

KURIKULUM INFORMATIKA 2020

| No. | Code | Name | Credit(s) | Type | Prerequisite |
|-------------------|---------|---|-----------|---------------|--|
| 1 | MATH000 | Matematika/ Mathematics | 2 | Pre-requisite | |
| 2 | COPS000 | Keterampilan Komputer Dasar/ Basic Computer Skill | 3 | Pre-requisite | |
| 3 | WEDU001 | Pendidikan Keterampilan/ Work Education | 1 | Pre-requisite | |
| 4 | BIU000 | Bahasa Inggris Pemula/ Basic English | 3 | Pre-requisite | |
| 5 | LMTR999 | Mata Kuliah Pembatas/ Limiter Subject | 1 | Pre-requisite | |
| Semester 1 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | FILG181 | Teladan Kehidupan I/ The Exemplary Living I | 2 | General | |
| 2 | GEN001 | Bahasa Inggris Dasar I/ Elementary English I | 3 | General | - [LMTR999] Mata Kuliah Pembatas/ Limiter Subject - 1 credit(s) |
| 3 | IF1111 | Pengantar Komputer/ Introduction to Computing | 3 | Basic | |
| 4 | IS1113 | Pemrograman Komputer/ Computer Programming | 6 | Major | |
| 5 | IF1112 | Dasar Aljabar Linear/ Aljabar Linear Fundamental | 3 | Basic | |
| 6 | BIU101 | Bahasa Inggris Pra Dasar/ Pre-Elementary English | 3 | General | - [BIU000] Bahasa Inggris Pemula/ Basic English - 3 credit(s) |
| Semester 2 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | GEN002 | Bahasa Inggris Dasar II/ Elementary English II | 3 | General | - [GEN001] Bahasa Inggris Dasar I/ Elementary English I - 3 credit(s) - [LMTR999] Mata Kuliah Pembatas/ Limiter Subject - 1 credit(s) |
| 2 | PEND131 | Filsafat Pendidikan Kristen/ Philosophy of Christian Education | 2 | General | |
| 3 | FILG182 | Teladan Kehidupan II/ The Exemplary Living II | 2 | General | - [FILG181] Teladan Kehidupan I/ The Exemplary Living I - 2 credit(s) |
| 4 | IS1221 | Matematika Diskrit/ Discrete Mathematics | 3 | Basic | - [MATH000] Matematika/ Mathematics - 2 credit(s) |
| 5 | IF1222 | Kalkulus/ Calculus | 3 | Basic | - [MATH000] Matematika/ Mathematics - 2 credit(s) |
| 6 | IF1223 | Logika Informatika/ Informatics Logic | 3 | Major | - [IF1111] Pengantar Komputer/ Introduction to Computing - 3 credit(s) |
| 7 | IS1224 | Struktur Data dan Algoritma/ Data Structure and Algorithms | 3 | Major | - [IS1113] Pemrograman Komputer/ Computer Programming - 6 credit(s) |
| 8 | BIU102 | Bahasa Inggris Dasar/ Elementary English | 3 | General | - [BIU101] Bahasa Inggris Pra Dasar/ Pre-Elementary English - 3 credit(s) |
| 9 | BIU102 | Bahasa Inggris Dasar/ Elementary English | 3 | General | - [GEN001] Bahasa Inggris Dasar I/ Elementary English I - 3 credit(s) |
| 10 | EDU112 | Filsafat Pendidikan Kristen/ Philosophy of Christian Education | 2 | General | |
| Semester 3 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | GEN101 | Bahasa Inggris Pra Menengah I / Pre-Inter English I | 3 | General | - [GEN002] Bahasa Inggris Dasar II/ Elementary English II - 3 credit(s) - [LMTR999] Mata Kuliah Pembatas/ Limiter Subject - 1 credit(s) |
| 2 | FILG283 | Prinsip-Prinsip Nilai Kristiani/ The Principles of Christian Values | 2 | General | - [FILG182] Teladan Kehidupan II/ The Exemplary Living II - 2 credit(s) |
| 3 | PPKN101 | Pendidikan Kewarganegaraan/ Indonesian Civics | 3 | General | |
| 4 | IF2131 | Organisasi dan Arsitektur Komputer/ Computer Organization and Architecture | 3 | Major | - [IF1223] Logika Informatika/ Informatics Logic - 3 credit(s) - [IF1111] Pengantar Komputer/ Introduction to Computing - 3 credit(s) - [IF1113] Pengantar Komputer/ Introduction to Computing - 3 credit(s) |
