



KN University Network Design

COIT13236 – Cyber Security Project

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Client's Overview

KN University is a prestigious university in Australia with four active campuses in Melbourne, Sydney, Brisbane, and Adelaide. Dedicated solely to undergraduate programs, the university offers a broad spectrum of academic disciplines across its four faculties. The major areas of specialization include Engineering, Technology, Law and Business. Lecture halls, specialized laboratories, libraries, administrative offices for each campus, students' accommodations, and dining halls are thoughtfully designed for comprehensiveness and convenience in response to different student categories. As a forward-thinking institution, KN University aims to achieve and deliver quality education, creativity, and readiness towards meeting and overcoming the contemporary world's demands through a secure and strong network facility.

- Name of the Organisation: **KN University**
- Location: **Australia**
- Type: **Public Research University**
- Campuses:
 1. **Melbourne**
 2. **Sydney**
 3. **Brisbane**
 4. **Adelaide**
- Program level: **Undergraduate courses**
- Schools:
 1. **School of Engineering**
 2. **School of Science and Technology Faculty**
 3. **School of Business and Law**
 4. **School of Education and Arts**
- Number of courses offer: 23

Campuses

1. Melbourne campus

- Address: **120 Spencer St, Melbourne VIC 3000**
- Number of buildings: **01**
- Number of floors: **06**
- Number of Lecture halls:
- Number of computer labs:
- Main facilities:
 1. Lecture Halls
 2. Engineering Laboratories
 3. IT laboratories
 4. Library
 5. Administration Offices
 6. Cafeteria
 7. Student Accommodation

2. Sydney campus

- Address: **400 Kent St, Sydney NSW 2000**
- Number of buildings: **01**
- Number of floors: **05**
- Main facilities:
 1. Lecture Halls
 2. Engineering Laboratories
 3. IT laboratories
 4. Library
 5. Administration Offices
 6. Cafeteria
 7. Student Accommodation

3. Brisbane campus

- Address: **160 Ann St, Brisbane City, QLD 4000**
- Number of buildings: **01**
- Number of floors: **04**
- Main facilities:
 1. Lecture Halls
 2. Engineering Laboratories
 3. IT laboratories
 4. Library
 5. Administration Offices
 6. Cafeteria
 7. Student Accommodation

4. Adelaide campus

- Address: **44 B26, Wayville, SA 5034**
- Number of buildings: **01**
- Number of floors: **04**
- Main facilities:
 1. Lecture Halls
 2. Engineering Laboratories
 3. IT laboratories
 4. Library
 5. Administration Offices
 6. Cafeteria
 7. Student Accommodation

Courses offered

School of Engineering

1. Bachelor of Civil Engineering (ECE)

Unit Code	Course Units
ECE101	Introduction to Civil Engineering
ECE102	Structural Analysis and Design
ECE103	Geotechnical Engineering
ECE104	Hydraulics and Hydrology
ECE105	Construction Materials
ECE106	Engineering Mechanics
ECE107	Civil Engineering Drawing
ECE108	Fluid Mechanics
ECE201	Transportation Engineering
ECE202	Environmental Engineering
ECE203	Project Management in Civil Engineering
ECE204	Urban Planning and Development
ECE205	Water Resources Engineering
ECE206	Soil Mechanics
ECE301	Surveying and Mapping
ECE302	Advanced Structural Design
ECE303	Construction Project Planning
ECE304	Sustainable Infrastructure
ECE305	Foundation Engineering
ECE306	Advanced Geotechnical Engineering
ECE307	Construction Safety and Quality Management
ECE308	Bridge Engineering
ECE309	Capstone Project

