



Supply Chain Management Degree and Certificate Programs:

A Landscape Analysis of African-based Offerings

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Acronyms

MIT Massachusetts Institute of Technology
CTL Center for Transportation and Logistics

SCALE Centers for Supply Chain and Logistics Excellence

PtD People that Deliver

RHSC Reproductive Health Supply Coalition

THE Times Higher Education

ESAMI Eastern and Southern Africa Management Institute

MBA Masters of Business Administration
TELM Transport Economics and Logistics

Bcom Bachelor of Commerce

BComHon Bachelor of Commerce Honors

Btech Bachelor of Technology

PSM Procurement and Supply Management

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About MIT's Center for Transportation and Logistics

For more than four decades, the MIT Center for Transportation & Logistics (MIT CTL) has been a world leader in supply chain management education and research. MIT CTL has made significant contributions to supply chain logistics and has helped numerous companies gain competitive advantage from its cutting-edge research. The MIT Center for Transportation & Logistics is a dynamic solutions-oriented environment where students, faculty, and industry leaders pool their knowledge and experience to advance supply chain education and research. MIT CTL:

- Coordinates more than 100 supply chain research efforts across the MIT campus and around the world
- Educates students and corporate leaders in the essential principles of supply chain management
- Helps organizations increase productivity and decrease their economic and environmental impact

About MIT's Humanitarian Response Lab

The mission of the MIT Humanitarian Response Lab is to help meet human needs by understanding and improving the supply chain systems behind public services and private markets. Based within the MIT Center for Transportation and Logistics, the Lab combines MIT expertise in engineering, management, technology, economics, urban studies & planning and other disciplines to drive practical innovation for humanitarian interventions. The lab has a diverse portfolio of projects to improve response operations during humanitarian crises and to enable development of resilient supply chains for global health and food security.

About the People that Deliver Initiative

People that Deliver is a global partnership whose mission is to build global and national capacity to implement evidence-based approaches to plan, finance, develop, support and retain the national workforces needed for the effective, efficient and sustainable management of health supply chains.

Introduction

Supply chain management is a growing industry where demand for supply chain professionals has outweighed supplyⁱ. Given this demand, academic programs (undergraduate, graduate, post-graduate) as well as professional certifications (e.g. CSCP, CPSCM, CPIM) in supply chain management are growing in number. The Massachusetts Institute of Technology (MIT) in Cambridge, MA, USA, currently hosts the number one-ranked Supply Chain Management Master's Degree program in the United Statesⁱⁱ, and its Center for Transportation and Logisticsⁱⁱⁱ (MIT CTL) has created a network of Centers for Supply Chain and Logistics Excellence (SCALE)^{iv} in six different countries around the world. These centers are a collaboration between country governments and MIT CTL and are a unique model for furthering research, education, and practice in supply chain management. People that Deliver is a global initiative whose mission is to build global and national capacity to implement evidence-based approaches to plan, finance, develop, support and retain the national workforces needed for the effective, efficient and sustainable management of health supply chains.

In an effort to understand the breadth and depth of current academic offerings in supply chain management in Africa, People that Deliver and MIT CTL collaborated to complete a rapid landscape of current educational offerings (degree and certificate programs) in supply chain management, including health supply chain management. This landscape is a more specific and also wider analysis of the current offerings on the LAPTOP platform site^v, a supply chain course search engine developed by John Snow, Inc., and hosted by the Reproductive Health Supplies Coalition.

This landscape analysis will be a useful resource for People that Deliver and affiliated networks, such as the International Association of Public Health Logisticians^{vi} and African Resource Centers funded in part by the Gates Foundation, would benefit from having a ready list of available educational and training activities offered by African-based institutions. Additionally, the landscape will highlight both current strengths and future opportunities for growth in this area of academic training.

Objective

The objective of this landscape analysis is to provide information on the availability of supply chain management educational programs based in Africa and offered by African academic institutions in order to inform strategic decisions on possible establishment or support of supply chain centers of excellence on the continent.

Methodology

The research methodology of this landscape analysis included web-based research around a set of key words (See Box 1). This key word list was developed in collaboration with MIT CTL and PtD. Any degree or certificate program identified in Africa was then compared to a set of inclusion criteria (See Box 2) to determine if the program fit the author-defined criteria. The criteria that the authors developed is what sets this analysis apart from other listings. The study looked specifically at academic degree and certificate programs offered by African-based institutions. Authors sorted the collected data into an Excel® Workbook and provided the following information about each program:

- Country, Academic/Training Institution,
- Type of Institution,
- Title of Program,
- Degree/ Program offered,

- Program Length,
- Location/Modality,
- City, and
- Website.

