



**Articulation Agreement
Between
Bergen Community College and Kean University
Department of Computer Science and Information Technology**

This Agreement is entered into this 26th day of March, 2015 (“Effective Date”) by and between Kean University, 1000 Morris Avenue, Union, New Jersey 07083 (“Kean University”), and Bergen Community College, 400 Paramus Road, Paramus, NJ 07652 (“BCC”). BCC and Kean University are also referred to herein as “Party” individually and “Parties” collectively.

WHEREAS, Kean University is authorized by the State of New Jersey to award baccalaureate and masters degrees; and

WHEREAS, BCC is a public higher education institution of the State of New Jersey authorized to award associate degrees; and

WHEREAS, Kean University and BCC seek to develop collaborative endeavors built on the strengths and capacities of both institutions for the education of their students; and

WHEREAS, it is the goal of Kean University and BCC to provide a seamless transition for BCC students (“Students”) with an associate degree to various academic programs at Kean University’s Department of Computer Science and Information Technology (Department); and

NOW THEREFORE, Kean University and BCC mutually agree as follows:

1. Kean University will allow Students who successfully complete the appropriate or corresponding associate degree at BCC to transfer credits upon their admission to undergraduate programs offered at the Department of Computer Science and Information Technology. The number of credits transferred will depend upon the equivalency of courses pursuant to Exhibit A attached hereto, which may be updated from time to time, as agreed by both parties, to incorporate additional comparable curriculums. The number of credits transferred and awarded by Kean University to a Student shall be pursuant to State legislation and/or corresponding statewide transfer agreements, not exceeding fifty (50) percent of the baccalaureate requirements.
2. Students enrolling into Kean University’s Department of Computer Science and Information Technology must meet all applicable admission requirements of Kean University and the specific program requirements of the courses offered at the

Department. In order for major and supporting courses to transfer the Students must have a minimum grade of "C" or better. While the grade requirements for all general education courses and free electives would be a "D" or better to transfer.

3. This Agreement is based upon the Students completion of an associate degree at BCC. Kean University and BCC shall have joint responsibility for identifying and communicating to each other changes in the policies or requirements of their respective institutions that affect this Agreement. The Parties shall inform each other of any curricular changes that impact the articulated programs as soon as the changes are approved institutionally.
4. All students enrolled in the baccalaureate and masters programs at the Department of Computer Science and Information Technology shall be subject to Kean University's academic policies as stated in its student catalog and handbook. Kean University reserves the right to change its policies and procedures as conditions warrant.
5. Both Parties shall designate individuals to serve as liaisons for the administration of this Agreement.
6. This Agreement shall commence on the Effective Date. Either party has the right to terminate this Agreement on thirty (30) days prior written notice. In the event of a breach of any provision of this Agreement by one party, the other party shall have the right and option to give the breaching party written notice. In the event that the breaching party fails to remedy the breach within thirty (30) days of the receipt of such written notice, the other party may, at its sole option, terminate this Agreement.
7. The Parties agree to review the Agreement once every three (3) years to update course offerings and adjust the terms of the Agreement as needed.
8. Tuition and fees for Kean University courses shall be established and collected by Kean University.
9. Both Kean University and BCC are independent contractors. It is not intended that an employer/employee, joint venture, or partnership agreement be established hereby expressly or by implication between Kean University and BCC. Rather, in discharging all duties and obligations hereunder, Kean University shall at all times be in and remain in an independent contractor relationship with the BCC.
10. Kean University and BCC agree that each shall comply with all applicable requirements of municipal, county, state, and federal authorities, statutes and regulations now or hereafter in force and effect to the extent that they directly or indirectly bear upon the subject matter of this Agreement.
11. Neither party may assign or delegate this Agreement or any interest herein or responsibility hereunder without the prior written consent of the other party.