2. Bachelor of Mechanical Engineering (EME)

Unit Code	Course Units
EMC101	Introduction to Mechanical Engineering
EMC102	Thermodynamics
EMC103	Fluid Mechanics
EMC104	Heat Transfer
EMC105	Mechanical Design
EMC106	Materials Science
EMC107	Engineering Drawing and CAD
EMC108	Manufacturing Processes
EMC201	Dynamics and Control Systems
EMC202	Mechanical Vibrations
EMC203	Robotics and Automation
EMC204	Applied Mechanics
EMC205	Energy Systems
EMC206	Mechanics of Materials
EMC301	Advanced Fluid Mechanics

EMC302	Finite Element Analysis
EMC303	Mechatronics
EMC304	Advanced Manufacturing Techniques
EMC305	Renewable Energy Systems
EMC306	Advanced Thermodynamics
EMC307	Computational Fluid Dynamics
EMC308	Machine Design
EMC309	Capstone Project

3. Bachelor of Electrical Engineering (EEE)

Unit Code	Course Units
EEE101	Introduction to Electrical Engineering
EEE102	Circuit Analysis
EEE103	Digital Systems Design
EEE104	Electromagnetics
EEE105	Power Systems
EEE106	Electrical Materials
EEE107	Microprocessors and Microcontrollers
EEE108	Electronics I
EEE201	Control Systems
EEE202	Signal Processing
EEE203	Electrical Machines
EEE204	Power Electronics
EEE205	Communication Systems
EEE206	Renewable Energy Systems
EEE301	Advanced Control Systems
EEE302	Smart Grid Technologies
EEE303	Embedded Systems
EEE304	Digital Signal Processing
EEE305	High Voltage Engineering
EEE306	Robotics and Automation
EEE307	Power System Protection
EEE308	Electric Drives
EEE309	Capstone Project

4. Bachelor of Chemical Engineering (ECH)

Unit Code	Course Units
ECH101	Introduction to Chemical Engineering
ECH102	Chemical Process Principles
ECH103	Thermodynamics in Chemical Engineering
ECH104	Transport Phenomena
ECH105	Chemical Reaction Engineering
ECH106	Process Fluid Mechanics
ECH107	Process Heat Transfer
ECH108	Separation Processes
ECH201	Process Dynamics and Control

ECH202	Biochemical Engineering
ECH203	Polymer Engineering
ECH204	Catalysis and Reaction Engineering
ECH205	Process Simulation and Optimization
ECH206	Environmental Chemical Engineering
ECH301	Advanced Process Control
ECH302	Energy Technology
ECH303	Process Design and Simulation
ECH304	Chemical Plant Design
ECH305	Sustainable Process Engineering
ECH306	Advanced Transport Phenomena
ECH307	Industrial Safety and Risk Management
ECH308	Nanotechnology
ECH309	Capstone Project

School of Technology

1. Bachelor of Computer Science (BCS)

Unit Code	Course Units
BCS101	Introduction to Computer Science
BCS102	Data Structures and Algorithms
BCS103	Operating Systems
BCS104	Computer Networks
BCS105	Database Systems
BCS106	Object-Oriented Programming
BCS107	Discrete Mathematics
BCS108	Web Development
BCS201	Software Engineering
BCS202	Artificial Intelligence
BCS203	Machine Learning
BCS204	Cybersecurity
BCS205	Mobile Application Development
BCS206	Cloud Computing
BCS301	Advanced Algorithms
BCS302	Big Data Analytics
BCS303	Human-Computer Interaction
BCS304	Distributed Systems
BCS305	Game Development
BCS306	Quantum Computing
BCS307	Internet of Things (IoT)
BCS308	Data Visualization
BCS309	Capstone Project

2. Bachelor of Information Technology (BIT)

Unit Code	Course Units
BIT101	Introduction to Information Technology
BIT102	Web Development
BIT103	IT Project Management
BIT104	Network Security
BIT105	Cloud Computing
BIT106	Database Management Systems
BIT107	Systems Analysis and Design
BIT108	Digital Marketing
BIT201	Data Analytics
BIT202	Enterprise Systems
BIT203	Human-Computer Interaction
BIT204	IT Governance and Compliance
BIT205	Business Intelligence
BIT206	Software Quality Assurance
BIT301	Advanced Database Systems
BIT302	IT Infrastructure
BIT303	E-Commerce
BIT304	Advanced Network Security
BIT305	IT Ethics and Law
BIT306	Blockchain Technology
BIT307	IT Service Management
BIT308	Technology Innovation
BIT309	Capstone Project