| 5 | IS2133 | Pengantar Basisdata/ Introduction to Database | 3 | Major | - [IF1111] Pengantar Komputer/ Introduction to Computing - 3 credit(s) |
| 6 | IS2134 | Statistik dan Probabilitas/ Statistics and Probability | 3 | Major | - [MATH000] Matematika/ Mathematics - 2 credit(s) |
| 7 | IS2132 | Perancangan Web/ Web Design | 3 | Major | - [IS1224] Struktur Data dan Algoritma/ Data Structure and Algorithms - 3 credit(s) |
| 8 | BIU203 | Bahasa Inggris Pra Menengah I / Pre-Intermediate English I | 3 | General | - [BIU102] Bahasa Inggris Dasar/ Elementary English - 3 credit(s) |
| 9 | BIU203 | Bahasa Inggris Pra Menengah I / Pre-Intermediate English I | 3 | General | - [GEN002] Bahasa Inggris Dasar II/ Elementary English II - 3 credit(s) |
| Semester 4 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | GEN102 | Bahasa Inggris Pra Menengah II/ Pre-Inter English II | 3 | General | - [GEN101] Bahasa Inggris Pra Menengah I / Pre-Inter English I - 3 credit(s) - [LMTR999] Mata Kuliah Pembatas/ Limiter Subject - 1 credit(s) |
| 2 | FILG284 | Orang Muda dan Dunia/ Youth and the World | 2 | General | - [FILG283] Prinsip-Prinsip Nilai Kristiani/ The Principles of Christian Values - 2 credit(s) |
| 3 | IF2243 | Jaringan Komputer I/ Computer Network I | 3 | Major | - [IF2131] Organisasi dan Arsitektur Komputer/ Computer Organization and Architecture - 3 credit(s) |
| 4 | IF2244 | Sistem Cerdas/ Expert System | 3 | Major | - [MATH000] Matematika/ Mathematics - 2 credit(s) - [IS1221] Matematika Diskrit/ Discrete Mathematics - 3 credit(s) |
| 5 | IF2245 | Teori Bahasa dan Automata/ Language and Automata Theory | 3 | Major | - [IS1221] Matematika Diskrit/ Discrete Mathematics - 3 credit(s) |
| 6 | IS2241 | Sistem Manajemen Basisdata/ Database Management System | 3 | Major | - [IS2133] Pengantar Basisdata/ Introduction to Database - 3 credit(s) |
| 7 | IS2243 | Pemrograman Berorientasi Objek/ Object Oriented Programming | 3 | Major | - [IS1113] Pemrograman Komputer/ Computer Programming - 6 credit(s) |
| 8 | BIU204 | Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II | 3 | General | - [BIU203] Bahasa Inggris Pra Menengah I / Pre-Intermediate English I - 3 credit(s) |
| 9 | BIU204 | Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II | 3 | General | - [GEN101] Bahasa Inggris Pra Menengah I / Pre-Inter English I - 3 credit(s) |
| Semester 5 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | FILG385 | Kehidupan Keluarga / Family Living | 2 | General | - [FILG284] Orang Muda dan Dunia/ Youth and the World - 2 credit(s) |
| 2 | IF3156 | Jaringan Komputer II/ Computer Network II | 3 | Major | - [IF2243] Jaringan Komputer I/ Computer Network I - 3 credit(s) |
| 3 | IF3155 | Pemrograman Visual/ Visual Programming | 3 | Major | - [IS2243] Pemrograman Berorientasi Objek/ Object Oriented Programming - 3 credit(s) |
| 4 | IS3151 | Pengembangan Web Front-End/ Front-End Web Development | 3 | Major | - [IS2243] Pemrograman Berorientasi Objek/ Object Oriented Programming - 3 credit(s) |
| 5 | IS3152 | Analisis dan Perancangan Sistem/ System Analysis and Design | 3 | Major | - [IS1113] Pemrograman Komputer/ Computer Programming - 6 credit(s) |