In addition to open/blanket web research, the authors selected a few websites on which to focus their search initially as some of this data has been previously compiled (i.e. the RHSC's LAPTOP). See Table 1 for data source listing.

Box 1: Key Words List

- Logistics
- Supply Chain
- Supply Chain Management
- Operations Management
- Procurement
- Distribution
- Warehouse/Warehousing
- Health Supply Chain
 - -Short Course
 - -Short Programme
 - -Bachelors Commerce Honors
 - -Bachelors Degree
 - -Masters Degree

Box 2: Inclusion Criteria

- Complete certificates, degrees, or short courses operated out of academic, academically-affiliated training institutions, and training institutes based in Africa
- Courses/certificates must be 5 days or more
- Courses/certificates must focus on Logistics and Supply Chain Management and/or Operations Management; health can be a component but not required in this search.

Table 1: Data Sources

| Source | Notes |
|--|--|
| Times Higher Education (THE) World University Rankings | Data reveal the top 15 universities in Africa (that participated in <i>THE</i> Rankings). From note, also added the University of Johannesburg https://www.timeshighereducation.com/world-university-rankings/best-universities-in-africa-2016 |
| RHSC LAPTOP tool | RHSC has compiled "Logistics and Professional Training Opportunities" database on a variety of SCM training offerings around the world. http://www.rhsupplies.org/activities-resources/tools/laptop/ |
| The African Economist | Data revel the top 10 business schools in Africa http://theafricaneconomist.com/africas-top-10-business-schools/#.V17SY5MrLMU |
| Educations.com | International degree search engine http://www.educations.com/search/supply-chain-management-africa/c692-d24 |
| MasterStudies.com | International degree search engine http://www.masterstudies.com/MSc/Supply-Chain-Management/Africa/ |

| Blanket Google Search | https://www.google.com/search?q=supply+chain+management+ degree+africa&biw=1269&bih=928&ei=TJlpV8vrMISo- |
|------------------------|--|
| | QHq84fYAQ&start=40&sa=N&cad=cbv&bvch=u&sei=2q1uV7KSJY |
| | Ww-QHn5ZKgDQ |
| | A broad search was performed using the key terms list |
| | The search was performed until a saturation point was reached in which no new programs were found in Africa |
| Association of African | Searched member and accredited schools used |
| Business Schools | • http://www.aabschools.com/directory/schools.html |

Results

The analysis found a total of 159 supply chain degree or certificate programs being offered at the time of this study (June-September 2016) by African-based institutions. A majority of programs found (80 of 159) were located in South Africa. A complete breakdown of number of programs by country can be seen in **Figure 1**.

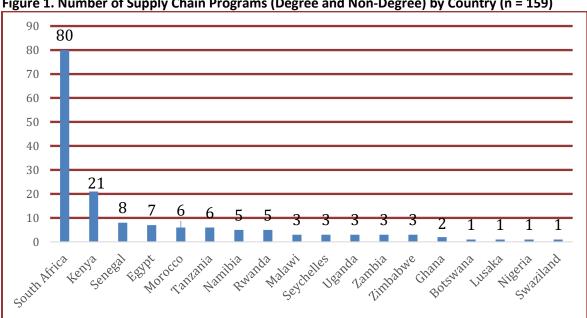


Figure 1. Number of Supply Chain Programs (Degree and Non-Degree) by Country (n = 159)

Of these 159 offerings, 88 were degree programs that included Diploma, Bachelors, Masters, Continuing Education, and Ph.D (Figure 2). Additional detail on location and duration of the different degree programs can be found in Table 2. Of the 159 offerings, 71 were short courses and additional detail on those can be found in Table 3. The length of the degree programs varied from one year to three years, and the short courses varied from five days to 14 weeks (See Annex for more detailed information).