3. Bachelor of Software Engineering (BSE)

Unit Code	Course Units
BSE101	Introduction to Software Engineering
BSE102	Software Requirements Analysis
BSE103	Software Design and Architecture
BSE104	Agile Software Development
BSE105	Software Testing and Quality Assurance
BSE106	Programming Languages
BSE107	Human Factors in Software Engineering
BSE108	Secure Software Development
BSE201	Software Project Management
BSE202	Advanced Programming Concepts
BSE203	Database Management Systems
BSE204	Mobile Application Development
BSE205	Software Engineering Ethics
BSE206	Web Technologies
BSE301	DevOps
BSE302	Cloud Computing
BSE303	Embedded Systems
BSE304	Software Maintenance and Evolution
BSE305	Artificial Intelligence in Software Engineering

BSE306	Advanced Software Engineering Techniques
BSE307	Open-Source Software Development
BSE308	Software Metrics and Measurement
BSE309	Capstone Project

4. Bachelor of Cybersecurity (BCS)

Unit Code	Course Units
BCS101	Introduction to Cybersecurity
BCS102	Network Security Fundamentals
BCS103	Ethical Hacking
BCS104	Digital Forensics
BCS105	Cybersecurity Risk Management
BCS106	Cybersecurity Law and Policy
BCS107	Secure Coding
BCS108	Penetration Testing
BCS201	Cryptography
BCS202	Secure Software Development
BCS203	Cloud Security
BCS204	Incident Response and Management
BCS205	Advanced Cybersecurity Techniques
BCS206	Cyber Threat Intelligence
BCS301	Cybersecurity Analytics
BCS302	Network defence and Countermeasures
BCS303	Cybersecurity Architecture
BCS304	Industrial Control Systems Security
BCS305	Blockchain Security
BCS306	Mobile Device Security
BCS307	Internet of Things (IoT) Security
BCS308	Artificial Intelligence in Cybersecurity
BCS309	Capstone Project

School of Business and Law

1. Bachelor of Business Administration (BBA)

Unit Code	Course Units
BBA101	Introduction to Business Administration
BBA102	Principles of Management
BBA103	Organizational Behaviour
BBA104	Strategic Management
BBA105	Operations Management
BBA106	Business Ethics
BBA107	Entrepreneurship
BBA108	Business Communication
BBA201	Leadership in Business
BBA202	International Business
BBA203	Financial Management

BBA204	Marketing Management
BBA205	Human Resource Management
BBA206	Management Information Systems
BBA301	Business Law
BBA302	Supply Chain Management
BBA303	Innovation and Technology Management
BBA304	Project Management
BBA305	Corporate Governance
BBA306	Consumer Behaviour
BBA307	Global Business Strategy
BBA308	Business Analytics
BBA309	Capstone Project

2. Bachelor of Marketing (BOM)

Unit Code	Course Units
BOM101	Introduction to Marketing
BOM102	Consumer Behaviour
BOM103	Marketing Research
BOM104	Digital Marketing
BOM105	Brand Management
BOM106	Marketing Strategy
BOM107	Sales Management
BOM108	Integrated Marketing Communications
BOM201	Global Marketing
BOM202	Retail Management
BOM203	Social Media Marketing
BOM204	Product and Pricing Strategies
BOM205	Marketing Channels and Logistics
BOM206	Advertising and Promotion
BOM301	Marketing Analytics
BOM302	Customer Relationship Management
BOM303	E-commerce and Digital Marketing
BOM304	International Marketing
BOM305	Marketing for Nonprofits
BOM306	Services Marketing
BOM307	Marketing Communications
BOM308	Marketing Capstone
BOM309	Marketing Internship