| 6 | IF3153 | Konsep Sistem Operasi/ Operating System Concept | 3 | Major | - [IF2131] Organisasi dan Arsitektur Komputer/ Computer Organization and Architecture - 3 credit(s) |
| 7 | IS3262 | Interaksi Manusia dan Komputer/ Human and Computer Interaction | 3 | Major | - [IS2243] Pemrograman Berorientasi Objek/ Object Oriented Programming - 3 credit(s) |
| Semester 6 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | FILG386 | Kehidupan di Akhir Zaman/ End Time Living | 2 | General | - [FILG385] Kehidupan Keluarga / Family Living - 2 credit(s) |
| 2 | IF3266 | Grafika Komputer/ Computer Graphics | 3 | Major | - [IS2243] Pemrograman Berorientasi Objek/ Object Oriented Programming - 3 credit(s) |
| 3 | IF3262 | Pengembangan Web Back-End/ Back-End Web Development | 3 | Major | - [IS3151] Pengembangan Web Front-End/ Front-End Web Development - 3 credit(s) |
| 4 | IF3263 | Kecerdasan Buatan/ Artificial Intelligence | 3 | Major | - [IF2244] Sistem Cerdas/ Expert System - 3 credit(s) - [IS1224] Struktur Data dan Algoritma/ Data Structure and Algorithms - 3 credit(s) |
| 5 | IF3264 | Rekayasa Perangkat Lunak/ Software Engineering | 3 | Major | - [IS3152] Analisis dan Perancangan Sistem/ System Analysis and Design - 3 credit(s) - [IS3262] Interaksi Manusia dan Komputer/ Human and Computer Interaction - 3 credit(s) |
| 6 | IS3261 | Pengembangan Perangkat Bergerak/ Mobile Application Development | 3 | Major | - [IS3262] Interaksi Manusia dan Komputer/ Human and Computer Interaction - 3 credit(s) |
| 7 | IS3265 | Metodologi Penelitian/ Research Method | 3 | Major | - [IS3152] Analisis dan Perancangan Sistem/ System Analysis and Design - 3 credit(s) - [IS2134] Statistik dan Probabilitas/ Statistics and Probability - 3 credit(s) |
| Semester 7 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | IS4171 | Skripsi I / Research Project I | 3 | Major | - [IS3265] Metodologi Penelitian/ Research Method - 3 credit(s) - [IF3264] Rekayasa Perangkat Lunak/ Software Engineering - 3 credit(s) |
| 2 | IS2245 | Penulisan Ilmiah/ Scientific Writing | 2 | Major | - [IS2133] Pengantar Basisdata/ Introduction to Database - 3 credit(s) |
| 3 | IF4172 | Pengantar Pengembangan Game/ Introduction to Game Development | 3 | Major | - [IF3155] Pemrograman Visual/ Visual Programming - 3 credit(s) |
| 4 | IF4173 | Pemrograman Sistem/ System Programming | 3 | Major | - [IF1223] Logika Informatika/ Informatics Logic - 3 credit(s) - [IF2131] Organisasi dan Arsitektur Komputer/ Computer Organization and Architecture - 3 credit(s) |
| Semester 8 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | IS4281 | Skripsi II/ Research Project II | 3 | Major | - [IS4171] Skripsi I / Research Project I - 3 credit(s) |
| 2 | IF4282 | Robotika/ Robotics | 3 | Major | - [IF2131] Organisasi dan Arsitektur Komputer/ Computer Organization and Architecture - 3 credit(s) - [IF1223] Logika Informatika/ Informatics Logic - 3 credit(s) |
| 3 | IS2242 | Kewirausahaan/ Entrepreneur - Project Capstone | 3 | Major | - [IF3264] Rekayasa Perangkat Lunak/ Software Engineering - 3 credit(s) |
| 4 | IF4174 | Etika Komputer/ Computer Ethics | 2 | Major | - [IF1111] Pengantar Komputer/ Introduction to Computing - 3 credit(s) - [IF2244] Sistem Cerdas/ Expert System - 3 credit(s) |
| Semester 9 | | | | | |
| No. | Code | Name | Credit(s) | Type | Prerequisite |