Bachelors

Bachelors - BComHon

Bachelors - Honours

Continuing Education Year
Course

Diploma

Masters

Figure 2. Number of Supply Chain *Degree* Programs by Type (n = 88)

Table 2: Supply chain management degree programs offered by academic institutions in Africa (in alpha order by country)

| | | Type of | | |
|----------|-----------------------|-------------|-----------------------|----------------|
| Country | Academic Institution | Institution | Title of Program | Degree Offered |
| | | | Bachelor of Business | |
| | | | Administration | |
| | University of | Academic | (Logistics and Supply | |
| Botswana | Botswana | Institution | Chain Management) | Bachelors |
| | | | Professional | |
| | | | Postgraduate | |
| | American University | Academic | Diploma in Supply | |
| Egypt | in Cairo | Institution | Chain Management | Diploma |
| | Ghana Institute of | | | |
| | Management and | Academic | PhD Theory of | |
| Ghana | Public Administration | Institution | Logistics | PhD |
| | | | Diploma in | |
| | | | Purchasing and | |
| | | Academic | Supplies | |
| Kenya | University of Nairobi | Institution | Management | Diploma |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Kenya | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | Bachelor of Science | |
| | | | in Procurement and | |
| | Africa Nazarene | Academic | Supply Chain | |
| Kenya | University | Institution | Management | Bachelors |

| | | Type of | | |
|---------|------------------------|---------------|------------------------|----------------|
| Country | Academic Institution | Institution | Title of Program | Degree Offered |
| | Jomo Kenyatta | | Bachelor of | |
| | University of | | Purchasing and | |
| | Agriculture and | Academic | Supplies | |
| Kenya | Technology | Institution | Management | Bachelors |
| | Jomo Kenyatta | | | |
| | University of | | | |
| | Agriculture and | Academic | Bachelor of Supply | |
| Kenya | Technology | Institution | Chain Management | Bachelors |
| | Jomo Kenyatta | | | |
| | University of | | Master of Science in | |
| | Agriculture and | Academic | Logistics and | |
| Kenya | Technology | Institution | Procurement | Masters |
| | | | Master of science in | |
| | Technical Institute of | Academic | Procurement and | |
| Vanya | Mombasa | Institution | Supply Chain | Masters |
| Kenya | IVIOITIDASA | IIISTITUTIOII | Management Bachelor of | iviasters |
| | | | Commerce in | |
| | | | Procurement and | |
| | | | Logistics and | |
| | Technical Institute of | Academic | Transportation | |
| Kenya | Mombasa | Institution | Management | Bachelors |
| Renya | TVIOTIO GGG | screation | Diploma in | Businers |
| | | | Procurement and | |
| | Technical Institute of | Academic | Materials | |
| Kenya | Mombasa | Institution | Management | Diploma |
| - | | | International | |
| | | | Diploma in Logistics | |
| | Technical Institute of | Academic | and Transport | |
| Kenya | Mombasa | Institution | Management | Diploma |
| | | | Diploma in Logistics | |
| | Technical Institute of | Academic | and Transport | |
| Kenya | Mombasa | Institution | Management | Diploma |
| | | | Bachelor of | |
| | | | Commerce in | |
| | Technical University | Academic | Logistics and Supply | |
| Kenya | of Kenya | Institution | Chain Management | Bachelors |
| | | | Bachelor of | |
| | | | Procurement and | |
| IV - | Multimedia | Academic | Logistics | De de d |
| Kenya | University of Kenya | Institution | Management | Bachelors |
| | | | Bachelor of | |
| | | Assalanti | Purchasing and | |
| Vanus | Egorton University | Academic | Supplies | Pachelore |
| Kenya | Egerton University | Institution | Management | Bachelors |

| | | Type of | | |
|---------|----------------------|-------------|----------------------|----------------|
| Country | Academic Institution | Institution | Title of Program | Degree Offered |
| • | | | Diploma in | |
| | | | Purchasing and | |
| | | Academic | Supplies | |
| Kenya | Egerton University | Institution | Management | Diploma |
| | | | Master of science in | |
| | | | Procurement and | |
| | Mount Kenya | Academic | Supplies | |
| Kenya | University | Institution | Management | Masters |
| | | | Diploma in | |
| | | | Purchasing and | |
| | Mount Kenya | Academic | Procurement | |
| Kenya | University | Institution | Management | Diploma |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Lusaka | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Malawi | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Malawi | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | Master of Science in | |
| | Malowi Institute of | Academic | Supply Chain | |
| Malawi | Management | Institution | Management | Masters |
| | | | Master of Science in | |
| | Al Akhawayn | Academic | Logistics and Supply | |
| Morocco | University | Institution | Chain Management | Masters |
| | SUP'MANAGEMENT | | | |
| | Universite | | Bachelors: Logistics | |
| | Intercontinentale | Academic | and Transport | |
| Morocco | Libre | Institution | Concentration | Bachelors |
| | SUP'MANAGEMENT | | | |
| | Universite | | Masters: Logistics | |
| | Intercontinentale | Academic | and Transport | |
| Morocco | Libre | Institution | Management | Masters |
| | | | Master Achats & | |
| | | | Logistique | |
| | ESCA Ecole de | Academic | (Purchasing and | |
| Morocco | Management | Institution | Logistics) | Masters |

