CALL TO ORDER:

AGENDA MODIFICATIONS (Informational):
(This item allows for items to be removed from the Agenda or for items to be considered in a different order than they are presented in the published document. It is also an opportunity for both the Co-chairs and the members to indicate an interest in pulling Items off the Consent Agenda to be considered separately. Items on the Consent Agenda are considered routine matters of business.)

APPROVAL OF MINUTES: (Action)
- November 3, 2014 minutes

CHAIR’S REPORT: (Informational)
- Creation of task force by the California Community Colleges Board of Governors to target CTE development – Robin Kurotori (I)

ARTICULATION UPDATES:
None

SELECTED TOPICS: (Consent/Action)
None

CONSORTIUM COURSES: (Consent/Action)
None

MINOR REVISIONS: (Consent/Information)
ART-104C Color – Katie Frank
Change catalog description: This lecture/studio course will introduce the beginning student to various theories of color, hands-on experience in mixing and using colors, and practical observation in color relationships and effects. Change class schedule description: Introduction to mixing and applying color, and observing the qualities of colors. Revise counselor information; student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks; supplies.

CNET-154 Computer Network Fundamentals (Network+) – Richard Grotegut
Change title from Network Technician Training (Network+).

HIST-105 History of California – Heather McCarty
Change catalog description: This course covers the history and development of California from its beginnings to the present day with emphasis on the economic, social, ethnic, multicultural, and political forces which shaped the modern state, and includes a comparison of the California and United States Constitutions. Revise course content; textbooks.

HIST-119A Bad Girls: Women in America before 1890 – Heather McCarty
Revise student learning outcomes; course content.

HIST-119B Bad Girls: Women in America from 1890 – Heather McCarty
Revise student learning outcomes; course content.

MATH-159 Introduction to Statistics – Steve Bitzer
Revise course content.
MM-110 Digital Video for the Web and DVD – Isabel Reichert
This course is a hands-on introduction to digital video to develop narrative and media production skills. The course will combine hands-on demonstrations, technical workshops, readings, discussion, and critiques using high resolution DSLRs. Topics include preproduction, creating stories and documentaries, camera shots, composition, editing (iMovie and Final Cut), transitions, video file formats, compression, special effects, and producing video for YouTube, Web sites, and DVD. Revise course assignments.

TD-170 Survey of Entertainment Design – Michael Smith
Revise student learning outcomes; course content; course assignments; methods of evaluation; textbooks.

DEACTIVATIONS: (Consent/Action)
Courses no longer offered:
AJ-132 Civil Law – Walt Birkedahl
AJ-140 Post PC 832 Laws of Arrest – Rich Cominos
AJ-141 Post PC832 Basic Firearms Qualification – Rich Cominos

SUBCOMMITTEE APPROVALS/REPORTS: (Action/Information)
Distance Education Subcommittee:
ESL-184RW Reading and Writing, Level IV
SPCH-102 Small Group Communication/Critical Thinking
SPCH-104 Critical Thinking/Persuasion

General Education Subcommittee:

New Approvals:
Area IIIA, Fine Arts: MM-100

Disapproved for New Approvals:
Area IIIA, Fine Arts: GA-160A/ART-160A, GA-161A/ART-161A
Courses are not theory based, or historical.

Area IIIB, Humanities: MM-100
Course is more of a Fine Arts course rather than Humanities course.

Reaffirmation of GE Approvals:
Area IIIB, Humanities: GA-160A/ART-160A, GA-161A/ART-161A
Area IVB, Analytical Thinking and Oral Communication: SPCH-102, SPCH-104
Area IVC, Math Proficiency: MATH-152A

Disapproved for Reaffirmation:
None

Deleted from GE Plan A:
None

SLOAC UPDATES:
GIDD plans - January 2015 Learning College Week – Rachel Sherman

COURSE REACTIVATION: (Consent/Action)
HLTH-125 Stress Management – Robin Kurotori
36.00 hours lecture
Units: 2.00
Accepted for Credit: CSU
This course is a theoretical approach to understanding sources of stress and incorporating stress management into your daily life. Explore personal stressors, the physical and psychological implications of that stress, prevention strategies, and stress reduction techniques. (GC)
REQUISITES: (Action)
INT-127     Ethics I – Shelley Lawrence
Add prerequisite: Admission to the Interpreter Preparation Program.

INT-295     Interpreting Internship – Shelley Lawrence
Add prerequisite: INT-253.

PTA-111     Advanced Procedures – Sheryl Einfalt

RT-105B     Intermediate Laboratory II – Michael Blaisdell

RT-107      Intermediate Clinical Practice – Michael Blaisdell

RT-108      Basic Principles Respiratory Pathophysiology – Michael Blaisdell

RT-130A     Advanced Respiratory Therapy I – Michael Blaisdell
Add prerequisite: RT-131A.

RT-130B     Advanced Respiratory Therapy II - Michael Blaisdell
Add prerequisite: RT-132.

RT-131B     Principles of Mechanical Ventilation II - Michael Blaisdell
Add prerequisite: RT-132.

MAJOR COURSE REVISIONS (Consent/Action)
AJ-101      Administration of Justice – Richard Cominos
Change catalog description: This course covers the history and philosophy of administration of justice in America as well as describing the justice system itself and describing relationships of its various subsystems. The course also explores theories of crime, punishment, ethics, education, and training for professionalism in the justice system. Change class schedule description: History and philosophy of administration of justice in America as well as describing the justice system and relationships of its various subsystems. Revise student learning outcomes; course assignments; methods of evaluation; methods of instruction.

AJ-102      Criminal Law – Richard Cominos
Change catalog description: This course covers concepts of criminal law: historical development, philosophy of law, and constitutional provisions. The course also covers classifications of crime and their application to the justice; and case law, methodology, and concepts of the law as a social force. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction.

AJ-104      Criminal Evidence – Richard Cominos
Change catalog description: This course covers the legal aspects of evidence: the origin, development, philosophy, and constitutional basis of evidence, along with constitutional and procedural considerations affecting arrest, search and seizure, kinds and degrees of evidence, and rules governing admissibility. This course uses judicial decisions interpreting individual rights, plus case studies, to analyze the material presented. Change class schedule description: Legal aspects of evidence; origin, development, philosophy, and constitutional basis of evidence. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

AJ-106      Criminal Procedure – Richard Cominos
Change catalog description: This course covers the principles and procedures of the justice system. The course is an in-depth study of the role and responsibilities of each segment within the Administration of Justice system—law enforcement, judicial, and corrections. Change class schedule description: Principles, procedures, responsibilities, role, and relationship of each segment within the Administration of Justice system. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.
AJ-117  Police and Society – Richard Cominos
Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction.

AJ-131  Administration of Juvenile Justice – Richard Cominos
Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction.

AJ-135  Drug Enforcement – Richard Cominos
Change units from 2.00 to 3.00. Change lecture hours from 36.00 to 54.00. Change total hours from 36.00 to 54.00. Change class schedule description: The user, supplier, investigation, and solutions to use and sale of narcotic and dangerous drugs are covered in this course. Revise student learning outcomes; course assignments; methods of evaluation; methods of instruction.

