

# The Undergraduate Study Program Portfolio at Jacobs University

| MAJOR | Possible Minor Options |      |     |     |      |      |    |     |     |     |     |     |      |     |      |              |
|-------|------------------------|------|-----|-----|------|------|----|-----|-----|-----|-----|-----|------|-----|------|--------------|
|       | BCCB                   | MCCB | CBT | EES | Phys | Math | CS | RIS | ECE | IEM | GEM | IBA | IRPH | SMP | ISCP | Data Science |
| BCCB  | -                      | x    | x   | x   | x    |      |    |     | x   | x   |     |     | x    |     | x    | x            |
| MCCB  | x                      | -    | x   | x   | x    |      |    |     | x   | x   |     | x   | x    |     | x    | x            |
| CBT   | x                      | x    | -   | x   | x    |      |    |     | x   | x   |     |     | x    |     | x    | x            |
| EES   | x                      | x    | x   | -   | x    | x    | x  | x   |     | x   | x   | x   | x    | x   |      | x            |
| Phys  | x                      | x    |     | x   | -    | x    | x  | x   | x   |     | x   |     |      | x   | x    | x            |
| Math  | x                      |      |     | x   | x    | -    | x  |     | x   | x   |     |     | x    | x   | x    | x            |
| CS    |                        | x    |     | x   | x    | x    | -  | x   | x   | x   |     |     | x    |     | x    | x            |
| RIS   |                        |      |     |     |      |      | x  | -   |     |     |     |     |      |     |      |              |
| ECE   | no minor option        |      |     |     |      |      |    |     |     |     |     |     |      |     |      |              |
| IEM   | no minor option        |      |     |     |      |      |    |     |     |     |     |     |      |     |      |              |
| GEM   | x                      |      |     | x   | x    |      | x  |     | x   | x   | -   |     | x    | x   | x    | x            |
| IBA   | x                      |      |     | x   | x    |      | x  |     | x   | x   |     | -   | x    | x   | x    | x            |
| IRPH  | x                      | x    | x   | x   |      | x    | x  | x   | x   |     | x   | x   | -    | x   | x    | x            |
| SMP   |                        | x    | x   | x   | x    | x    |    |     | x   | x   | x   | x   | x    | -   | x    | x            |
| ISCP  | x                      | x    | x   |     | x    | x    | x  | x   |     | x   | x   | x   | x    | x   | -    | x            |

| Major Change Options after 1 <sup>st</sup> year |      |     |     |      |      |    |     |     |     |     |     |      |     |      |   |   |
|---|------|-----|-----|------|------|----|-----|-----|-----|-----|-----|------|-----|------|---|---|
| BCCB  | MCCB | CBT | EES | Phys | Math | CS | RIS | ECE | IEM | GEM | IBA | IRPH | SMP | ISCP |   |   |
| -   | x    | x   | x   |      |      |    |     |     |     |     |     |      |     | x    |   | x |
| x   | -    | x   | x   |      |      |    |     |     |     |     |     |      |     | x    |   | x |
| x   | x    | -   | x   |      |      |    |     |     |     |     |     |      |     | x    |   | x |
| x   | x    | x   | -   | x    | x    | x  |     |     | x   | x   | x   | x    | x   | x    |   |   |
|   |      |     | x   | -    | x    | x  |     |     |     |     |     |      |     | x    | x |   |
|   |      |     | x   | x    | -    |    |     |     |     |     |     |      |     | x    | x | x |
|   |      |     | x   | x    |      | -  |     |     |     |     |     |      |     | x    |   | x |
|   |      |     |     |      |      | x  | -   |     |     |     |     |      |     |      |   |   |
|   |      |     |     |      |      |    |     |     |     |     |     |      |     |      |   |   |
|   |      |     |     | x    |      |    |     |     |     | -   | x   | x    |     | x    | x |   |
|   |      |     |     | x    |      |    |     |     |     | x   | -   | x    | x   | x    | x |   |
|   |      |     |     | x    |      |    |     |     |     | x   | x   | -    | x   | x    | x |   |
| x   | x    | x   | x   |      | x    | x  |     |     |     | x   | x   | -    | x   | x    |   |   |
|   |      |     | x   | x    | x    |    |     |     |     | x   | x   | x    | x   | -    | x |   |
| x   | x    | x   |     | x    | x    | x  |     |     |     | x   | x   | x    | x   | x    |   | - |

There may be additional major change options after the first semester, e.g. from RIS to ECE or Physics; from ECE to RIS, CS or Physics

BCCB (Biochemistry and Cell Biology) | CS (Computer Science) | ECE (Electrical and Computer Engineering) | EES (Earth and Environmental Science) | GEM (Global Economics and Management) | IBA (International Business Administration) | IEM (Industrial Engineering and Management) | RIS (Robotics and Intelligent Systems) | IRPH (International Relations: Politics and History) | SMP (Society, Media, and Politics) | MCCB (Medicinal Chemistry and Chemical Biology) | ISCP (Integrated Social and Cognitive Psychology) | CBT (Chemistry and Biotechnology)