| 1 | IF4291 | Desain untuk Visualisasi dan Komputer/ Design for Visualization and Communication | 3 | Elective | - [IF4172] Pengantar Pengembangan Game/ Introduction to Game Development - 3 credit(s) |
| 2 | IF4292 | Pemrograman Game/ Game Programming | 3 | Elective | - [IF4172] Pengantar Pengembangan Game/ Introduction to Game Development - 3 credit(s) |
| 3 | IF4191 | Pengantar Animasi/ Introduction to Animation | 3 | Elective | - [IF3266] Grafika Komputer/ Computer Graphics - 3 credit(s) |
| 4 | IF4192 | Prinsip-Prinsip Desain Kreatif/ Principles of Creative Design | 3 | Elective | - [IF3266] Grafika Komputer/ Computer Graphics - 3 credit(s) |
| 5 | IF4294 | Pemrosesan Bahasa Alami/ Natural Language Processing | 3 | Elective | - [IS3154] Penambangan dan Pergudangan Data/ Data Mining and Warehousing - 3 credit(s) |
| 6 | IS3154 | Penambangan dan Pergudangan Data/ Data Mining and Warehousing | 3 | Elective | - [IS2241] Sistem Manajemen Basisdata/ Database Management System - 3 credit(s) |
| 7 | IF4293 | Pembelajaran Mesin/ Machine Learning | 3 | Elective | - [IF3263] Kecerdasan Buatan/ Artificial Intelligence - 3 credit(s) |
| 8 | IF4194 | Pencarian Informasi/ Information Retrieval | 3 | Elective | - [IS3154] Penambangan dan Pergudangan Data/ Data Mining and Warehousing - 3 credit(s) |
| 9 | IF4195 | Manajemen Proyek/ Project Management | 3 | Elective | - [IF3262] Pengembangan Web Back-End/ Back-End Web Development - 3 credit(s) |
| 10 | IF4196 | Internet untuk Semua/ Internet of Things | 3 | Elective | - [IF3262] Pengembangan Web Back-End/ Back-End Web Development - 3 credit(s) |
| 11 | IF4295 | Teknik Cloud/ Cloud Engineering | 3 | Elective | - [IF3262] Pengembangan Web Back-End/ Back-End Web Development - 3 credit(s) |
| 12 | IF4296 | Rekayasa DevOps/ DevOps Engineering | 3 | Elective | - [IF3262] Pengembangan Web Back-End/ Back-End Web Development - 3 credit(s) |
| 13 | CNET402 | Jaringan Nirkabel dan Perangkat Bergerak/ Wireless and Mobile Networks | 3 | Elective | |
| 14 | BENG310 | Bahasa Inggris Bisnis Membaca dan Kosakata/ Business English Reading and Vocabulary | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 15 | BENG330 | Komunikasi Bisnis Bahasa Inggris/ Business English Communication | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 16 | BENB320 | Korespondensi Bisnis Bahasa Inggris/ Business English Correspondence | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 17 | ELIT271 | Studi Literatur I/ Literature Studies I | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 18 | BIU305 | Bahasa Inggris Menengah I/ Intermediate English I | 3 | Elective | - [BIU204] Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II - 3 credit(s) |
| 19 | BIU305 | Bahasa Inggris Menengah I/ Intermediate English I | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 20 | BIU306 | Bahasa Inggris Menengah II/ Intermediate English II | 3 | Elective | - [BIU204] Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II - 3 credit(s) |
| 21 | GEN306 | Bahasa Inggris Menengah Atas II/ Upper-Inter English II | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) - [LMTR999] Mata Kuliah Pembatas/ Limiter Subject - 1 credit(s) |
| 22 | ESP401 | Bahasa Inggris Bisnis Membaca dan Kosakata/ Business English Reading and Vocabulary | 3 | Elective | - [BIU204] Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II - 3 credit(s) |