ASL-152  Advanced Fingerspelling – Sandra Ammons
Change catalog description: This course provides concentrated instruction in the receptive and expressive practice of advanced fingerspelling at increasing levels of complexity. The course is recommended for advanced students majoring in American Sign Language and Deaf Studies or students who are in the Interpreter Preparation Program. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

CS-174  Mobile App Programming in Android – Yong Q. Gao
Add advisory: CS-170.

DEAF-161  Introduction to the Deaf Community – Thomas Holcomb
Change field trips from not required to may be required. Change catalog description: This is a basic course on the culture of American Deaf people. Cultural norms of Deaf people are examined, current issues within the Deaf community are discussed, and community resources are presented. Taught in ASL. Not applicable to associate degree. Revise counselor information; course assignments; methods of evaluation; methods of instruction; textbooks.

DEAF-331  Counseling the Deaf – Thomas Holcomb
Change catalog description: This course is designed to provide students with skills that are needed to work with Deaf and Hard-of-Hearing students in a school setting. Taught in ASL. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

INT-127  Ethics I – Shelley Lawrence
Change grading option from GC to GR. Remove corequisites: INT-106, INT-107, INT-112, INT-115, INT-116. Add prerequisite: Admission to the Interpreter Preparation Program. Change catalog description: This course will focus on identifying and exploring students’ personal ethics and beliefs as well as those of the majority culture in the United States. Change class schedule description: This course will explore students’ personal ethics and beliefs as well as those of the majority culture in the United States. Revise student learning outcomes; course content; methods of evaluation.

INT-295  Interpreting Internship – Shelley Lawrence
Add prerequisite: INT-253. Change catalog description: This course is designed to give IPP students a concentrated field experience in interpreting. Students will spend 180 hours working in at least two facilities providing ASL-English interpreting services to Deaf and hearing individuals. Students will have on-site mentors and site-supervisors. Change class schedule description: Direct experience interpreting in community and education settings. Revise counselor information; student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks;

PD-100  Transition to College – Jesse MacEwan
Change catalog description: This course is designed for new students as an orientation to Ohlone and to college life in general. Students will become familiar with various aspects of Ohlone such as college facilities, programs, services, policies, technology, and college-wide issues. Additional topics that will be covered are study skills, academic expectations, diversity, health/wellness, and relationships. Revise counselor information; student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.
PHIL-107 Practical Reasoning – Wayne Yuen
Revise student learning outcomes; course content; textbooks.

PTA-109 Physical Therapy Through the Life Span – Sheryl Einfalt
Remove prerequisite: Admission to PTA Program, PTA-105A, PTA-106. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

PTA-111 Advanced Procedures – Sheryl Einfalt
Change field trips from not required to may be required. Remove prerequisite: Admission to PTA Program and PTA-101. Add prerequisite: PTA-109. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

RT-104B Principles of Respiratory Therapy III – Michael Blaisdell
Change catalog description: This course covers theory related to analysis of cardiopulmonary assessment findings and cleaning and sterilization of respiratory care equipment. This course also includes study of additional fundamentals of respiratory physiology including assessment of oxygenation and hypoxia, beginning acid base balance, and arterial blood gas analysis. Revise counselor information; course assignments; methods of evaluation; methods of instruction; textbooks; supplies.

RT-105B Intermediate Laboratory II – Michael Blaisdell
Remove prerequisite: RT-102. Add prerequisite: RT-101. Change catalog description: This course is an introduction to ventilator and emergency airway management for respiratory therapy students. The course provides laboratory practice of advanced techniques required in emergency and critical care settings within the laboratory confines. Revise counselor information; student learning outcomes; course assignments; methods of evaluation; textbooks.

RT-107 Intermediate Clinical Practice – Michael Blaisdell
Change grading options from GR to CR. Remove prerequisite: Admission to the RT program; completion of semester one of RT program. Add prerequisite: RT-101. Change catalog description: This is a supervised clinical experience course at area hospitals for Respiratory Therapist students. The course emphasizes the practice of beginning and intermediate-level problem-solving and technical skills including assessment, oxygen therapy, humidity and aerosol administration, chest physical therapy, hyperinflation therapy, airway management and beginning artificial ventilation. Change class schedule description: This is a supervised clinical experience emphasizing beginning and intermediate-level skills for RT students. Revise counselor information; course assignments; methods of evaluation; methods of instruction; textbooks.

RT-108 Basic Principles Respiratory Pathophysiology – Michael Blaisdell
Remove prerequisite: Admission to the RT program; completion of semester 1 of RT program. Add prerequisite: RT-101. Revise student learning outcomes; course assignments; methods of evaluation; methods of instruction; textbooks.

RT-130A Advanced Respiratory Therapy I – Michael Blaisdell
Remove prerequisites: RT-104A, RT-104B, and RT-108. Add prerequisite: RT-131A. Revise student learning outcomes; course content; course assignments; methods of evaluation; textbooks.

RT-130B Advanced Respiratory Therapy II - Michael Blaisdell
Remove prerequisite: RT-130A. Add prerequisite: RT-132. Revise course content; course assignments; methods of evaluation; textbooks.

RT-130L Advanced Clinical Practice – Michael Blaisdell
Remove corequisite: RT-133. Change catalog description: This is a supervised clinical experience course at area hospitals for Respiratory Therapist students. The course emphasizes the practice of advanced-level technical skills including procedures employed in emergency care situations, artificial airway maintenance and discontinuance, arterial blood sampling measurements, and initiation and termination of mechanical ventilatory life support. Change class schedule description: Supervised hospital clinical rotation for Respiratory Therapist students. Revise counselor information; student learning outcomes; course assignments; methods of evaluation; methods of instruction; textbooks.
RT-131A  Principles of Mechanical Ventilation I - Michael Blaisdell  
Remove prerequisites: RT-104A and RT-104B. Revise course assignments; methods of evaluation; methods of instruction; textbooks.

RT-131B  Principles of Mechanical Ventilation II - Michael Blaisdell  
Remove prerequisite: RT-131A. Add prerequisite: RT-132. Revise course content; course assignments; methods of evaluation; methods of instruction; textbooks.

RT-134L  Clinical Practicum in Neonatal and Pediatric Respiratory Care – Michael Blaisdell  
Change catalog description: This clinical course specializes in the respiratory care of the neonatal and pediatric population. Change class schedule description: Clinical experience emphasizing the respiratory care needs of the neonate and pediatric patient. Revise student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

TD-156  Theatrical Costuming – Michael Smith  
Change units from 2.00 to 3.00. Change lecture hours from 18.00 to 36.00. Change total hours from 72.00 to 90.00. Add advisory: TD-155A. Revise counselor information; student learning outcomes; course content; course assignments; methods of evaluation; methods of instruction; textbooks.