3. Bachelor of Finance (BOF)

Unit Code	Course Units
BOF101	Introduction to Finance
BOF102	Corporate Finance
BOF103	Investment Analysis
BOF104	Financial Markets and Institutions
BOF105	Risk Management

BOF106	International Finance
BOF107	Financial Modelling
BOF108	Portfolio Management
BOF201	Behavioural Finance
BOF202	Financial Statement Analysis
BOF203	Advanced Corporate Finance
BOF204	Fixed Income Securities
BOF205	Derivatives and Risk Management
BOF206	Financial Planning and Wealth Management
BOF301	Real Estate Finance
BOF302	Financial Econometrics
BOF303	Financial Regulation and Compliance
BOF304	Global Financial Management
BOF305	Public Finance
BOF306	Ethics in Finance
BOF307	Financial Technology (FinTech)
BOF308	Finance Capstone
BOF309	Finance Internship

4. Bachelor of Human Resources (BHR)

Unit Code	Course Units
BHR101	Introduction to Human Resources
BHR102	Recruitment and Selection
BHR103	Employee Relations
BHR104	Compensation and Benefits
BHR105	Training and Development
BHR106	Performance Management
BHR107	Strategic Human Resource Management
BHR108	Labor Law
BHR201	Organizational Development
BHR202	International Human Resources Management
BHR203	Human Resource Information Systems
BHR204	Workplace Health and Safety
BHR205	Diversity and Inclusion
BHR206	Employee Engagement
BHR301	Talent Management
BHR302	Industrial Relations
BHR303	Human Resource Analytics
BHR304	Leadership and Team Development
BHR305	Conflict Resolution and Negotiation
BHR306	Change Management
BHR307	Ethics in Human Resources
BHR308	Human Resources Capstone
BHR309	Human Resources Internship

5. Bachelor of Criminal Law (BCL)

Unit Code	Course Units
BCL101	Introduction to Criminal Law
BCL102	Principles of Criminal Liability
BCL103	Criminal Procedure
BCL104	Evidence Law
BCL105	Juvenile Justice
BCL106	Criminal Investigation
BCL107	Comparative Criminal Justice
BCL108	Criminology
BCL201	Comparative Criminal Law
BCL202	Human Rights and Criminal Justice
BCL203	Forensic Science and the Law
BCL204	Sentencing and Penal Policy
BCL205	Cybercrime
BCL206	International Criminal Law
BCL301	Criminal Law Advocacy
BCL302	Victimology
BCL303	Wrongful Convictions
BCL304	Organized Crime
BCL305	Terrorism and Counterterrorism
BCL306	Criminal Justice Policy
BCL307	Human Rights Law in Criminal Justice
BCL308	Advanced Criminal Procedure
BCL309	Capstone Project

6. Bachelor of Corporate Law (BCP)

Unit Code	Course Units
BCP101	Introduction to Corporate Law
BCP102	Business Organizations
BCP103	Corporate Governance
BCP104	Mergers and Acquisitions
BCP105	Securities Regulation
BCP106	International Business Law
BCP107	Corporate Finance Law
BCP108	Bankruptcy and Insolvency Law
BCP201	Corporate Social Responsibility
BCP202	Intellectual Property Law
BCP203	Contract Law
BCP204	Business Ethics and Law
BCP205	Antitrust Law
BCP206	Employment Law
BCP301	Environmental Law
BCP302	International Trade Law
BCP303	Corporate Taxation
BCP304	Financial Regulation
BCP305	Real Estate Law

BCP306	Arbitration and Mediation
BCP307	Legal Compliance and Risk Management
BCP308	Corporate Law Practice
BCP309	Capstone Project