| | | Type of | | |
|---------|-------------------------------------|-------------|--------------------------------|----------------|
| Country | Academic Institution | Institution | Title of Program | Degree Offered |
| | | | Master of Global | |
| | | Academic | Purchasing and | |
| Morocco | Groupe ISCAE | Institution | Logistics | Masters |
| | | | MBA Marketing- | |
| | | | Management of | |
| | | Academic | Health and Health | |
| Morocco | Groupe ISCAE | Institution | Products | Masters |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Namibia | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | Factoria and Carethorn | | MBA in Transport Economics and | |
| | Eastern and Southern | Academic | | |
| Namibia | Africa Management Institute (ESAMI) | Institution | Logistics Management (TELM) | Masters |
| Namibia | · · · | mstitution | | Iviasters |
| | Namibia University of | | Master of Logistics | |
| | Science and | Academic | and Supply Chain | |
| Namibia | Technology | Institution | Management | Masters |
| | Namibia University of | | | |
| | Science and | Academic | Bachelors of Logistics | Bachelors - |
| Namibia | Technology | Institution | Honours | Honours |
| | Namibia University of | | Bachelor of Logistics | |
| | Science and | Academic | and Supply Chain | |
| Namibia | Technology | Institution | Management | Bachelors |
| | | | Master of | |
| | | | Engineering | |
| | | | Management: | |
| | | Academic | Logistics and Supply | |
| Nigeria | University of Ibadan | Institution | Chain Management | Masters |
| | | | Bachelor in | |
| Canada | Com Da Ca | Academic | Transport and | Da ala ala sa |
| Senegal | Sup De Co | Institution | Logistics | Bachelors |
| | | Academic | BTS in Transport and | |
| Senegal | Sup De Co | Institution | Logistics | Diploma |
| | | Academic | Master 1: Transport | |
| Senegal | Sup De Co | Institution | and Logistics | Masters |
| | | Academic | Master 2: Transport | |
| Senegal | Sup De Co | Institution | and Logistics | Masters |
| | | | Master 2: Transport | |
| | | Academic | and Regional | |
| Senegal | Sup De Co | Institution | Planning | Masters |
| | | | Master 2: | |
| | | Academic | Humanitarian | |
| Senegal | Sup De Co | Institution | Logistics | Masters |

| Country | Academic Institution | Type of Institution | Title of Program | Degree Offered |
|-------------|------------------------|------------------------|---------------------------------|----------------|
| Country | Academic matication | | | Degree Offered |
| Conogol | Sun Do Co | Academic | Master 2: Food | Mastors |
| Senegal | Sup De Co | Institution | Logistics Agra | Masters |
| | | Academic | Master in Supply | |
| Senegal | Sup De Co | Institution | Chain Management | Masters |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| Carrahallaa | Africa Management | Academic | Logistics | N.A. ataua |
| Seychelles | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | Footows and Courthous | | MBA in Transport | |
| | Eastern and Southern | Academic | Economics and | |
| Covehollos | Africa Management | | Logistics | Mastors |
| Seychelles | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | Eastern and Southern | | MBA in Transport Economics and | |
| | Africa Management | Academic | Logistics | |
| Seychelles | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| Seychenes | Ilistitute (LSAMI) | mstitution | Undergraduate | iviasters |
| | | | Degree Programme: | |
| South | Stellenbosch | Academic | Logistics | |
| Africa | University | Institution | Management | Bachelors |
| Anica | Oniversity | mstration | Postgraduate Degree | Dacriciors |
| | | | Programme: Logistics | |
| South | Stellenbosch | Academic | Management | Bachelors - |
| Africa | University | Institution | (BComHon) | BComHon |
| 7111100 | Oniversity | mstration | Postgraduate Degree | Beammon |
| | | | Programme: Logistics | |
| South | Stellenbosch | Academic | Management | |
| Africa | University | Institution | (Masters) | Masters |
| | 1 | | Bachelor of | |
| | | | Commerce (Honors) | |
| South | University of | Academic | in Supply Chain | Bachelors - |
| Africa | KwaZulu-Natal | Institution | Management | BComHon |
| | | | Bachelor of | |
| | | | Commerce Option: | |
| South | | Academic | Supply Chain | |
| Africa | University of Pretoria | Institution | Management | Bachelors |
| | | | MPhil in Business | |
| | | | | |
| South | | Academic | Management Option: Supply Chain | |
| Africa | University of Pretoria | Institution | Management | Masters |
| Allica | Oniversity of Fretoria | mstitution | Programme in | MIGSTELS |
| | | | Supply Chain | Continuing |
| South | | Academic | Management for | Education Year |
| Africa | University of Pretoria | Institution | Junior Practitioners | Course |
| ,u | Silversity of Fretoria | mstitution | Julior Fractitioners | Course |