NEW COURSES: (Action)  
ART-140/ Digital Video for the Web and DVD – Isabel Reichert  
Cross-referenced course: MM-110  
54.00 hours lecture, 54.00 hours lab  
Units: 4.00  
Accepted for Credit: CSU  
This course is a hands-on introduction to digital video to develop narrative and media production skills. The course will combine hands-on demonstrations, technical workshops, readings, discussion, and critiques using high resolution DSLRs. Topics include preproduction, creating stories and documentaries, camera shots, composition, editing (iMovie and Final Cut), transitions, video file formats, compression, special effects, and producing video for YouTube, Web sites, and DVD. (GR)

CNET-107  IT Service Management (ITIL) – Richard Grotegut  
54.00 hours lecture  
Units: 3.00  
Accepted for Credit: CSU  
The course is designed to introduce IT service systems in a variety of enterprise and service industry settings. The IT history and basic IT service methods will be reviewed. Students will learn about the key principles and concepts of IT Service Management and the basic concepts and definitions related to the Service Lifecycle. Students will gain knowledge of the ITIL terminology, structure, and basic concepts and the core principles of ITIL (formerly known as Information Technology Infrastructure Library) practices for IT Service Management. (GC)

CNET-151  Systems and Network Administration – Richard Grotegut  
36.00 hours lecture, 54.00 hours lab  
Units: 3.00  
Accepted for Credit: CSU  
This course will provide a student with the knowledge and skills required to build, maintain, troubleshoot, and support server hardware and software technologies. The student will be able to identify environmental issues; understand and comply with disaster recovery and physical/software security procedures; become familiar with industry terminology and concepts; and understand server roles/specializations and interaction within the overall computing environment. (GC)

MUS-106  American Roots Music: 1700-1950 – Tim Roberts  
54.00 hours lecture  
Units: 3.00  
Accepted for Credit: CSU  
Where does American popular music originate? This course covers a study of the international musical and cultural influences over the past two centuries that gave rise to the uniquely "American" styles that are now part of the world's popular music fabric. Musical research and analysis will be featured alongside the study of pertinent historical/sociological events and influences. (GR)
MUS-169D  Applied Theory for Bass and Guitar – Walt Birkedahl
54.00 hours lecture
Units:  3.00
Accepted for Credit:  CSU
This course applies fundamental music theory--scales, intervals, chords, keys, rhythmic figures, and ear training--to bass and guitar in a lecture/workshop setting. (GR)

PD-141  College Orientation for Student Athletes – Yvonka Headley
9.00 hours lecture
Units:  0.5
Accepted for Credit:  CSU
This course is designed for new student athletes as an orientation to Ohlone College. This course will cover specific topics designed to help student athletes transition to college and intercollegiate athletics. Students will become familiar with college resources, academic planning, time management, transfer and eligibility guidelines, and study skills. (CR)

DEGREES/CERTIFICATES: (Action)
Deactivated Degrees and Certificates:
  Physical Therapist Aide:  Certificate of Accomplishment

Revised Degrees and Certificates:
  Fitness Instructor:  Certificate of Accomplishment
  Geographic Information System (GIS):  Certificate of Accomplishment
  IT Service and Support Technician:  Certificate of Accomplishment
  Administration of Justice:  Associate in Arts
  IT Service and Support:  Associate in Science and Certificate of Achievement
  Registered Nurse:  Associate in Science
  Theatre Arts:  Associate in Arts for Transfer

New Degrees and Certificates:
  Cybersecurity:  Certificate of Accomplishment
  Oracle Database Operations:  Certificate of Accomplishment
  Virtualization and Storage Administration:  Certificate of Accomplishment
  Database Administration:  Associate in Science and Certificate of Achievement
  Information Technology:  Associate in Science and Certificate of Achievement
  System Administration:  Associate in Science and Certificate of Achievement

Deactivated Certificates and Degrees:
  Physical Therapist Aide:  Certificate of Accomplishment – Sheryl Einfalt

The Physical Therapist Aide Certificate of Accomplishment is being deactivated because the program is being revised, and contains too many units for a Certificate of Accomplishment.

Revised Degrees and Certificates:
Certificate of Accomplishment: Fitness Instructor
The Fitness Instructor Certificate of Accomplishment provides the instruction, skills, knowledge, and experience that facilitate employment in a job setting such as sports and fitness centers. The certificate provides an excellent foundation for students interested in a career in exercise science, athletic training, and other fitness/health related careers.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific course, usually career or job related. Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment students must:

a. Complete satisfactorily the courses listed for the particular certificate.

b. Complete at least 50% of the required units at Ohlone College.

c. Maintain a 2.0 grade point average.
**Student Learning Outcomes**
1. Build an exercise program to fit the needs of a specific population of people.
2. Administer multiple assessment techniques to gather baseline data with respect to cardiovascular fitness, muscular fitness, muscular endurance, flexibility and body composition.

**MAJOR FIELD**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLTH-101</td>
<td>Contemporary Health Issues</td>
<td>3</td>
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<tr>
<td>KIN-251</td>
<td>Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>KIN-257</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>4</td>
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<tr>
<td>KIN-258</td>
<td>Exercise Prescription</td>
<td>3</td>
</tr>
<tr>
<td>KIN-382</td>
<td>Clinical Experiences in Athletic Training II</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units = 15

- Remove KIN-256
- Change total required units from 14-15 to 15 units

**Certificate of Accomplishment: Geographic Information Systems (GIS)**

GIS is a computer-based database management system for capture, storage, retrieval, analysis, and display of spatial data. Students who complete this program will be better prepared to map data for decision-making in business, environmental protection, risk assessment, utility planning and management, emergency response, land use planning, transportation planning, delivery route planning, real estate, and crime prevention.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific course, usually career or job related. Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment students must:

a. Complete satisfactorily the courses listed for the particular certificate.
b. Complete at least 50% of the required units at Ohlone College.
c. Maintain a 2.0 grade point average.

**Student Learning Outcomes**
1. Distinguish the characteristics and key principles of geography, specifically the subdivision of cartography.
2. Develop an understanding of uses, organization and analysis of geographical data.
3. Select appropriate techniques and technology to analyze geographic problems.
4. Demonstrate technical skills in data management including data input, editing, query, analysis and display.
5. Produce and arrange a GIS project using GIS technical skills.

**MAJOR FIELD**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<td>GEOG-121</td>
<td>Introduction to Geographic Information Systems (GIS)</td>
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<tr>
<td>GEOG-122</td>
<td>Environmental GIS</td>
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<td>GEOG-123</td>
<td>Geographic Information Systems (GIS) Projects</td>
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<td>ANTH-102</td>
<td>Cultural Anthropology OR</td>
<td>3</td>
</tr>
<tr>
<td>ANTH-103</td>
<td>Introduction to Archaeology OR</td>
<td>3</td>
</tr>
<tr>
<td>CS-101</td>
<td>Introduction to Computers and Information Technology OR</td>
<td>3</td>
</tr>
<tr>
<td>ENVS-101</td>
<td>Natural Resource Management OR</td>
<td>3</td>
</tr>
<tr>
<td>ENVS-107</td>
<td>Food, Culture, and The Environment OR</td>
<td>3</td>
</tr>
<tr>
<td>ENVS-108</td>
<td>Introduction to the Environment OR</td>
<td>3</td>
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<tr>
<td>GEOG-101</td>
<td>Physical Geography OR</td>
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<tr>
<td>GEOG-102</td>
<td>Cultural Geography OR</td>
<td>3</td>
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<tr>
<td>GEOG-105</td>
<td>California Geography OR</td>
<td>3</td>
</tr>
<tr>
<td>GEOL-101</td>
<td>Introduction to Geology OR</td>
<td>4</td>
</tr>
<tr>
<td>RE-121</td>
<td>Real Estate Principles</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units = 8-9

- Remove AJ-115
Certificate of Accomplishment: IT Service and Support Technician – Richard Grotegut

This certificate will assist students in offering frontline or helpdesk support to end-users; assist computer users in getting the most from their computer products; and lead users through various procedures, helping them to fix problems. This support is conducted over the telephone, one-on-one, or in a small group training session.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific purpose, usually career or job related. Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment, students must:

a. Complete satisfactorily the courses listed for the particular certificate.
b. Complete at least 50% of the required units at Ohlone College.
c. Maintain a 2.0 grade point average.