12. If any provision of this Agreement is, as a matter of law, unenforceable, then such provision shall be deemed to be deleted and this Agreement shall otherwise remain in full force and effect.
13. This Agreement shall be governed by and construed in accordance with the laws of the State of New Jersey, including without limitation, the New Jersey Tort Claims Act, N.J.S.A. 59:1-1 et seq., and the New Jersey Contractual Liability Act, N.J.S.A. 59:13-1 et seq.
14. All notices required or permitted under this Agreement shall be in writing and shall be delivered in person or deposited in the United States mail, postage prepaid, addressed as follows:

To Kean University: Dr. Patricia A. Morreale
Department of Computer Science
Willis Hall 406G
College of Natural, Applied and Health Sciences
Kean University
1000 Morris Avenue
Union, New Jersey, 07083

With a copy to Dr. George Chang
Dean, College of Natural, Applied and Health
Sciences.
Kean University
1000 Morris Avenue
Union, New Jersey, 07083

To BCC: Emily Vandalovsky
Bergen Community College
Room C 111
400 Paramus Road
Paramus, New Jersey 07652

With a copy to Dianna O'Connor
Bergen Community College
Room A118
400 Paramus Road
Paramus, NJ 07652

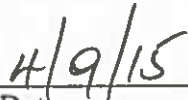
Signature Page to Follow

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their duly authorized officers.

BERGEN COMMUNITY COLLEGE




Dr. B. Kaye Walter
President




Date

KEAN UNIVERSITY



Dr. Dawood Farahi
President



Date

Exhibit A*

BERGEN COMMUNITY COLLEGE /KEAN UNIVERSITY

A.S. Professional Studies- IT Option - B.S. INFORMATION TECHNOLOGY AS.PS.INFO

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|--|------------------------|--------------|---|------------------------|--------------|
| Intro to Information Technology | INF 101 | 3 | IT Foundations | Tech 1010 | 3 |
| Prog. Languages Fund. Elec. | INF145/152/153 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Mathematics Elective | MAT 180 or MAT 223/280 | 3/4 | Pre-calculus or Calculus I | Math 1054 or Math2415 | 3/4 |
| Speech Communications or Public Speaking | COM 100 or COM 102 | 3 | Speech Communication or Public Speaking | COMM 1402 or COMM 2405 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Total | | 15/16 | | | 16/17 |

Second Semester

| | | | | | |
|------------------------------|-----------------|-----------|-----------------------|-----------|-----------|
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 1001 | 3 |
| Adv. Prog. Lang. Elective | INF 224/246/268 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| English Composition II | WRT 201 | 3 | Research & Technology | GE 2024 | 3 |
| Humanities Electives | | 6 | Humanities Electives | Various | 6 |
| GE Elective or Free Elective | | 3 | GE or Free elective | GE or FEX | 3 |
| Total | | 18 | | | 19 |

Third Semester

| | | | | | |
|--------------------------|--------------------------------|-----------|--------------------------|----------------------------------|--------------|
| Restricted INF Elective | INF 145, 152, 153, 160, or 217 | 3 | Tech Core or Elective | CPS 1003, Tech 1500 or TECH 2740 | 3/4 |
| Natural Science Elective | | 4 | Natural Science Elective | Various | 4 |
| Humanities Electives | | 6 | Humanities Electives | Various | 6 |
| Social Science elective | | 3 | Social Science Elective | Various | 3 |
| Total | | 16 | | | 16/17 |

Fourth Semester

| | | | | | |
|-----------------------------|---------|-----------|--------------------------|-----------|-----------|
| Systems Analysis and Design | INF 108 | 3 | Computer Systems | Tech 2920 | 3 |
| Natural Science Elective | | 4 | Natural Science Elective | | 4 |
| Humanities Elective | | 3 | Humanities Elective | | 3 |
| Social Science Elective | | 3 | Social Science Elective | | 3 |
| Free elective | | 3 | Free Elective | | 3 |
| Total | | 16 | | | 16 |

Total Semester Hours:

65/66

67/68

**A.A.S. Health Prof/Career Tech. – Medical Informatics - B.S. INFORMATION TECH
AAS.MED.INFO**

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|---------------------------------|----------------|-----------|----------------------------|-----------|-----------|
| Anatomy & Physiology I | BIO 109 | 4 | Anatomy & Physiology I | BIOX 2001 | 4 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| Prog. Languages Fund. Elec. | INF145/152/153 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Medical Terminology | MOA 140 | 3 | Medical Terminology | HIM 2013 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Total | | 16 | | | 17 |

Second Semester

| | | | | | |
|--|--------------------|-----------|--|---------------------|-----------|
| Anatomy & Physiology II | BIO 209 | 4 | Anatomy & Physiology II | BIOX 2002 | 4 |
| Adv. Prog. Lang. Elective | INF 224/246/268 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| Diagnostic & Proc. Coding | MOA 201 | 3 | Free Elective | FEX 1000 | 3 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Humanities Elective | | 3 | Humanities Elective | Various | 3 |
| Total | | 16 | | | 17 |

Third Semester

| | | | | | |
|--------------------------------|---------|--------------|----------------------|---------------------|--------------|
| Database for Applications | INF217 | 3 | Database Concepts | TECH 2740 | 3 |
| Intro to Medical Assisting | MOA 141 | 3 | Free Elective | FEX 1001 | 3 |
| Medical Economics | MOA 281 | 2 | Free Elective | FEX 1002 | 3 |
| Mathematics Elective | MAT ... | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| Humanities Electives | | 3 | Humanities Electives | Various | 3 |
| Dynamics of Health and Fitness | WEX 101 | 2 | | | |
| Total | | 16/17 | | | 15/16 |

Fourth Semester

| | | | | | |
|--------------------------|---------|-----------|------------------------------|----------|-----------|
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 100X | 3 |
| Database Programming | INF 218 | 3 | Database Systems | CPS 3740 | 3 |
| Database Administration | INF 219 | 3 | IT Data Structures & Prog | CPS 2240 | 3 |
| Applications Development | INF 239 | 3 | Obj Oriented Analysis Design | CPS 3962 | 3 |
| Pharmacology for MOAs | MOA 200 | 2 | Free Elective | FEX 1003 | 3 |
| Social Science Elective | | 3 | Social Science Elective | Various | 3 |
| Total | | 17 | | | 18 |

Total Semester Hours:

65/66

67/68

A.A.S. IT – Database Prog and Admin - B.S. INFORMATION TECH
AAS.IT.DB

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|----------------------------------|----------------|-----------|-----------------------------|-----------|-----------|
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 100X | 3 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| Prog. Languages Fund. Elec. | INF145/152/153 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Business Programming Logic | INF 150 | 3 | CPS Elective | CPS 1003 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Humanities/Social Science Elect. | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 18 | | | 19 |

Second Semester

| | | | | | |
|--|--------------------|-----------|--|---------------------|-----------|
| Adv. Prog. Lang. Elective | INF 224/246/268 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| Microsoft Office | INF 114 | 3 | Microcomputer Applications | CPS 1032 | 3 |
| Web Development | INF 146 | 3 | Web-Client Development | TECH 2925 | 3 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Humanities or Soc Sci Elective | | 3 | Humanities or Soc Sci Elect | Various | 3 |
| Total | | 15 | | | 16 |

Third Semester

| | | | | | |
|-----------------------------|---------|--------------|-------------------------|---------------------|--------------|
| Networking Tech & Data Comm | INF 160 | 3 | Data Communications | TECH 1500 | 4 |
| Systems Analysis & Design | INF 208 | 3 | Computer Systems | TECH 2920 | 3 |
| Database for Applications | INF 217 | 3 | Database Concepts | TECH 2740 | 3 |
| Technical Communications | INF 253 | 3 | Prep of Tech. Documents | TECH 2900 | 3 |
| Mathematics Elective | MAT .. | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| Total | | 15/16 | | | 16/17 |