| | | Type of | | |
|---------|---|---------------|-----------------------------|---------------------------|
| Country | Academic Institution | Institution | Title of Program | Degree Offered |
| Country | Academic matication | mstreation | Advanced | Degree Offered |
| | | | Programme in | |
| | | | Supply Chain | Continuing |
| South | | Academic | Management for | Education Year |
| Africa | University of Proteria | Institution | Senior Practitioners | Course |
| AITICa | University of Pretoria | IIISTITUTIOII | | Course |
| | | | Executive | |
| | | | Programme in | Cambination |
| C | | A | Supply Chain | Continuing |
| South | III di madi ma Comunication | Academic | Management for | Education Year |
| Africa | University of Pretoria | Institution | Master Practitioners | Course |
| | | | Programme in | |
| | | | International Freight | Continuing |
| South | | Academic | Management & | Education Year |
| Africa | University of Pretoria | Institution | Administration | Course |
| | | | Programme in | 000.00 |
| | | | Production and | Continuing |
| South | | Academic | Operations | Education Year |
| Africa | University of Pretoria | Institution | Management | Course |
| 7111100 | Offiversity of Fretoria | mstration | Intermediate | Course |
| | | | Programme in | |
| | | | Production and | Continuing |
| South | | Academic | Operations | Education Year |
| Africa | University of Pretoria | Institution | Management | Course |
| AITICa | Offiversity of Fretoria | IIISTITUTIOII | Advanced | Course |
| | | | | |
| | | | Programme in Production and | Continuing |
| South | | Academic | | Continuing Education Year |
| Africa | University of Pretoria | Institution | Operations | Course |
| AITICa | Offiversity of Pretoria | IIISTITUTIOII | Management Bachelor of | Course |
| | | | | |
| | | | Commerce in Supply | |
| C - U | the contract of the | A | Chain and | |
| South | University of South | Academic | Operations | D. d. d |
| Africa | Africa | Institution | Management | Bachelors |
| 6 | 11.2 | | Master of Commerce | |
| South | University of South | Academic | in Business | |
| Africa | Africa | Institution | Management | Masters |
| | | | Doctor of Philosophy | |
| | | | in Management | |
| | | | Studies: Logistics, | |
| | | | Transport | |
| | | | Economics, | |
| South | University of South | Academic | Purchasing and | |
| Africa | Africa | Institution | Supply Chain | PhD |
| South | University of | Academic | National Diploma | |
| Africa | Johannesburg | Institution | (Logistics) | Diploma |
| | <u>, </u> | ı | | |