Student Learning Outcomes

1. Install a Windows operating system.
2. Configure and troubleshoot; access to resources, hardware devices and drivers, the desktop and user computing environments, and network protocols and services.
3. Demonstrate appreciation of the IT Service and Support career field and the need to be lifelong learners

MAJOR FIELD

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>CNET-105</td>
<td>IT Essentials (CompTIA A+)</td>
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<tr>
<td>CNET-151</td>
<td>Systems and Network Administration</td>
<td>3</td>
</tr>
<tr>
<td>CNET-154</td>
<td>Network Technician Training (Network+) OR</td>
<td>3</td>
</tr>
<tr>
<td>CNET-155A</td>
<td>Introduction to Networks (CCNA1)</td>
<td>3</td>
</tr>
<tr>
<td>CNET-160A</td>
<td>MS Client Operating Systems</td>
<td>2</td>
</tr>
<tr>
<td>CNET-160B</td>
<td>Microsoft Desktop Support Technician</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units = 14

- Change title from Desktop Support Technician.
- Revise student learning outcomes.
- Remove CNET-124A and CNET-124B.
- Add CNET-151.
- Change total units from 16 to 14 units.

Associate in Arts: Administration of Justice

This curriculum is designed to prepare students for employment in entry-level and advanced positions in the public and private sectors. The program prepares students for positions such as police officer, deputy sheriff, state or federal patrol and investigative officer, correctional aide, security specialist, community service officer, police cadet, and reserve officer, as well as manager and supervisor in these individual fields. Placement may depend on job availability and the successful completion of an entrance examination.

Requirements for AA Degree:

a. Complete Major Field courses and Major Field Electives with a grade of C or better.
b. Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes

1. Examine historical and current events in criminal psychology such as analyzing psychological and sociological theories of killers/offenders and their victims.
2. Examine the role of police within the United States.
3. Apply appropriate investigative and forensic techniques to analyze crime scenes, collect and preserve evidence for laboratory analysis, and maintain and preserve chain of evidence to prepare for testimony and to provide prosecution with evidence to convict.
4. Examine the workings of the criminal justice system by applying key definitions, concepts and principles to law enforcement, courts, and correctional settings.

### Major Field

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>AJ-101</td>
<td>Administration of Justice</td>
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<tr>
<td>AJ-102</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ-104</td>
<td>Criminal Evidence</td>
<td>3</td>
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<tr>
<td>AJ-106</td>
<td>Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ-117</td>
<td>Police and Society</td>
<td>3</td>
</tr>
<tr>
<td>AJ-118</td>
<td>Criminology</td>
<td>3</td>
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</tbody>
</table>

Total Units = 18

### Major Field Electives

It is recommended that students select courses from among the Major Field Electives in order to broaden their preparation or to direct their program toward such specializations as law enforcement, corrections, investigations, or security.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>AJ-107</td>
<td>Criminal Investigation</td>
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<tr>
<td>AJ-119</td>
<td>Murder in America</td>
<td>3</td>
</tr>
<tr>
<td>AJ-121</td>
<td>Constitutional Law and the United States</td>
<td>3</td>
</tr>
<tr>
<td>AJ-123</td>
<td>Terrorism</td>
<td>3</td>
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<tr>
<td>AJ-131</td>
<td>Administration of Juvenile Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ-135</td>
<td>Drug Enforcement</td>
<td>2</td>
</tr>
<tr>
<td>BA-139</td>
<td>Psychology in the Workplace OR</td>
<td>3</td>
</tr>
<tr>
<td>PSY-139</td>
<td>Psychology in the Workplace</td>
<td>3</td>
</tr>
<tr>
<td>PSY-101</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC-102</td>
<td>Social Problems of a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC-105</td>
<td>Marriage and Family</td>
<td>3</td>
</tr>
<tr>
<td>WEX-195A1</td>
<td>Occupational Work Experience Education</td>
<td>1</td>
</tr>
<tr>
<td>WEX-195A2</td>
<td>Occupational Work Experience Education</td>
<td>2</td>
</tr>
<tr>
<td>WEX-195A3</td>
<td>Occupational Work Experience Education</td>
<td>3</td>
</tr>
<tr>
<td>WEX-195A4</td>
<td>Occupational Work Experience Education</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units = 12

Total Units = 30

- Add AJ-121 to Major Field Electives.
- Change total units from 8-16 to 12 units on Major Field Electives.
- Change total required units from 34 to 30 units.

---

**Certificate of Achievement: IT Service and Support – Richard Grotegut**

IT Service and Support technicians provide a single point of contact for end users to receive support and maintenance within the organization's desktop computing environment. This includes installing, diagnosing, repairing, maintaining, and upgrading all PC hardware and equipment to ensure optimal workstation performance. The technician will also troubleshoot problem areas (in person, by telephone, or via email) in a timely and accurate fashion, and provide end-user assistance where required.

a. Complete Major Field and Supporting Courses as indicated below.
b. Complete at least six units at Ohlone College.
c. Maintain a 2.0 grade point average in Major Field courses.

**Associate in Science: IT Service and Support**

IT Service and Support technicians provide a single point of contact for end users to receive support and maintenance within the organization's desktop computing environment. This includes installing, diagnosing, repairing, maintaining, and upgrading all PC hardware and equipment to ensure optimal workstation performance. The technician will also troubleshoot problem areas (in person, by telephone, or via email) in a timely and accurate fashion, and provide end-user assistance where required.
a. Complete Major Field, Supporting Courses, and Internship with a grade of C or better.
b. Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C). These requirements are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes
1. Demonstrate confidence to work independently to setup, configure, and maintain: a desktop computer (client or server); stand-alone application; and/or computer system.
2. Demonstrate techniques to troubleshoot situations that impact the operation of a desktop computer (client or server); stand-alone application; and/or computer system.
3. Demonstrate appreciation of the ICT career field and the need to be lifelong learners.

