanities | PHIL-P 110, Introduction to Philosophy | 3 |
|  | **Total Credits** | **16** |

Year 3, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| Molecular/Cellular Biology Area Lecture |  | 3 |
| Molecular/Cellular Biology Area Lab |  | 2 |
| Physics I |  | 5 |
| PHIL | PHIL Major Elective | 3 |
| General elective | PHIL-P 162, Logic | 3 |
|  | **Total Credits** | **16** |

Year 3, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| Organismal Biology Area Lecture |  | 3 |
| Organismal Biology Area Lab |  | 2 |
| BIOL-K 493 | Independent Research | 1 |
| Physics II |  | 5 |
| PHIL | PHIL Major Elective | 3 |
|  | **Total Credits** | **14** |

Year 3, Summer

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| Social Science |  | 3 |
| Arts and Humanities or Social Science | PHIL-P 120, Ethics | 3 |
|  | **Total Credits** | **6** |

Year 4, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BIOL-K 341 | Principles of Ecology and Evolution Lecture | 3 |
| BIOL-K 493 | Independent Research | 1 |
| Cultural Understanding |  | 3 |
| General elective | PHIL 300/400 Major Elective | 3 |
| General elective | PHIL 300/400 Major Elective | 3 |
|  | **Total Credits** | **13** |

Year 4, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| BIOL-K 493 | Independent Research | 1 |
| BIOL-K 494 | Research Thesis in Biology | 1 |
| BIOL | Biology Lecture to total 40 credit hours in Biology (including core sequence credit hours) | 3 |
| General elective | PHIL 300/400 Major Elective | 3 |
| General elective | PHIL 300/400 Major Elective | 3 |
| General elective | PHIL 300/400 Major Elective | 3 |
|  | **Total Credits** | **14** |

**Total Credits for the dual degree = 125**

***Informatics BS & English BA, concentration in Writing and Literacy***

Year 1, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 100 | First Year Seminar | 1 |
| INFO-I 101 | Introduction to Informatics | 4 |
| INFO-I 202 | Social Informatics | 3 |
| COMM-R 110 | Fundamentals of Speech Communication | 3 |
| Math-M 118 | Finite Math | 3 |
|  | **Total Credits** | **14** |

Year 1, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 201 | Mathematical Foundations of Informatics | 4 |
| NEWM-N 220 | Introduction to Media Application Development | 3 |
| INFO-I 270 | Introduction to Human-Computer Interaction Principles & Practices | 3 |
| ENG-W 131 | Reading, Writing, and Inquiry I | 3 |
| Cultural Understanding |  | 3 |
|  | **Total Credits** | **16** |

Year 2, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 210 | Information Infrastructure I | 4 |
| INFO-I 303 | Organizational Informatics | 3 |
| Arts and Humanities | ENG-W 210, Literacy and Public Life | 3 |
| Life and Physical Science |  | 3 |
| INFO-I 223 | Data Fluency | 3 |
|  | **Total Credits** | **16** |

Year 2, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 211 | Information Infrastructure II | 4 |
| PBHL-B 302 | Biostatistics for Informatics | 3 |
| INFO-I 308 | Information Representation | 3 |
| Major area of Specialization (English) | English Concentration Core, ENG-W course | 3 |
| NEWM-N 299 | Career Planning | 2 |
|  | **Total Credits** | **15** |

Year 3, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 305 | Introduction to Research in Informatics | 3 |
| Life and Physical Science |  | 3 |
| Informatics/New Media 300/400 Level Elective |  | 3 |
| Major area of Specialization (English) | English Major, The Practice of Writing, ENG-W course | 3 |
| Open Elective | Film Studies or ENG-L course 200-400 level | 3 |
|  | **Total Credits** | **15** |

Year 3, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 402 | Informatics Project Management | 3 |
| INFO-I 421 | Application of Data Mining | 3 |
| Major area of Specialization (English) | English Concentration Core, ENG course | 3 |
| Major area of Specialization (English) | English Major, The Practice of Writing, ENG-W course | 3 |
| Open Elective | English Linguistics, ENG-Z 200-400 level | 3 |
|  | **Total Credits** | **15** |