| Country | Academic Institution | Type of Institution | Title of Program | Degree Offered |
|-----------------|----------------------------|-------------------------|-----------------------------------|----------------|
| • | | | National Diploma | |
| South | University of | Academic | (Transportation | |
| Africa | Johannesburg | Institution | Management) | Diploma |
| South | University of | Academic | Bcom Logistics | |
| Africa | Johannesburg | Institution | Management | Bachelors |
| | | | | Dacricioi3 |
| South Africa | University of Johannesburg | Academic Institution | Btech (Logistics | Bachelors |
| AITICa | Jonannesburg | Institution | Management) BTech | Bachelors |
| South | University of | Academic | (Transportation | |
| Africa | Johannesburg | Institution | Management) | Bachelors |
| 711100 | Jonannessarg | mstreation | Bachelor of | Buenelors |
| | | | Commerce (Honors) | |
| | | | (Transport | |
| | | | Economics or | |
| South | University of | Academic | Logistics | Bachelors - |
| Africa | Johannesburg | Institution | Management) | BComHon |
| | | | Master of Commerce | |
| South | University of | Academic | in Business | |
| Africa | Johannesburg | Institution | Management | Masters |
| | | | Bachelor of | |
| South | Management College | Academic | Commerce in Supply | |
| Africa | of Southern Africa | Institution | Chain Management | Bachelors |
| | | | Bachelor of | |
| | | | Technology in | |
| South | Vaal University of | Academic | Logistics | |
| Africa | Technology | Institution | Management | Bachelors |
| C | Nelson Mandela | A | National Dialogo | |
| South Africa | University of Tomorrow | Academic | National Diploma | Diploma |
| AITICa | Tomorrow | Institution | (Logistics) Bachelors of | Diploma |
| | | | Business | |
| | | | Administration | |
| South | | Academic | Logistics and Supply | |
| Africa | Open Learning Group | Institution | Chain Management | Bachelors |
| | | | Diploma in Logistics | |
| South | | Academic | and Supply Chain | |
| Africa | Open Learning Group | Institution | Management | Diploma |
| South | North-West | | | Z I PIOTITA |
| Africa | University | Academic Institution | Bachelors of Logistics Management | Bachelors |
| AIIICA | Offiversity | การแนนเปป | MBA in Transport | ממופוטוט |
| | Eastern and Southern | | Economics and | |
| | Lastern and southern | | | 1 |
| | Africa Management | Academic | Logistics | |

| | | Type of | | |
|----------|------------------------|-------------|----------------------|----------------|
| Country | Academic Institution | Institution | Title of Program | Degree Offered |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Tanzania | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Tanzania | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Tanzania | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | Master of Science in | |
| | | | International | |
| | University of Dar es | Academic | Transport and | |
| Tanzania | Salaam | Institution | Logistics | Masters |
| | | | Bachelor of Trasport | |
| | | Academic | and Logistics | |
| Uganda | Makerere University | Institution | Management | Bachelors |
| | | | MBA in Transport | |
| | Eastern and Southern | _ | Economics and | |
| | Africa Management | Academic | Logistics | |
| Uganda | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | Master of Science in | |
| | In-Service Training | Academic | Supply Chain | |
| Zambia | Trust Africa | Institution | Management | Masters |
| | | | Bachelor of Science | |
| | The Copperbelt | Academic | in Purchasing and | |
| Zambia | University | Institution | Supply | Bachelors |
| | | | MBA in Transport | |
| | Eastern and Southern | | Economics and | |
| | Africa Management | Academic | Logistics | |
| Zimbabwe | Institute (ESAMI) | Institution | Management (TELM) | Masters |
| | | | Master of Science in | |
| | Chinhoyi University of | Academic | Supply Chain | |
| Zimbabwe | Technology | Institution | Management | Masters |
| <u> </u> | <u> </u> | | Bachelor of | |
| | | | Commerce Honours | |
| | | | Degree in Retail and | |
| | Midlands State | Academic | Logistics | Bachelors - |
| Zimbabwe | University | Institution | Management | BComHon |

Table 3: Supply chain management short courses offered by academic and training institutions in Africa

| | Academic/Training | | |
|---------|-------------------------------|----------------------------|------------------------------|
| Country | Institution | Type of Institution | Title of Program |
| | American University in | | Certified Supply Chain |
| Egypt | Cairo | Academic Institution | Professional |
| | American University in | | Basics of Supply Chain |
| Egypt | Cairo | Academic Institution | Management |
| | | | Certifications in |
| | American University in | | Supply Chain |
| Egypt | Cairo | Academic Institution | Management |
| | | | Certificate of |
| | | | Achievement in |
| | American University in | | Supply Chain |
| Egypt | Cairo | Academic Institution | Management |
| | Ama ani ann I Iniversity i in | | Foundations |
| Egypt | American University in | Academic Institution | Certificate in Supply |
| Egypt | Cairo | Academic institution | Chain Management |
| | American University in | | Career Certificate in |
| Egypt | Cairo | Academic Institution | Logistics Management |
| | | | Introduction to Public |
| | Idilmat: Capacity | | Procurement and Supply Chain |
| Ghana | Development Solutions | Training Institution | Management |
| Griana | Development solutions | Training institution | Certificate in |
| | | | Purchasing and |
| Kenya | University of Nairobi | Academic Institution | Supplies Management |
| • | , | | Certified Procurement |
| | Technical Institute of | | and Supply Chain |
| Kenya | Mombasa | Academic Institution | Professional of Kenya |
| Reliya | - IVIOTING GG | / toddefille illottedelett | Pharmaceutical |
| | | | Commodity Supply |
| | Strathmore School of | | Chain Management |
| Kenya | Business | Academic Institution | Program (PharmCom) |
| | | | Certificate in |
| | | | Purchasing and |
| Kenya | Mount Kenya University | Academic Institution | Supplies Management |
| | | | Introduction to |
| | | | Procurement |
| Rwanda | University of Rwanda | Academic Institution | Management |
| | | | Legal and Regulatory |
| | | | Framework for Public |
| Rwanda | University of Rwanda | Academic Institution | Procurement |
| | | | Logistics and Supply |
| Rwanda | University of Rwanda | Academic Institution | Chain |
| Rwanda | University of Rwanda | Academic Institution | E-Procurement |