Major Field
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-105</td>
<td>IT Essentials (CompTIA A+)</td>
<td>4</td>
</tr>
<tr>
<td>CNET-107</td>
<td>IT Service Management (ITIL)</td>
<td>3</td>
</tr>
<tr>
<td>CNET-151</td>
<td>Systems and Network Administration</td>
<td>3</td>
</tr>
<tr>
<td>CNET-160A</td>
<td>MS Client Operating Systems</td>
<td>2</td>
</tr>
<tr>
<td>CNET-160B</td>
<td>Microsoft Desktop Support Technician</td>
<td>2</td>
</tr>
<tr>
<td>CNET-154</td>
<td>Network Technician Training (Network+) OR</td>
<td>3</td>
</tr>
<tr>
<td>CNET-155A</td>
<td>Introduction to Networks (CCNA1)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-156</td>
<td>Introduction to Report &amp; Technical Writing OR</td>
<td>3</td>
</tr>
<tr>
<td>SPCH-115</td>
<td>Career Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Supporting Courses
Complete 3-4 units from the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-108</td>
<td>IT Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CNET-155B</td>
<td>Routing and Switching Essentials (CCNA2)</td>
<td>3</td>
</tr>
<tr>
<td>CNET-170</td>
<td>Network Security (Security+)</td>
<td>4</td>
</tr>
<tr>
<td>CS-101</td>
<td>Introduction to Computers and Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>CS-102</td>
<td>Introduction to Computer Programming Using C++</td>
<td>3</td>
</tr>
<tr>
<td>CS-104A</td>
<td>Introduction to .NET Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS-145</td>
<td>PHP Programming with MySQL</td>
<td>4</td>
</tr>
<tr>
<td>CS-152</td>
<td>Data Communications</td>
<td>2</td>
</tr>
<tr>
<td>CS-157</td>
<td>TCP/IP and Internetworking</td>
<td>3</td>
</tr>
</tbody>
</table>

Internship
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEX-195A1</td>
<td>Occupational Work Experience Education</td>
<td>1</td>
</tr>
<tr>
<td>WEX-195A2</td>
<td>Occupational Work Experience Education</td>
<td>2</td>
</tr>
<tr>
<td>WEX-195A3</td>
<td>Occupational Work Experience Education</td>
<td>3</td>
</tr>
<tr>
<td>WEX-195A4</td>
<td>Occupational Work Experience Education</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units = 20

Total Units = 3-4

Total Units = 4

Total Units = 24-25

- Change title from Desktop Support.
- Change catalog description.
- Remove CNET-124A and CNET-124B from Major Field.
- Add CNET-107, CNET-151, and CNET-154 to Major Field.
- Change unit total for Major Field from 19 to 20 units.
- Add CNET-155B, CNET-170, and CS-145 to Supporting Courses.
- Change total units for Supporting Courses from 9-11 to 3-4 units.
- Change total required units from 29-34 to 24-25 units.

Associate in Science: Registered Nurse – Kim Stiles
The nursing program is an associate degree program that can be completed in four semesters and one summer session after admission to the major. The graduates of an associate degree program in nursing are prepared to practice as staff nurses in direct patient care in hospitals and long-term care facilities,
clinics, and other agencies where nursing roles and services are structured and well developed. Most classes are held on the Newark campus. Clinical, hospital, and community experiences are provided at a number of sites in Alameda, Santa Clara, and other local counties. During the first year, nursing students take basic nursing and support courses to the major. The development of critical thinking, professional oral and written communications, and ethical practice form the foundation for success in future nursing courses. Beginning in the latter part of the first year and continuing through the second year, nursing courses are more specifically concerned with the care of patients ranging in age from infants to the elderly, with various conditions affecting their health. With expert faculty guidance, nursing students learn to function in the clinical setting as they care for patients with a wide variety of health illness problems.

There is no Certificate of Achievement offered in this major. The program prepares the associate degree graduate to take the NCLEX-RN (licensing exam), leading to practice as a Registered Nurse (R.N.).

The program is based on a selective admission process and involves a special application due in April for admission the following Fall Semester (August) and October for Spring Semester (January). Anatomy, Physiology, Microbiology, English, Intermediate Algebra or higher, Nutrition, Developmental Psychology and Speech must be completed at the time of application in order to be eligible for the Registered Nursing program.

For more information on advanced placement, LVN RN, and the 30 unit option, see Health Sciences Web pages. The program is accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326; 404-975-5000; http://www.acenursing.org) and the California Board of Registered Nurses (1747 N. Market Blvd. Suite 150, Sacramento, California 95834; 916-322-3350; http://www.rn.ca.gov).

Requirements for AS Degree:
   a. Complete Major Field and Admission Requirements with a grade of C or better.
   b. Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
   c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
   d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes
1. Qualify for state licensure as a registered nurse by achieving a passing score on the NCLEX-RN.
2. Morally commit to ethical, caring practice in complex health situations with appreciation for diverse perspectives and a holistic view.
3. Synthesize holistic nursing process with multiple ways of knowing, including critical thinking and intuition, to effectively care for self and others.
4. Integrate intentional, respectful communication with caring presence to effectively relate with individuals, families, groups, communities, and colleagues of diverse sociocultural backgrounds in various health care settings.
5. Partner with individuals, families, and communities through teaching/coaching/learning activities to explore patterns and promote positive health changes for humans and their environment.
6. Coordinate and manage seamless nursing care and resources for individuals, families and/or communities as a collaborative interprofessional leader and team member.
7. Value a commitment to self-care and reflective practice.
8. Internalize lifelong learning using multiple forms of evidence to improve professional caring practice, clinical competence, patient healing, and the profession of nursing.
9. Internalize principles of holistic nursing practice to promote healing and wellness in all life experiences and stages of human development, including the dying process.

MAJOR FIELD
NUR-301 Foundations of Nursing 5.5
NUR-302 Nursing Care of the Medical-Surgical Patient I 5.5
NUR-303 Nursing Care of Women and Children 8
NUR-304 Nursing Care of the Medical-Surgical Patient II 5
NUR-305 Nursing Care of the Medical-Surgical Client III 5
NUR-306 Nursing Care of the Mental Health Client and Advanced Gerontologic Care 5
NUR-307 Nursing Leadership and Preceptorship 5

Total Units = 39
ADMISSION REQUIREMENTS
All courses must be completed at the time the student applies to the nursing program.

- BIOL-103A Human Anatomy & Physiology 4
- BIOL-103B Human Anatomy & Physiology 4
- BIOL-106 Microbiology 5
- CFS-109 Nutrition 3
- ENGL-101A Reading and Written Composition 4
- MATH-152 Algebra II OR 5
- MATH-153 Intermediate Algebra OR 3
- MATH-155 Math for the Associate Degree 3
- PSY-108 Human Development 3
- SPCH-101 Introduction to Public Speaking OR 3
- SPCH-103 Interpersonal Communication 3

Total Units = 29-31

- Change catalog description.
- Revise student learning outcomes.
- Change Supporting courses to Admission Requirements.
- Add ENGL-101A, MATH-152 or MATH-153 or MATH-155 to Admission Requirements
- Change Admission Requirements units from 22 to 29-31 units.
- Change total required units from 61 to 68-71.

Total Units = 68-71

Associate in Arts in Theatre Arts for Transfer – Janel Tomblin-Brown and Michael Smith
The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer,” a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts in Theatre for Transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete 60 required semester units of coursework with a minimum GPA of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements.

This degree provides a foundation in theater arts for students interested in pursuing a baccalaureate degree in Theatre, with an acting or technical emphasis, or pursuing a career in the entertainment industry, with a foundation of knowledge and experience in theatrical performance, design/technology, and/or management.

A variety of productions are offered to provide students with a broad range of practical, hands-on, experience and training. Students will be introduced to theatrical history, scenic, costume, lighting, sound, make-up design, acting, directing, and management through coursework and production opportunities.