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| 23 | ESP401 | Bahasa Inggris Bisnis Membaca dan Kosakata/ Business English Reading and Vocabulary | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 24 | ESP402 | Korespondensi Bisnis Bahasa Inggris/ Business English Correspondence | 3 | Elective | - [BIU204] Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II - 3 credit(s) |
| 25 | ESP402 | Korespondensi Bisnis Bahasa Inggris/ Business English Correspondence | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 26 | ESP403 | Komunikasi Bisnis Bahasa Inggris/ Business English Communication | 3 | Elective | - [BIU204] Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II - 3 credit(s) |
| 27 | ESP403 | Komunikasi Bisnis Bahasa Inggris/ Business English Communication | 3 | Elective | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 28 | ENG433 | Penulisan Akademik Bahasa Inggris III/ Academic English Writing III | 3 | Elective | - [BIU204] Bahasa Inggris Pra Menengah II/ Pre-Intermediate English II - 3 credit(s) |
| 29 | BIU306 | Bahasa Inggris Menengah II/ Intermediate English II | 3 | General | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 30 | ENG433 | Penulisan Akademik Bahasa Inggris III/ Academic English Writing III | 3 | General | - [GEN102] Bahasa Inggris Pra Menengah II/ Pre-Inter English II - 3 credit(s) |
| 31 | MG4191 | Pengalaman Kerja di Industri Teknologi Informasi/ Industrial Experience in Information Technology | 8 | Elective | |
| 32 | MG4192 | Pengalaman Praktek di Bidang Teknologi Informasi/ Information Technology Practice in Industrial Experience | 8 | Elective | |
| 33 | MG4193 | Pengembangan profesional di Industri Teknologi Informasi/ Development in Information Technology Industry/ Professional Development in Information Technology Industry | 4 | Elective | |
| 34 | SI42901 | Mata Kuliah Pilihan untuk Studi Independen 1/ Elective Course for Specific Independent Study 1/ | 8 | Elective | |
| 35 | SI42902 | Mata Kuliah Pilihan untuk Studi Independen 2/ Elective Course for Specific Independent Study 2 | 8 | Elective | |
| 36 | SI42903 | Mata Kuliah Pilihan untuk Studi Independen 3/ Elective Course for Specific Independent Study 3 | 4 | Elective | |
| 37 | SI42905 | Mata Kuliah Pilihan untuk Studi Independen 5/ Elective Course for Specific Independent Study 5 | 3 | Elective | |
| 38 | SI42904 | Mata Kuliah Pilihan untuk Studi Independen 4/ Elective Course for Specific Independent Study 4 | 4 | Elective | |
| 39 | SI42906 | Mata Kuliah Pilihan untuk Studi Independen 6/ Elective Course for Specific Independent Study 6 | 3 | Elective | |
| 40 | SI42907 | Mata Kuliah Pilihan untuk Studi Independen 7/ Elective Course for Specific Independent Study 7 | 3 | Elective | |
| 41 | SI42908 | Mata Kuliah Pilihan untuk Studi Independen 8/ Elective Course for Specific Independent Study 8 | 2 | Elective | |
| 42 | SI42909 | Mata Kuliah Pilihan untuk Studi Independen 9/ Elective Course for Specific Independent Study 9 | 2 | Elective | |
| 43 | SI42910 | Mata Kuliah Pilihan untuk Studi Independen 10/ Elective Course for Specific Independent Study 10 | 1 | Elective | |
| 44 | SI42911 | Mata Kuliah Pilihan untuk Studi Independen 11/ Elective Course for Specific Independent Study 11 | 1 | Elective | |
| 45 | SI42912 | Mata Kuliah Pilihan untuk Studi Independen 12/ Elective Course for Specific Independent Study 12 | 20 | Elective | |