7. Bachelor of International Law (BIL)

Unit Code	Course Units
BIL101	Introduction to International Law
BIL102	Public International Law
BIL103	International Human Rights Law
BIL104	International Trade Law
BIL105	International Environmental Law
BIL106	Law of International Organizations
BIL107	International Criminal Law
BIL108	Law of the Sea
BIL201	International Dispute Resolution
BIL202	Comparative International Law
BIL203	International Humanitarian Law
BIL204	Diplomatic and Consular Law
BIL205	Migration and Refugee Law
BIL206	International Investment Law
BIL301	International Arbitration
BIL302	Space Law
BIL303	Maritime Law
BIL304	International Intellectual Property Law
BIL305	Transnational Litigation
BIL306	International Legal Research
BIL307	Global Governance and Law
BIL308	International Development Law
BIL309	Capstone Project

8. Bachelor of Human Rights Law (BHL)

Unit Code	Course Units
BHL101	Introduction to Human Rights Law
BHL102	Civil and Political Rights
BHL103	Economic, Social, and Cultural Rights
BHL104	International Human Rights Institutions
BHL105	Human Rights Advocacy
BHL106	Refugee and Asylum Law
BHL107	Gender and Human Rights
BHL108	Human Rights in Armed Conflict
BHL201	Human Rights and Development
BHL202	Comparative Human Rights Law
BHL203	Transitional Justice
BHL204	Indigenous Peoples' Rights
BHL205	Children's Rights

BHL206	Disability Rights Law
BHL301	Human Trafficking and Slavery
BHL302	Business and Human Rights
BHL303	Environmental Human Rights
BHL304	Freedom of Expression and Information
BHL305	Right to Privacy
BHL306	Human Rights Monitoring and Reporting
BHL307	Human Rights Litigation
BHL308	Global Human Rights Movements
BHL309	Capstone Project

School Education and Arts

1. Bachelor of Primary Education (BPE)

Unit Code	Course Units
BPE101	Introduction to Education
BPE102	Educational Psychology
BPE103	Curriculum and Pedagogy
BPE104	Child Development and Learning
BPE105	Literacy and Numeracy
BPE106	Classroom Management
BPE107	Inclusive Education
BPE108	Assessment and Reporting
BPE201	Science Education for Primary Years
BPE202	Social Studies Education
BPE203	Arts Education for Primary Years
BPE204	Health and Physical Education
BPE205	Educational Technologies
BPE206	Professional Experience 1
BPE301	Professional Experience 2
BPE302	Indigenous Education
BPE303	Language and Literacy Development
BPE304	Mathematics Education for Primary Years
BPE305	Educational Research
BPE306	Creative Arts Integration
BPE307	Environmental Education
BPE308	Family and Community Engagement
BPE309	Capstone Project

2. Bachelor of Secondary Education (SCE)

Unit Code	Course Units
SCE101	Introduction to Secondary Education
SCE102	Adolescent Development
SCE103	Teaching Methods: Mathematics
SCE104	Teaching Methods: Science
SCE105	Teaching Methods: English
SCE106	Teaching Methods: Humanities
SCE107	Classroom Management in Secondary Schools
SCE108	Educational Psychology for Adolescents
SCE201	Curriculum Design and Evaluation
SCE202	Inclusive Education
SCE203	Educational Technologies
SCE204	Professional Experience 1
SCE205	Professional Experience 2
SCE206	Indigenous Education
SCE301	Assessment and Reporting
SCE302	Teaching Methods: Arts
SCE303	Health and Physical Education
SCE304	Educational Leadership
SCE305	Language and Literacy in Secondary Education
SCE306	STEM Education
SCE307	Educational Research
SCE308	Capstone Project
SCE309	Work Integrated Learning