A balanced, well-rounded theatrical foundation helps students develop confidence and enables them to move from competence to excellence in whatever profession they choose. A theatrical education provides students with experience in collaborative learning, problem solving, and critical thinking, which is a valuable base from which to launch a career in film, television, stage, management, marketing, advertising, law, politics, theology, social work, or in therapeutic fields.

- Complete all Major Field courses with a grade of C or better.
- Complete CSU GE (Plan B) or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
- Complete a minimum of 60 CSU-transferable units.
- Complete a minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
  While a minimum GPA of 2.0 is required for admission, some majors may require a higher GPA.
  Please consult with a counselor for more information.
- Complete a minimum of 19 units in the Theatre Arts major.
- Complete at least 12 units at Ohlone College.
Student Learning Outcomes
1. Demonstrate a basic understanding of how to creatively express and interpret ideas in terms of design and operation of scenery, lighting, and sound as it relates to the entertainment industries of stage, television, and live and recorded events with a working knowledge of their chosen concentration.
2. Demonstrate an understanding of the culture of collaboration between directors, actors, and designers in a hands-on environment to interpret a theatrical written work.
3. Identify and dramatize use of the voice and body as a major source of communication of characterization, psychological need and environmental realities to formulate a personal realistic approach to a character with definable given circumstances.

Major Field
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TD-102</td>
<td>Introduction to Theatre Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>TD-110</td>
<td>Introduction to Acting</td>
<td>4</td>
</tr>
<tr>
<td>TD-120A3</td>
<td>Student Repertory Theatre OR</td>
<td>3</td>
</tr>
<tr>
<td>TD-120B4</td>
<td>Student Repertory Theatre OR</td>
<td>4</td>
</tr>
<tr>
<td>TD-163</td>
<td>Stagecraft Lab (Theatre, Television, Dance) OR</td>
<td>3</td>
</tr>
<tr>
<td>TD-164</td>
<td>Stagecraft Lab (Theatre, Television, Dance)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units = 10-11

Complete three courses from the following:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TD-111</td>
<td>Intermediate Acting - Scene Study</td>
<td>4</td>
</tr>
<tr>
<td>TD-124</td>
<td>Rehearsal and Performance</td>
<td>4</td>
</tr>
<tr>
<td>TD-150</td>
<td>Technical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TD-152</td>
<td>Introduction to Stage Lighting and Sound</td>
<td>3</td>
</tr>
<tr>
<td>TD-156</td>
<td>Theatrical Costuming</td>
<td>3</td>
</tr>
<tr>
<td>TD-170</td>
<td>Survey of Entertainment Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units = 9-11

Total Units = 19-22

- Change catalog description.
- Remove TD-109 from Major Field.
- Remove TD-155A from Supporting Courses.
- Add TD-156 to Supporting Courses.

New Degrees and Certificates:

Certificate of Accomplishment: Cybersecurity – Richard Grotegut
The purpose of this certificate is to provide students with an overall view of computer and networked security. The goal of this program is to train students to be able to effectively design, implement, and support security policies for small, medium, and large scale enterprise networks. Students are exposed to a wide variety of security analysis/defensive tools, students implement these tools, and then attempt to circumvent them. Upon completion of coursework, students will have the foundation needed to pursue CompTIA's Security+ certification.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific purpose, usually career or job related.

Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment, students must:

a. Complete satisfactorily the courses listed for the particular certificate.
b. Complete at least 50% of the required units at Ohlone College.
c. Maintain a 2.0 grade point average.
Student Learning Outcomes
1. Identify and assess security risks and potential threats to computing and networking resources.
2. Develop effective countermeasures aimed at protecting data and computer assets.

Required Courses
- CNET-170 Network Security (Security+) 4
- CNET-172 CCNA Security 2
- CNET-173 Ethical Hacking 3
- CNET-174 Computer Forensics 3

Total Units = 12

Certificate of Accomplishment: Oracle Database Operations – Richard Grotegut
The Certificate of Accomplishment in Oracle Database Operations provides training for students seeking professional positions in designing, creating, and maintaining databases; also creating application code that can be shared by multiple forms, reports, and data management tools. Courses in the program also help prepare students wanting to pursue Oracle Application Developer Certified Associate and Oracle Database Administrator Certified Associate industry-certified examinations (Oracle Corporation OCA certifications).

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific purpose, usually career or job related.

Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment, students must:

a. Complete satisfactorily the courses listed for the particular certificate.
b. Complete at least 50% of the required units at Ohlone College.
c. Maintain a 2.0 grade point average.

Student Learning Outcomes
1. Retrieve, display, and manipulate data from tables and other database objects using SQL.
2. Create and manage database users, privileges, and resources in an Oracle database.
3. Configure, administer, monitor, and maintain an Oracle database.
4. Create and manage stored PL/SQL procedures, functions, packages, and triggers in an Oracle development environment.
5. Develop comprehensive data model to represent business information requirements.
6. Create appropriate relational database design from data model.

Required Courses
- CNET-135 Oracle Database Administration 2
- CNET-136 Oracle Database Backup and Recovery 2
- CNET-137 Introduction to SQL 4
- CNET-138 PL/SQL Programming 4

Total Units = 12

Certificate of Accomplishment: Virtualization and Storage Administration – Richard Grotegut
Upon completion of this program students will develop knowledge and skills necessary to support dynamic IT infrastructures and utilize virtualization technologies to optimize efficiency, resiliency, and control over complex network environments. Students will learn about the technologies required to build classic, virtualized, and cloud data center environments. They will also gain practical experience with Microsoft Server 2012, VMware vSphere, and Microsoft Hyper-V technology; enhance skills with emerging information storage and management solutions; and prepare for VMware, Microsoft, and EMC certification exams.

Certificates of Accomplishment are awarded upon the completion of an organized course of study for a specific purpose, usually career or job related. Certificates of Accomplishment consist of a maximum of 17.5 units and allow students to finish the program in a shorter period of time. In order to earn a Certificate of Accomplishment, students must:
a. Complete satisfactorily the courses listed for the particular certificate.
b. Complete at least 50% of the required units at Ohlone College.
c. Maintain a 2.0 grade point average.

**Student Learning Outcomes**

1. Install, operate, maintain, secure, and troubleshoot basic virtualization and storage hardware and software services.
2. Configure, deploy, and manage virtual machines.
3. Produce clear written documentation, following industry best-practices, on work performed.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-120</td>
<td>VMware: Install, Configure, Manage</td>
<td>2</td>
</tr>
<tr>
<td>CNET-122A</td>
<td>Information Storage and Management - EMC</td>
<td>2</td>
</tr>
<tr>
<td>CNET-122B</td>
<td>Cloud Infrastructure and Services</td>
<td>2</td>
</tr>
<tr>
<td>CNET-155A</td>
<td>Introduction to Networks (CCNA1)</td>
<td>3</td>
</tr>
<tr>
<td>CNET-162</td>
<td>Windows Server Installation and Configuration Administration</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units = 11

---

**Certificate of Achievement: Database Administration – Richard Grotegut**

The associate degree and the Certificate of Achievement in Database Administration prepare students to either enter the workforce as an entry-level information and communication technologies (ICT) professional or pursue a baccalaureate degree in computer science. Graduates of the associate degree in Database Administration are prepared and eligible to sit for Microsoft and/or Oracle certification exams. Topics addressed include database administration, Structured Query Language (SQL), programming practices, desktop databases, and information systems management. Database design, installation, programming, security, recovery, and backup are also addressed.