Fourth Semester

| | | | | | |
|--------------------------|---------|-----------|---------------------------|-----------|-----------|
| Database Programming | INF 218 | 3 | Database Systems | CPS 3740 | 3 |
| Database Administration | INF 219 | 3 | IT Data Structures & Prog | CPS 2240 | 3 |
| Applications Development | INF 239 | 3 | Obj Oriented Ana. Design | CPS 3962 | 3 |
| Restricted Elective | | 3 | Tech Elective | TECH 1001 | 3 |
| Natural Science Elective | | 4 | Lab Science Elective | Various | 4 |
| Total | | 16 | | | 16 |

Total Semester Hours:

64/65

67/68

A.A.S. IT – Networking Administration - B.S. INFORMATION TECH
AAS.IT.NET

Bergen Community College Course
First Semester

Kean University Equivalent Courses

| | | | | | |
|---------------------------------|---------|-----------|-----------------------------|-----------|-----------|
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| PC upgrade, mainte. & Diag | INF 108 | 3 | Computing in Modern Society | ID 1400 | 3 |
| Net. Tech. and Data Comm. | INF 160 | 3 | Data Communications | TECH 1500 | 4 |
| MS Office | INF 114 | 3 | Microcomputer Applications | CPS 1032 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 18 | | | 19 |

Second Semester

| | | | | | |
|--|--------------------|-----------|--|---------------------|-----------|
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 1001 | 3 |
| Windows Active Directory | INF 272 | 3 | Free Elective | CPS 1001 | 3 |
| Windows Client | INF 232 | 3 | Free Elective | CPS 1002 | 3 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 15 | | | 15 |

Third Semester

| | | | | | |
|----------------------------|---------|-----------|---------------------------|-----------|-----------|
| Windows Server | INF 252 | 3 | Free Elective | CPS 1003 | 3 |
| Technical Communications | INF 253 | 3 | Prep. Of Tech. Documents | TECH 2900 | 3 |
| UNIX/Linux for Net. Admin. | INF 254 | 3 | UNIX/Linus Operation Sys. | TECH 3525 | 3 |
| Network Configuration I | INF 265 | 3 | System and Network Admin | TECH 4527 | 3 |
| Natural Science Elective | | 4 | Lab Science Elective | Various | 4 |
| Total | | 16 | | | 16 |

Fourth Semester

| | | | | | |
|---|--------------------|--------------|----------------------------|---------------------|--------------|
| Topics in Networking or Database Administration | INF 256 or INF 219 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Network Troubleshooting | INF 257 | 3 | Technology Systems | TECH 1100 | 3 |
| Network Security | INF 267 | 3 | Special Topics in IT | TECH 4980 | 3 |
| Restricted Elective | | 3 | Free Elective | TECH 1001 | 3 |
| Mathematics Elective | MAT ... | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| Total | | 15/16 | | | 16/17 |

Total Semester Hours:

64/65

66/67

A.A.S. IT – Web Development & Management - B.S. INFORMATION TECH

AAS.IT.WEB

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|---------------------------------|----------------|-----------|-----------------------------|-----------|-----------|
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 1001 | 3 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| Prog. Languages Fund. Elec. | INF145/152/153 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Business Programming Logic | INF 150 | 3 | Medical Terminology | HIM 2013 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 18 | | | 19 |

Second Semester

| | | | | | |
|--|--------------------|-----------|--|---------------------|-----------|
| Adv. Prog. Lang. Elective | INF 224/246/268 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| MS Office | INF 114 | 3 | Microcomputer Applications | CPS 1032 | 3 |
| Introduction to Multimedia | INF 140 | 3 | Free Elective | CPS 1001 | 3 |
| Web Development | INF 146 | 3 | Web-Client Development | TECH 2925 | 3 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Total | | 15 | | | 16 |