| | Academic/Training | | |
|-----------------|-----------------------------|---------------------------|---------------------------------------|
| Country | Institution | Type of Institution | Title of Program |
| | | | Emerging Trends in |
| | | | Procurement |
| Rwanda | University of Rwanda | Academic Institution | Management |
| _ | | | Supply Chain |
| South | | | Management online |
| Africa | University of Cape Town | Academic Institution | short Course |
| | | | Applied Logistics and |
| South | University of | | Supply Chain Management Short |
| Africa | Witwatersrand | Academic Institution | Course |
| South | VVIEWatersrana | /teadefille institution | Course |
| Africa | University of Pretoria | Academic Institution | Contract Management |
| South | , | | |
| Africa | University of Pretoria | Academic Institution | Negotiation Skills |
| South | | | Customer Service |
| Africa | University of Pretoria | Academic Institution | Excellence |
| South | | | |
| Africa | University of Pretoria | Academic Institution | Fleet Management |
| South | | | Business Process |
| Africa | University of Pretoria | Academic Institution | Management |
| South | | | Business Process |
| Africa | University of Pretoria | Academic Institution | Modeling |
| South | | | Hands-on Supply |
| Africa | University of Pretoria | Academic Institution | Chain Management |
| C . II | | | Procurement & |
| South Africa | University of Protoria | Acadomic Institution | Materials |
| South | University of Pretoria | Academic Institution | Management Logistics for Non- |
| Africa | University of Pretoria | Academic Institution | Logisticians |
| 7111100 | Sinversity of Freeding | / toddefille lifetication | Hands-on Supply |
| South | | | Chain Management |
| Africa | University of Pretoria | Academic Institution | (Public sector) |
| | | | PFMA SCM Bid |
| South | | | Adjudication |
| Africa | University of Pretoria | Academic Institution | Committees |
| South | | | Mature demand and |
| Africa | University of Pretoria | Academic Institution | supply planning |
| | | | Short Course in |
| South | Habitania and Deeder de | A and and a local to the | Humanitarian |
| Africa | University of Pretoria | Academic Institution | Logistics (CHL) |
| | | | Course in Introduction to Storage and |
| South | | | Inventory |
| Africa | University of South Africa | Academic Institution | Management |
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| | Academic/Training | | |
|---------|----------------------------|-------------------------|---------------------------------------|
| Country | Institution | Type of Institution | Title of Program |
| | | | Programme in Public |
| South | | | Procurement and |
| Africa | University of South Africa | Academic Institution | Supply Management |
| | | | Programme in |
| South | | | Purchasing and Supply |
| Africa | University of South Africa | Academic Institution | Management |
| | | | Advanced Programme |
| South | | | in Sourcing and Supply |
| Africa | University of South Africa | Academic Institution | Chain Management |
| | | | Higher Certificate in |
| South | Management College of | | Supply Chain |
| Africa | Southern Africa | Academic Institution | Management |
| | | | College SA Proficiency |
| | | | Certificate: Supply |
| South | | | Chain And Logistics |
| Africa | College South Africa | Academic Institution | Management |
| | | | Short Programme in |
| 6 | | | Procurement and |
| South | Damalia | Tunining Institution | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| Arrica | Daniemi | Training institution | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
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| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
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| C | | | Procurement and |
| South | Domeslin | Tunining to skill 10 c. | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| Allica | Dameiiii | Training mstitution | Ivialiagement |