3. Bachelor of Literature (BOL)

Unit Code	Course Units
BOL101	Introduction to Literature
BOL102	Classical Literature
BOL103	Modern and Contemporary Literature
BOL104	Literary Theory and Criticism
BOL105	Creative Writing
BOL106	World Literature
BOL107	Australian Literature
BOL108	Shakespearean Studies
BOL201	Gender and Literature
BOL202	Postcolonial Literature
BOL203	American Literature
BOL204	Literature and Film
BOL205	Gothic Literature
BOL206	Children's Literature
BOL301	Literary Journalism
BOL302	Indigenous Literature
BOL303	Literature and Society
BOL304	Digital Literature
BOL305	Advanced Creative Writing

BOL306	Literature of the Environment
BOL307	Literary Editing and Publishing
BOL308	Capstone Project
BOL309	Research in Literature

4. Bachelor of History (BOH)

Unit Code	Course Units
BOH101	Introduction to History
BOH102	Ancient Civilizations
BOH103	Medieval Europe
BOH104	Modern European History
BOH105	Australian History
BOH106	American History
BOH107	Asian History
BOH108	History of Science and Technology
BOH201	Military History
BOH202	History of Art and Culture
BOH203	Indigenous Histories
BOH204	Gender and History
BOH205	Public History
BOH206	Oral History
BOH301	Historical Research Methods
BOH302	Environmental History
BOH303	History of Political Thought
BOH304	History of Religion
BOH305	History of Migration
BOH306	Global History
BOH307	History and Media
BOH308	Capstone Project
BOH309	Research in History

5. Bachelor of Media and Communications (BMC)

Unit Code	Course Units
BMC101	Introduction to Media Studies
BMC102	Media and Society
BMC103	Digital Media Production
BMC104	Journalism Principles and Practices
BMC105	Public Relations Theory and Practice
BMC106	Advertising and Marketing Communications
BMC107	Media Ethics and Law
BMC108	Film and Television Studies
BMC201	Social media and Digital Cultures
BMC202	Media Writing and Editing
BMC203	Visual Communication
BMC204	Media Research Methods

BMC205	Global Media Systems
BMC206	Media Audiences and Effects
BMC301	Multimedia Storytelling
BMC302	Strategic Communication
BMC303	Media Project Management
BMC304	Documentary Production
BMC305	Media Entrepreneurship
BMC306	Media and Politics
BMC307	Entertainment Media
BMC308	Capstone Project
BMC309	Media Internship

6. Bachelor of Fine Arts (BFA)

Unit Code	Course Units
BFA101	Introduction to Fine Arts
BFA102	Drawing Techniques
BFA103	Painting Techniques
BFA104	Sculpture Techniques
BFA105	Art History
BFA106	Contemporary Art Practices
BFA107	Digital Art and Design
BFA108	Photography
BFA201	Printmaking
BFA202	Ceramics
BFA203	Textile Arts
BFA204	Installation Art
BFA205	Performance Art
BFA206	Art Criticism and Theory
BFA301	Visual Culture
BFA302	Art and Technology
BFA303	Art and Community
BFA304	Indigenous Art
BFA305	Art Exhibition Practices
BFA306	Art Therapy
BFA307	Advanced Studio Practice
BFA308	Capstone Project
BFA309	Art Internship

7. Bachelor of Music (BMU)

Unit Code	Course Units
BMU101	Introduction to Music
BMU102	Music Theory and Aural Skills
BMU103	Music History
BMU104	Instrumental Techniques
BMU105	Vocal Techniques
BMU106	Composition and Songwriting

BMU107	Music Technology and Production
BMU108	Ensemble Performance
BMU201	Conducting
BMU202	Music Education
BMU203	Jazz and Popular Music Studies
BMU204	Music and Culture
BMU205	Music Business and Management
BMU206	Music Psychology
BMU301	Advanced Music Theory
BMU302	Music Analysis
BMU303	Music Therapy
BMU304	Film Music
BMU305	Music Performance
BMU306	Music Research Methods
BMU307	Contemporary Music Studies
BMU308	Capstone Project
BMU309	Music Internship