Third Semester

| | | | | | |
|---------------------------|---------|--------------|--------------------------|---------------------|--------------|
| Net. Tech. and Data Comm. | INF 160 | 3 | Data Communications | TECH 1500 | 4 |
| Sys. Analysis & design | INF 208 | 3 | Computer Systems | TECH 2920 | 3 |
| Database for Applications | INF 217 | 3 | Database Concepts | TECH 2740 | 3 |
| Technical Communications | INF 253 | 3 | Prep. Of Tech. Documents | TECH 2900 | 3 |
| Mathematics Elective | MAT ... | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| Total | | 15/16 | | | 16/17 |

Fourth Semester

| | | | | | |
|-----------------------------|---------|-----------|------------------------------|-----------|-----------|
| Advance Web Development | INF 263 | 3 | Web Programming | CPS 3500 | 3 |
| Applications Development | INF 239 | 3 | Obj Oriented Analysis Design | CPS 3962 | 3 |
| Restricted Elective | | 3 | Tech Elective | TECH 1001 | 3 |
| Natural Science Elective | | 4 | Lab Science Elective | Various | 4 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 16 | | | 16 |

Total Semester Hours:

64/65

67/68

A.A.S. Software Development – Game Prog - B.S. INFORMATION TECH
AAS.SD.GAME.PGMF

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|---------------------------------|---------|-----------|-----------------------------|-----------|-----------|
| Fundamentals of programming | CIS 165 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Intro. To Game Arch. & Design | GAM 110 | 3 | Computer Systems | TECH 2920 | 3 |
| Game Programming 2D | GAM 111 | 3 | Computer Animation | TECH 2410 | 3 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 18 | | | 19 |

Second Semester

| | | | | | |
|--|--------------------|--------------|--|---------------------|--------------|
| Adv. Programming Concept | CIS 265 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| Game Development 2D | GAM 211 | 3 | Game Design and Develop. | TECH 3650 | 3 |
| Introduction to Multimedia | INF 140 | 3 | Free Elective | CPS 1001 | 3 |
| Mathematics Elective | MAT ... | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Total | | 15/16 | | | 16/17 |

Third Semester

| | | | | | |
|-------------------------------|---------|-----------|---------------------------|-----------|--------------|
| Data Structure & Algorithm | CIS 277 | 3 | IT Data Structures & Prog | CPS 2240 | 3 |
| Game Programming 3D | GAM 221 | 3 | New Media Programming II | TECH 3602 | 3 |
| Testing and Quality Assurance | INF 130 | 3 | Free Elective | CPS 1002 | 3 |
| Advance Multimedia | INF 230 | 3 | New Media Programming I | TECH 3601 | 3 |
| Restricted Elective | MAT/CIS | 4 | Tech Elective | TECH 1001 | 3 |
| Total | | 16 | | | 16/17 |

Fourth Semester

| | | | | | |
|---|---------|-----------|---------------------------------|-----------|-----------|
| Game Development 3D | GAM 211 | 3 | Virtual and Augmented Reality | TECH 3640 | 3 |
| Restricted Elective | INF | 3 | Tech Elective | TECH 1001 | 3 |
| General Physics I | PHY 186 | 4 | Lab Science Elective | Various | 4 |
| Writing/ Humanities Restricted Elective | | 3 | Writing/Humanities Sci Elective | Various | 3 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 16 | | | 16 |

Total Semester Hours:

65/66

67/68

**A.A.S. Software Development – Game Testing - B.S. INFORMATION TECH
AAS.SD.GAME.TEST**

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|---------------------------------|-------------------|-----------|-----------------------------|-----------|-----------|
| Intro. To Game Arch. & Design | GAM 110 | 3 | Computer Systems | TECH 2920 | 3 |
| Game Programming 2D | GAM 111 | 3 | Computer Animation | TECH 2410 | 3 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| Intro. To Programming Elective | CIS165/INF145/253 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 18 | | | 19 |