| | Academic/Training | | |
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| Country | Institution | Type of Institution | Title of Program |
| | | | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in |
| _ | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in |
| | | | Procurement and |
| South | 5 1 | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in |
| C II | | | Procurement and |
| South | Damalia | Turkining In akikuski au | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in Procurement and |
| South | | | |
| Africa | Damelin | Training Institution | Supply Chain Management |
| AITICa | Dameiiii | Training mstitution | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| 711164 | Damein | Training motitation | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| - | | | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| | | | Short Programme in |
| | | | Procurement and |
| South | | | Supply Chain |
| Africa | Damelin | Training Institution | Management |
| South | | | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
| South | | _ | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
| , iii ica | Tarsity conege | Training moditation | - Logistics Handgement |

| | Academic/Training | | |
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| Country | Institution | Type of Institution | Title of Program |
| South | | | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
| South | | | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
| South | | | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
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| Africa | Varsity College | Training Institution | Logistics Management |
| South | | | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
| South | | | Supply Chain & |
| Africa | Varsity College | Training Institution | Logistics Management |
| South | | | Higher Certificate in |
| Africa | Open Learning Group | Academic Institution | Logistics Management |
| | | | Overview Supply |
| South | G.D. | Total and a series | Chain Management - |
| Africa | S Buys | Training Institution | Deliver Course |
| South | Africa Supply Chain Academy; Imperial Health | | Warehouse Operations |
| Africa | Sciences | Training Institution | Management Course |
| 711100 | - Concession - Con | Training moderation | Executive Public |
| | Africa Supply Chain | | Health Supply Chain |
| South | Academy; Imperial Health | | Management |
| Africa | Sciences | Training Institution | Programme SA |
| | | | Supply Chain |
| South | | | Management short |
| Africa | Regent Business School | Academic Institution | Course |
| | Eastern and Southern | | Overview of Supply |
| Tanzania | Africa Management Institute (ESAMI) | Academic Institution | Overview of Supply Chain Management |
| Tanzama | Eastern and Southern | Academic institution | Chain Management |
| | Africa Management | | Overview of Supply |
| Tanzania | Institute (ESAMI) | Training Institution | Chain Management |
| | , | | Post Graduate |
| | | | Certificate in |
| | | | Procurement and |
| Uganda | Makerere University | Academic Institution | Logistics Management |
| | | | Procurement and |
| | | | Supply Management |
| | Dharmacoutical Systems | | (PSM) Course for the Uninitiated PSM |
| Zambia | Pharmaceutical Systems Africa | Training Institution | Consultant/Manager |
| <u> حماناها</u> | Airica | Training moditation | Consultanty Manager |

Study Limitations

The authors acknowledge the presence of following limitations in this analysis. First, given the rapid nature of this analysis, the research was solely dependent on the online presence of academic or training institutions. If an online presence was not available, the educational offerings were not included in this analysis. Our search mimicked what a potential English-speaking student in Africa might search and thus find in their own search results. Second, the research was conducted in English, any offerings that may have been in another language (i.e. namely French, Portuguese, or Arabic) were not included given the English key words list. Third, non-African based offerings were excluded due to the purpose of the analysis (i.e. even courses offered on the continent but by non-African entities based outside of Africa). Finally, when obtaining background information for this study, it was made known that a few new degree offerings are under development and will be available in the near future. These are not included in this analysis but should be added when they are available.

Conclusion

As evidenced in Tables 2 and 3, a variety of supply chain management educational programs are available throughout Africa—concentrated in the continent's economic leaders—by African-based entities. Given the uneven distribution of programs geographically, educational opportunities in supply chain management are less available to those outside of southern Africa. This would require travel and additional expense by participants to travel to southern Africa to obtain their desired training.

It was also found that there are many private partnerships that are not based in Africa, but joint ventures from outside universities and training institutions (e.g. CILT/CIPS training programs, NGO-based trainings, etc.). The exclusion of these programs allows for a clearer picture of the autonomy of African institutions on supply chain education that is tailored to their particular needs.

Moving forward, these findings should be reviewed, expanded upon, and validated by major supply chain stakeholders on the continent, including SAPICS, the South African APICS supply chain management professional association^{vii}. These validated findings should be considered during discussions among country and regional leaders, international partners, global initiatives prior to investing in additional supply chain educational initiatives.

Annex

Workbook 1. Complete Landscape Analysis



Microsoft Excel 97 - 2004 Sheet

References

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iii www.ctl.mit.edu

iv www.scale.mit.edu

v http://www.rhsupplies.org/activities-resources/tools/laptop

vi www.iaphl.org

vii http://www.sapics.org