Year 4, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 425 | Web Services in Information | 3 |
| Informatics/New Media 300/400 Level Elective |  | 3 |
| Major area of Specialization (English) | English Major, The Practice of Writing, Group I | 3 |
| Open Elective | English Major Elective, selected outside of Writing & Literacy, 200-400 level | 3 |
| Open Elective |  | 3 |
|  | **Total Credits** | **15** |

Year 4, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| INFO-I 453 | Computer & Information Ethics | 3 |
| INFO | Informatics Major Capstone | 3 |
| Major area of Specialization (English) | English Major, The Practice of Writing, Group II | 3 |
| Major area of Specialization (English) | English Major Capstone | 3 |
| Open Elective |  | 2 |
|  | **Total Credits** | **14** |

**Total Credits for the dual degree = 120**

***Health Science BS & Communication Studies BA***

Year 1, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| SHRS-W 100 | Learning Community Seminar | 2 |
| PSY-B 110 | Introduction to Psychology | 3 |
| HPER-H 195 | Lifestyle Wellness | 3 |
| ENG-W 131 | Reading, Writing, and Inquiry I | 3 |
| Analytical Reasoning List A |  | 3 |
|  | **Total Credits** | **14** |

Year 1, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| COMM-R 110 | Fundamentals of Speech Communication | 3 |
| SHRS-W 200 | U.S. Health Care System Services | 3 |
| SHRS-W 210 | Introduction to Rehabilitation | 3 |
| SHRS-W 250 | Health and Rehabilitation System Across the World | 3 |
| Life and Physical Science |  | 3 |
|  | **Total Credits** | **15** |

Year 2, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| ENG-W 230 or ENG-W 270 | Science Writing or Argumentative Writing | 3 |
| SHRS-W 264 | Disability and Society | 3 |
| SHRS-W 220 | Aging and the Older Person | 3 |
| BIOL-N 261 | Human Anatomy | 5 |
|  | **Total Credits** | **14** |

Year 2, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| PSY-B 310 | Lifespan Development | 3 |
| HIA-M 330 | Medical Terminology | 3 |
| Cultural Understanding |  | 3 |
| Arts and Humanities | COMM-T 130, Introduction to Theater | 3 |
| SHRS-W 300 | Career Development for Health Professionals | 2 |
|  | **Total Credits** | **14** |

Year 3, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| SHRS-W 363 | Ethical Issues in Rehabilitation Services | 3 |
| PSY-B 380 | Abnormal Psychology | 3 |
| STAT 30100 | Elementary Statistical Methods I | 3 |
| SHRS-N 265 | Nutrition and Exercise | 3 |
| Elective | COMM-G 100, Introduction to Communication Studies | 3 |
|  | **Total Credits** | **15** |

Year 3, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| SHRS-W 362 | Legal and Regulatory Aspects in Rehabilitation | 3 |
| SHRS-W 365 | Diversity Issues in Health | 3 |
| SHRS-W 361 | Health Promotion and Disease Prevention | 3 |
| Elective | COMM-G 201, Introduction to Communication Theory | 3 |
| Elective | Communication Studies Major Elective | 3 |
|  | **Total Credits** | **15** |

Year 4, Semester 1

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| SHRS-W 455 | Program Evaluation | 3 |
| SHRS-W 442 | Research in Health and Rehabilitation Sciences | 3 |
| Elective | COMM-G 310, Introduction to Communication Research | 3 |
| Elective | Communication Studies Major Elective | 3 |
| Elective or SHRS-W 495 | Communication Studies Major Elective | 3 |
| COMM | Communication Studies Major Elective | 3 |
|  | **Total Credits** | **18** |

Year 4, Semester 2

|  |  |  |
| --- | --- | --- |
| Course Number | Course Title | Credits |
| SHRS-W 441 | Administration and Supervision of Rehabilitation Organizations | 3 |
| SHRS-N 420 | Human Nutrition through the Lifespan | 3 |
| Elective | COMM-G 480, Capstone is Communication Studies | 3 |
| Elective | Communication Studies Major Elective | 3 |
| Elective or SHRS-W 495 | Communication Studies Major Elective | 3 |
|  | **Total Credits** | **15** |

**Total Credits for dual degree = 120**