Second Semester

| | | | | | |
|--|--------------------|--------------|--|---------------------|--------------|
| Game Development 2D | GAM 211 | 3 | Game Design and Develop. | TECH 3650 | 3 |
| Introduction to Multimedia | INF 140 | 3 | Free Elective | CPS 1001 | 3 |
| Advance Programming Elective | CIS265/INF246/268 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| Mathematics Elective | MAT ... | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Total | | 15/16 | | | 16/17 |

Third Semester

| | | | | | |
|-------------------------------|---------|-----------|--------------------------|-----------|-----------|
| Game Programming 3D | GAM 221 | 3 | New Media Programming II | TECH 3602 | 3 |
| Testing and Quality Assurance | INF 130 | 3 | Free Elective | CPS 1002 | 3 |
| Advance Multimedia | INF 230 | 3 | New Media Programming I | TECH 3601 | 3 |
| Database for Applications | INF 217 | 3 | Database Concepts | TECH 2740 | 3 |
| Technical Communications | INF 253 | 3 | Prep of Tech. Documents | TECH 2900 | 3 |
| Total | | 15 | | | 15 |

Fourth Semester

| | | | | | |
|---|---------|---|---------------------------------|-----------|---|
| Game Development 3D | GAM 211 | 3 | Virtual and Augmented Reality | TECH 3640 | 3 |
| Restricted Elective | INF | 3 | Tech Elective | TECH 1001 | 3 |
| General Physics I | PHY 186 | 4 | Lab Science Elective | Various | 4 |
| Writing/ Humanities Restricted Elective | | 3 | Writing/Humanities Sci Elective | Various | 3 |

| | | | | | |
|-----------------------------|--|-----------|-----------------------------|---------|-----------|
| Humanities/Soc Sci Elective | | 3 | Humanities/Soc Sci Elective | Various | 3 |
| Total | | 16 | | | 16 |

Total Semester Hours:

64/65

66/67

BERGEN COMMUNITY COLLEGE /KEAN UNIVERSITY

**A.A.S. Business Admin- Mgmt Info. Sys - B.S. INFORMATION TECH
AAS.BUS.INFO.SYS**

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|---------------------------------|----------------|--------------|----------------------------|---------------------|--------------|
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 1001 | 3 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| Prog. Languages Fund. Elec. | INF145/152/153 | 3 | Fundamentals of Comp. Sci. | CPS 1231 | 4 |
| Mathematics Elective | MAT ... | 3/4 | Math Elective | Math 1000/1054/2415 | 3/4 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Total | | 15/16 | | | 16/17 |

Second Semester

| | | | | | |
|--|--------------------|-----------|--|---------------------|-----------|
| Financial Accounting | ACC 110 | 3 | Principles of Accounting I | ACCT 2200 | 3 |
| Principles of Management | BUS 207 | 3 | Principles of Management | MGS 2030 | 3 |
| Adv. Prog. Lang. Elective | INF 224/246/268 | 3 | Computer Org. & Prog | CPS 2231 | 4 |
| MS Office | INF 114 | 3 | Microcomputer Applications | CPS 1032 | 3 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Macroeconomics | ECO 101 | 3 | Principle of Economics I | ECO 1020 | 3 |
| Total | | 18 | | | 19 |

Third Semester

| | | | | | |
|--|--------------------|-----------|--|------------------------|-----------|
| Managerial Accounting | ACC 210 | 3 | Principles of Accounting II | ACCT 2210 | 3 |
| Market Principles | BUS 201 | 3 | Principles of Marketing | MKT 2500 | 3 |
| Database for Applications | INF 217 | 3 | Database Concepts | TECH 2740 | 3 |
| Speech Communications or Public Speaking | COM 100 or COM 102 | 3 | Speech Communications or Public Speaking | COMM 1402 or COMM 2405 | 3 |
| Humanities Elective | | 3 | Humanities Elective | Various | 3 |
| Total | | 15 | | | 15 |