Generally, no courses beyond a high school diploma are needed to be admitted into these programs. However, most courses recommend a background in computer science, information systems, and information and communication technologies.

Most graduates who enter the workforce work as database administrators or database associates. Other possible careers open to graduates of an associate degree in database administration include database program designer, database programmer (application developer), and database analyst.

As the use of technology expands throughout the economy, available positions in database administration are expected to grow 37% by 2016, according to the Bureau of Labor Statistics (www.bls.gov).

a. Complete Major Field courses and either Oracle or Microsoft Database Administrator focus.
b. Complete at least six units at Ohlone College.
c. Maintain a 2.0 grade point average in Major Field and Focus courses.

**Associate in Science: Database Administration**

The associate degree and the Certificate of Achievement in Database Administration prepare students to either enter the workforce as an entry-level information and communication technologies (ICT) professional or pursue a baccalaureate degree in computer science. Graduates of the associate degree in Database Administration are prepared and eligible to sit for Microsoft and/or Oracle certification exams. Topics addressed include database administration, Structured Query Language (SQL), programming practices, desktop databases, and information systems management. Database design, installation, programming, security, recovery, and backup are also addressed.

Generally, no courses beyond a high school diploma are needed to be admitted into these programs. However, most courses recommend a background in computer science, information systems, and information and communication technologies.

Most graduates who enter the workforce work as database administrators or database associates. Other possible careers open to graduates of an associate degree in database administration include database program designer, database programmer (application developer), and database analyst.
As the use of technology expands throughout the economy, available positions in database administration are expected to grow 37% by 2016, according to the Bureau of Labor Statistics (www.bls.gov).

a. Complete Major Field courses; either Oracle or Microsoft Database Administrator focus; and Supporting Courses with a grade of C or better.
b. Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes
1. Support the data management needs of business through the design, implementation and maintenance of relational databases.
2. Demonstrate appreciation of the ICT career field and the need to be lifelong learners.

Major Field

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-135</td>
<td>Oracle Database Administration</td>
<td>2</td>
</tr>
<tr>
<td>CNET-136</td>
<td>Oracle Database Backup and Recovery</td>
<td>2</td>
</tr>
<tr>
<td>CNET-137</td>
<td>Introduction to SQL</td>
<td>4</td>
</tr>
<tr>
<td>CNET-155A</td>
<td>Introduction to Networks (CCNA1)</td>
<td>3</td>
</tr>
<tr>
<td>CNET-168A</td>
<td>Querying Microsoft SQL Server</td>
<td>2</td>
</tr>
<tr>
<td>CNET-168B</td>
<td>Administering Microsoft SQL Server</td>
<td>2</td>
</tr>
<tr>
<td>ENGL-156</td>
<td>Introduction to Report &amp; Technical Writing OR</td>
<td>3</td>
</tr>
<tr>
<td>SPCH-115</td>
<td>Career Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units = 18

Database Administrator Focus
Complete either the Oracle Database Administrator Focus or the Microsoft Database Administrator Focus.

Oracle Database Administrator Focus

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-138</td>
<td>PL/SQL Programming</td>
<td>4</td>
</tr>
<tr>
<td>CNET-140</td>
<td>Linux System Administration I (LPI-1)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units = 8

OR

Microsoft Database Administrator Focus

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-162</td>
<td>Windows Server Installation and Configuration Administration</td>
<td>2</td>
</tr>
<tr>
<td>CNET-164</td>
<td>Windows Server Administration</td>
<td>2</td>
</tr>
<tr>
<td>CNET-166</td>
<td>Windows Server - Advanced Services</td>
<td>2</td>
</tr>
<tr>
<td>CNET-168C</td>
<td>Implementing a Data Warehouse with Microsoft SQL Server</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units = 8

Supporting Courses
Complete 1-4 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEX-195A1</td>
<td>Occupational Work Experience Education OR</td>
<td>1</td>
</tr>
<tr>
<td>WEX-195A2</td>
<td>Occupational Work Experience Education OR</td>
<td>2</td>
</tr>
<tr>
<td>WEX-195A3</td>
<td>Occupational Work Experience Education</td>
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</tr>
<tr>
<td>WEX-195A4</td>
<td>Occupational Work Experience Education</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units = 5-8

Complete 4 units from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-105 IT</td>
<td>Essentials (CompTIA A+)</td>
<td>4</td>
</tr>
<tr>
<td>CNET-108 IT</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CNET-120</td>
<td>VMware: Install, Configure, Manage</td>
<td>2</td>
</tr>
<tr>
<td>CNET-122A</td>
<td>Information Storage and Management - EMC</td>
<td>2</td>
</tr>
<tr>
<td>CNET-122B</td>
<td>Cloud Infrastructure and Services</td>
<td>2</td>
</tr>
<tr>
<td>CNET-170</td>
<td>Network Security (Security+)</td>
<td>4</td>
</tr>
<tr>
<td>CS-102</td>
<td>Introduction to Computer Programming Using C++</td>
<td>3</td>
</tr>
<tr>
<td>CS-104A</td>
<td>Introduction to .NET Programming</td>
<td>4</td>
</tr>
<tr>
<td>CS-145</td>
<td>PHP Programming with MySQL</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units = 31-34
Certificate of Achievement: Information Technology – Richard Grotegut
The associate degree and the Certificate of Achievement in Information Technology prepare students to either enter the workforce as an entry-level computer or network support technician or pursue a baccalaureate degree in managing information systems.

Computer support technicians provide technical assistance to computer users. They answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. They perform network maintenance to ensure networks operate correctly with minimal interruption.

Graduates with the associate degree in Information Technology are prepared and eligible to sit for CompTIA's A+ and Network+ certification exams. Optional elective courses prep students for CompTIA's Server+ and Security+ exams.

a. Complete Major Field and Elective courses.
b. Complete at least six units at Ohlone College.
c. Maintain a 2.0 grade point average in Major Field and Elective courses.

Associate in Science: Information Technology
The associate degree and the Certificate of Achievement in Information Technology prepare students to either enter the workforce as an entry-level computer or network support technician or pursue a baccalaureate degree in managing information systems.

Computer support technicians provide technical assistance to computer users. They answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. They perform network maintenance to ensure networks operate correctly with minimal interruption.

Graduates with the associate degree in Information Technology are prepared and eligible to sit for CompTIA's A+ and Network+ certification exams. Optional elective courses prep students for CompTIA's Server+ and Security+ exams.

a. Complete Major Field, Elective Courses, and Supporting Course with a grade of C or better.
b. Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes
1. Apply fundamental knowledge of computing and the current use of technology techniques, skills, and tools necessary for the computing practice.
2. Demonstrate the ability to locate, critically evaluate and solve business problems with technology solutions using qualitative and quantitative information.
3. Demonstrate a fundamental ability to identify and analyze user needs in the selection, creation, evaluation and administration of computer-based systems.
4. Provide information technology technical assistance to computer and network users.
5. Demonstrate appreciation of the IT career field and the need to be lifelong learners.

