

Honours Actuarial Science for Double Degree Students ONLY

2014-2015 Calendar

| | Course | Year/ Term | Topic | Pre-reqs | Offering | SoA/CAS exams | CIA Accreditation | Comments |
|----|--|---------------|---|---|--------------|------------------|---------------------|---|
| 1 | MTHL 131 | 1 | Intro to Actuarial Practice | | FWS | | | Required for admission |
| 2 | AFM 101/BUS 127W | 1 | Core Concepts of accounting information | | FWS | | | |
| 3 | ACTSC 232 | 2B | Introduction to Actuarial Mathematics | AS231,S230, ENGL 119 or other is achieved with completion of DD | FWS | MLC | MLC - 75% | |
| 4 | ACTSC 331 | 3 | Life Contingencies 1 | ≥60% in AS232 | FWS | MLC | MLC - 75%, 3L - 75% | |
| 5 | ACTSC 431 | 4 | Loss models 1 | S330,S333 | FS | * C | C - 75% | * most exam C material from these courses |
| 6 | ACTSC 432 | 4 | Loss models 2 | S330,S333 | FS | * C | C - 75% | * most exam C material from these courses |
| 7 | ACTSC 446 | 4 | Math models in finance | (AS231,371), (S333 or 334) | FW | MFE | MFE - 75% | |
| 8 | STAT 330 | 3 | Stat theory and methods | M237, ≥60% in S230,S231 | FWS | | | |
| 9 | STAT 333 | 3 | Applied probability | ≥60% in S230, level 3A | FWS | | | |
| 10 | STAT 340 | 3/4 | Simulation | S231, CS Core II | WS | C | | |
| + | 3 Additional 300-400 level ACTSC courses (or BUS 473W or STAT 431/433 or STAT 443); currently available courses include: | | | | | | | |
| | ACTSC 433 | 4 | Survival analysis | AS331,S330 | W | C | C - 75% | |
| | ACTSC 445 | 4 | Quantitative Risk Management | (AS231,371), (S330 and 333 or 334) | FS | FSA(CFE, QRM) | | |
| | ACTSC 453 | 4 | Pensions | AS331 | W(odd years) | FAP/FSA(R) | | |
| | ACTSC 455 | 4 | Advanced Life Insurance Practice | ≥60% in AS331 | W | MLC | MLC - 75% | |
| | ACTSC 462 | 4 | Intro to Property & Casualty Pricing | (AFM 272 or AS 231) | W | CAS - Exam 5 | | |
| | ACTSC 463 | 4 | Intro to Property & Casualty Loss Reserving | (AFM 272 or AS 231), (S331 or 371 or 373) | F | CAS - Exam 6 | | |
| | BUS 473W | 3/4 | Investment Management | BUS 393 | | | | |
| | STAT 443 | 3/4 | Forecasting | S331 | FWS | VEE-AS | | |
| | STAT 433 or STAT 431 | 4 | Stochastic processes or Generalized linear models | S333 S330,(S331 or S371) | F FWS | | | |

Honours Actuarial Science Finance Option for Double Degree Students ONLY

2014-2015 Calendar

| | Course | Year/ Term | Topic | Pre-reqs | Offering | SoA/CAS exams | CIA Accreditation | Comments |
|----|--|---------------|---|---|--------------|------------------|---------------------|---|
| 1 | MTHL 131 | 1 | Intro to Actuarial Practice | | FWS | | | Required for admission |
| 2 | AFM 101/BUS 127W | 1 | Core Concepts of accounting information | | FWS | | | |
| 3 | ACTSC 232 | 2B | Introduction to Actuarial Mathematics | AS231,S230, ENGL 119 or other is achieved with completion of DD | FWS | MLC | MLC - 75% | |
| 4 | ACTSC 331 | 3 | Life Contingencies 1 | ≥60% in AS232 | FWS | MLC | MLC - 75%, 3L - 75% | |
| 5 | ACTSC 431 | 4 | Loss models 1 | S330,S333 | FS | * C | C - 75% | * most exam C material from these courses |
| 6 | ACTSC 445 | 4 | Quantitative Risk Management | (AS231,371), (S330 and 333 or 334) | FS | FSA(CFE, QRM) | | * most exam C material from these courses |
| 7 | ACTSC 446 | 4 | Math models in finance | (AS231,371), (S333 or 334) | FW | MFE | MFE - 75% | |
| 8 | STAT 330 | 3 | Stat theory and methods | M237, ≥60% in S230,S231 | FWS | | | |
| 9 | STAT 333 | 3 | Applied probability | ≥60% in S230, level 3A | FWS | | | |
| 10 | STAT 340 | 3/4 | Simulation | S231, CS Core II | WS | C | | |
| + | 3 Additional 300-400 level ACTSC courses (or BUS 473W or STAT 431/433 or STAT 443); currently available courses include: | | | | | | | |
| | ACTSC 433 | 4 | Survival analysis | AS331,S330 | W | C | C - 75% | |
| | ACTSC 432 | 4 | Loss models 2 | S330,S333 | FS | * C | C - 75% | * most exam C material from these courses |
| | ACTSC 453 | 4 | Pensions | AS331 | W(odd years) | FAP/FSA(R) | | |
| | ACTSC 455 | 4 | Advanced Life Insurance Practice | ≥60% in AS331 | W | MLC | MLC - 75% | |
| | ACTSC 462 | 4 | Intro to Property & Casualty Pricing | (AFM 272 or AS 231) | W | CAS - Exam 5 | | |
| | ACTSC 463 | 4 | Intro to Property & Casualty Loss Reserving | (AFM 272 or AS 231), (S331 or 371 or 373) | F | CAS - Exam 6 | | |
| | BUS 473W | 3/4 | Investment Management | BUS 393 | | | | |
| | STAT 443 | 3/4 | Forecasting | S331 | FWS | VEE-AS | | |
| | STAT 433 or STAT 431 | 4 | Stochastic processes or Generalized linear models | S333 S330,(S331 or S371) | F FWS | | | |