Fourth Semester

| | | | | | |
|-----------------------------|--------------------|---|----------------------------------|-----------|---|
| Restricted Elective | | 3 | Tech Elective | TECH 1001 | 3 |
| e-commerce or e-marketing | BUS 271 or BUS 210 | 3 | INTERNET MARKETING | MKT 3490 | 3 |
| Networking Tech & Data Comm | INF 160 | 3 | Data Communications | TECH 1500 | 4 |
| Systems Analysis & Design | INF 208 | 3 | Computer Systems | TECH 2920 | 3 |
| Excel for Problem Solving | INF 228 | 1 | Introduction to Computing System | CPS 1010 | 1 |

| | | | | | |
|---------------------|--|-----------|---------------------|---------|-----------|
| Humanities Elective | | 3 | Humanities Elective | Various | 3 |
| Total | | 16 | | | 17 |

Total Semester Hours:

64/65

67/68

**A.A.S. Business Tech. – IT – Office Tech. - B.S. INFORMATION TECH
AAS.BT.OFF.TECH**

Bergen Community College Course

Kean University Equivalent Courses

First Semester

| | | | | | |
|---------------------------------|---------|-----------|----------------------------|-----------|-----------|
| Document processing | INF 119 | 3 | Tech Elective | TECH 1001 | 3 |
| Intro to Information Technology | INF 101 | 3 | IT Foundations | TECH 1010 | 3 |
| MS Office | INF 114 | 3 | Microcomputer Applications | CPS 1032 | 3 |
| Introduction to Business | BUS 101 | 3 | Free Elective | FEX 1001 | 3 |
| English Composition | WRT 101 | 3 | English Composition | ENG 1030 | 3 |
| Total | | 15 | | | 15 |

Second Semester

| | | | | | |
|--|--------------------|-----------|--|---------------------|-----------|
| Humanities Elective | | 3 | Humanities Elective | Various | 3 |
| Introduction to Multimedia | INF 140 | 3 | Free Elective | CPS 1001 | 3 |
| Web Development | INF 146 | 3 | Web-Client Development | TECH 2925 | 3 |
| Business Mathematics | BUS 103 | 3 | College Algebra | MATH 1000 | 3 |
| Business Communications | BUS 105 | 3 | Speech Communications | COMM 1402 | 3 |
| English Composition II or Technical Writing II | WRT 201 or WRT 202 | 3 | Research & Technology or Technical Writing | GE 2024 or ENG 3090 | 3 |
| Total | | 18 | | | 18 |

Third Semester

| | | | | | |
|-------------------------------------|---------|--------------|-------------------------------------|-----------|--------------|
| Database for Applications | INF 217 | 3 | Database Concepts | TECH 2740 | 3 |
| Financial Accounting | ACC 110 | 3 | Principles of Accounting I | ACCT 2200 | 3 |
| Technical Communications | INF 253 | | Preparation of Technical Documents | TECH 2900 | 3 |
| Math/CPS/Natural Sci./Tech Elective | | 3/4 | Math/CPS/Natural Sci./Tech Elective | Various | 3/4 |
| G.E. Elective | | 3 | G.E. Elective | Various | 3 |
| Total | | 15/16 | | | 15/16 |

Fourth Semester

| | | | | | |
|---------------------------|--------------------|-----------|----------------------------------|-------------------------------|--------------|
| Excel for Problem Solving | INF 228 | 1 | Introduction to Computing System | CPS 1010 | 1 |
| e-commerce or e-marketing | BUS 271 or BUS 210 | 3 | INTERNET MARKETING | MKT 3490 | 3 |
| Restricted Elective | INF108/150/160/230 | 6 | Tech Core or Elective | CPS 1001, TECH 1500, TECH3601 | 6/7 |
| Humanities Elective | | 3 | Humanities Elective | Various | 3 |
| Social Science Elective | | 3 | Social Science Elective | | 3 |
| Total | | 16 | | | 16/17 |

Total Semester Hours:

64/65

64/66

***To transfer all major and supporting courses the grade required must be a 'C' or better.**

***General education courses and free electives may transfer with a grade of 'D' or better.**