MAJOR FIELD

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNET-105</td>
<td>IT Essentials (CompTIA A+)</td>
<td>4</td>
</tr>
<tr>
<td>CNET-154</td>
<td>Network Technician Training (Network+) OR</td>
<td>3</td>
</tr>
<tr>
<td>CNET-155A</td>
<td>Introduction to Networks (CCNA1)</td>
<td>3</td>
</tr>
<tr>
<td>CS-101</td>
<td>Introduction to Computers and Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>CS-102</td>
<td>Introduction to Computer Programming Using C++</td>
<td>3</td>
</tr>
</tbody>
</table>
ELECTIVE COURSES
Complete one option below:

IT Management
- BA-116 Business English and Communication 4
- CNET-108 IT Project Management 3

Database
- CNET-135 Oracle Database Administration 2
- CNET-137 Introduction to SQL 4

System Administration and Networking
- CNET-151 Systems and Network Administration 3
- CNET-155B Routing and Switching Essentials (CCNA2) 3

Cybersecurity
- CNET-170 Network Security (Security+) 4
- CNET-173 Ethical Hacking 3
- CNET-174 Computer Forensics 3

Total Units = 13

SUPPORTING COURSE
Complete one course:

- MATH-101A Calculus With Analytic Geometry 5
- MATH-159 Introduction to Statistics 5
- MATH-166 Finite Mathematics 4

Total Units = 6-10

Certificate of Achievement: System Administration – Richard Grotegut
The associate degree and the Certificate of Achievement in System Administration prepare students to either enter the workforce as an entry-level information and communication technologies (ICT) professional or pursue a bachelor's degree in managing information systems. Graduates of the associate degree in System Administration are prepared and eligible to sit for Microsoft and/or Linux certification exams. Competency in Microsoft® and/or Unix/Linux systems administration and network administration is required.

A system administrator, or sysadmin, is a person who is responsible for the upkeep, configuration, and reliable operation of computer systems, especially multi-user computers such as servers. The system administrator seeks to ensure that the uptime, performance, resources, and security of the computers he or she manages meet the needs of the users, without exceeding the budget. To meet these needs a system administrator may acquire, install, or upgrade computer components and software; automate routine tasks; write computer programs; troubleshoot; train and/or supervise staff; and provide technical support.

Generally, no courses beyond standard high school diploma requirements are needed to be admitted into these programs. However, most recommend a background in computer science, information systems, and information and communication technologies.

Most graduates enter the workforce as system administrator or sysadmin. New employment opportunities as Storage (SAN) Administrator require the system administrator to create, provision, add, or remove storage to/from computer systems and work with virtualization. Sysadmins can also work as a database administrator, network administrator, security administrator and/or a web administrator. Tasks include managing multiple sites, administering security, and configuring necessary components and software. Responsibilities may also include software change management.

As the use of technology expands throughout the economy, available positions in system administration are expected to grow. Employment of network and computer systems administrators is expected to grow 28% from 2010 to 2020, according to the Bureau of Labor Statistics (www.bls.gov). Demand for these
workers is high and should continue to grow as firms invest in newer, faster technology and mobile networks.

a. Complete Major Field courses and either Linux System Administrator Focus or Microsoft System Administrator Focus.
b. Complete at least six units at Ohlone College.
c. Maintain a 2.0 grade point average in Major Field courses.

Associate in Science: System Administration
The associate degree and the Certificate of Achievement in System Administration prepare students to either enter the workforce as an entry-level information and communication technologies (ICT) professional or pursue a bachelor's degree in managing information systems. Graduates of the associate degree in System Administration are prepared and eligible to sit for Microsoft and/or Linux certification exams. Competency in Microsoft® and/or Unix/Linux systems administration and network administration is required.

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a. Complete Major Field courses; either Linux System Administrator Focus or Microsoft System Administrator Focus; and Supporting courses with a grade of C or better.
b. Complete Ohlone College General Education (Plan A), CSU GE (Plan B), or IGETC (Plan C) requirements. These requirements are specified in the Ohlone College catalog.
c. Complete at least 60 degree-applicable units with a 2.0 grade point average.
d. Complete at least 12 units at Ohlone College.

Student Learning Outcomes
1. Setup, configure, maintain, and troubleshoot: computer systems; stand-alone application; and/or various computer operating systems (client, server, and network).
2. Demonstrate appreciation of the ICT career field and the need to be lifelong learners.

Major Field
CNET-120 VMware: Install, Configure, Manage 2
CNET-122A Information Storage and Management - EMC 2
CNET-122B Cloud Infrastructure and Services 2
CNET-146 Introduction to UNIX/Linux 3
CNET-155A Introduction to Networks (CCNA1) 3
CNET-162 Windows Server Installation and Configuration Administration 2
CNET-164 Windows Server Administration 2
ENGL-156  Introduction to Report & Technical Writing OR 3
SPCH-115  Career Communication 3
Total Units = 19

System Administrator Focus
Complete either the Linux System Administrator Focus or the Microsoft System Administrator Focus.
Linux System Administrator Focus 8
CNET-140  Linux System Administration I (LPI-1) 4
CNET-141  Linux System Administration II (LPI-2) OR 4
Microsoft System Administrator Focus 8
CNET-166  Windows Server - Advanced Services 2
CNET-167  Microsoft Exchange Server 2
CNET-168A  Querying Microsoft SQL Server 2
CNET-168B  Administering Microsoft SQL Server 2
Total Units = 8

Supporting Courses
Complete 1-4 units from the following: 1-4
WEX-195A1  Occupational Work Experience Education OR 1
WEX-195A2  Occupational Work Experience Education OR 2
WEX-195A3  Occupational Work Experience Education OR 3
WEX-195A4  Occupational Work Experience Education 4

Complete 4 units from the following: 4
CNET-105  IT Essentials (CompTIA A+) 4
CNET-108  IT Project Management 3
CNET-155B  Routing and Switching Essentials (CCNA2) 3
CNET-158  Wireless Networks 4
CNET-160A  MS Client Operating Systems 2
CNET-170  Network Security (Security+) 4
CNET-172  CCNA Security 2
CNET-180  IP Telephony and VoIP Implementations 2
CNET-182  Advanced Routing (CCNP ROUTE) 3
CNET-184  Advanced Switching (CCNP SWITCH) 3
CNET-186  Troubleshooting IP Networks (CCNP TSHOOT) 3
CS-102  Introduction to Computer Programming Using C++ 3
CS-104A  Introduction to .NET Programming 4
CS-104B  Advanced .Net Programming 4
CS-125  Introduction to Programming Using Java 4
CS-145  PHP Programming with MySQL 4
CS-147  UNIX/Linux Shell Scripting 4
CS-149  PERL Programming 4
CS-152  Data Communications 2
CS-157  TCP/IP and Internetworking 3
Total Units = 5-8
Total Units = 32-35

ISSUES: (Action/Information)
ANNOUNCEMENTS:
• Screening: TBD in January 2015
• Next Issues Meeting: Monday February 2, 2015 3:00pm-5:00pm, Fremont campus 7104 and Newark campus NC1317

ADJOURN: