Ph.D. in Business Administration-Management

Degree Offered

• Doctor of Philosophy

Nature of the Program

The Ph.D. in Business Administration with a major in Management is a high-quality, full-time, residential program designed to prepare qualified individuals for a career in scholarly research and teaching at the university level. Our program is supported by faculty who actively publish research on a variety of topics in organizational behavior and strategic management that reflect the most relevant and interesting questions from the standpoint of advancing academic knowledge and managerial practice. As such, our Ph.D. students are exposed to a greater scope of scholarly knowledge while getting an in-depth training on a specific topic of their dissertation research. We also believe that an effective scholar should be trained as both a researcher and a teacher. Our Ph.D. program provides Ph.D. students with an opportunity to learn from the best faculty instructors. We also care about what happens to our Ph.D. students after they graduate. Job search training and support are part of our program.

Our program is small and student-centered, which provides students the opportunity to work closely with faculty on various research projects. This personal attention extends to the small, research-oriented doctoral seminars that form the core of our academic program. Students are an integral part of our department and viewed more as junior colleagues, research partners, and co-authors than as traditional students. Consequently, we encourage all students to work with multiple faculty, not just their advisor or dissertation chair.

“The size of WVU's program is a real competitive advantage for us needy Ph.D. students – at WVU, the Ph.D. students can dip their brush into experiences and opportunities that they couldn't get at any other place.” -- Drew Carnes, Ph.D., Assistant Professor of Management at West Carolina University (graduated from WVU in 2015).

“The WVU PhD program prepared me for academic research at all levels, and from all angles. My favorite memories of the PhD are of discussing research with faculty. who supported my initial ideas yet pushed me further.” -- Karen Nicholas, Ph.D., Assistant Professor of Management at Boise State University (graduated from WVU in 2018).

“The training I received at WVU highly prepared me for success as a scholarly academic. The methods training is highly rigorous and the seminars challenged me to think in new ways and also complemented my existing experience in both academia and industry. Completing the program was certainly the biggest challenge of my life, but I left knowing that I had everything I needed to move forward.” -- Curtis Sproul, Ph.D., Assistant Professor of Management at Georgia Southern University (graduated from WVU in 2017).

WHAT MAKES OUR PH.D. PROGRAM UNIQUE?

People are our competitive advantage! If you join our program, you'll find yourself in a very stimulating and supportive environment. Our Ph.D. students do not compete with each other. The small size of our program allows each student to closely interact with more than one faculty.

Place – Joining West Virginia University will certainly convince you that Mountaineer's spirit is great! Our program is residential and located in Morgantown, West Virginia, an hour and a half away from Pittsburgh, Pennsylvania. On the Best Places to Live (https://livability.com/best-places/top-100-best-places-to-live/2018/wv/morgantown) list for 2018, Morgantown also appears on the Livability.com Top 10 Cities for Affordable Health Care. (https://livability.com/top-10/health/10-best-cities-for-affordable-healthcare/2014/wv/morgantown) Known primarily as home to West Virginia University and its 30,000 students, Morgantown has a wide variety of housing options and neighborhoods as well as downtown shops, restaurants and entertainment nightspots for students and residents. The median age here is 22.6 years old, which contributes to a youthful and fun local culture.

Profession – We are an R1 (highest research activity) university, and our College and Department, in particular, correspond to this prestigious status. Faculty in our Department publish in top academic journals and are recognized well beyond West Virginia University for their research and service to the profession. The vast professional network of our faculty is a great asset for our Ph.D. students in their job search.

Our Ph.D. program is looking for people who share our values of curiosity, respect, accountability, service and appreciation.

FACULTY

COORDINATOR

• Olga Bruyaka Collignon - Ph.D. (EM Lyon Business School and Jean Moulin University, Lyon, France)
  Expertise: inter-firm alliances and alliance portfolios, technology and innovation, resource-based theories, signaling theory, organizational stigma

PROFESSORS

• Mark Gavin - Ph.D. (Purdue University)
  Expertise: trust, emotions, leadership, and multilevel phenomena
• Jodi Goodman - Ph.D. (Georgia Institute of Technology)
Expertise: learning processes, adaptive expertise, institutional environments, and research methods

- Edward Tomlinson - Ph.D. (The Ohio State University)
  Expertise: interpersonal trust, behavioral integrity, and deviant workplace behavior

ASSOCIATE PROFESSORS

- Olga Bruyaka Collignon - Ph.D. (EM Lyon Business School and Jean Moulin University, Lyon, France)
  Expertise: inter-firm alliances and alliance portfolios, technology and innovation, resource-based theories, signaling theory, and organizational stigma

- David Dawley - Ph.D. (Florida State University)
  Expertise: organization turn-around, organizational crisis, signaling theory, and multilevel phenomena

- Jeff Houghton - Ph.D. (Virginia Tech University)
  Expertise: leadership, self-leadership, team processes and performance, international HR, creativity and innovation, and personality and individual differences

- Xiaoxiao Hu - Ph.D. (George Mason University)
  Expertise: workplace affect, social dynamics in organizations, leadership, employee development

- Nancy McIntyre - Ph.D. (University of Rhode Island)
  Expertise: curiosity, self concept-based motivation, emotional intelligence, and perfectionism

- Abhishek Srivastava - Ph.D. (University of Maryland)
  Expertise: leadership, team effectiveness, and the factors that support knowledge sharing

ASSISTANT PROFESSORS

- Ryan Angus - (University of Utah)
  Expertise: value creation, uncertainty, entrepreneurship, pivoting, theory of the firm, human capital

- Tianxu Chen - Ph.D. (Drexel University)
  Expertise: competitive dynamics, technology and innovation, entrepreneurship

- James Field - Ph.D. (Virginia Commonwealth University)
  Expertise: meta-analysis, sensitivity analysis, open science, big data, employee turnover, employee motivation

- Kayla Follmer - Ph.D. (The Pennsylvania State University)
  Expertise: concealable identity management, mental illness, diversity and inclusion

- Lily Morse - Ph.D. (Carnegie Mellon University)
  Expertise: behavioral ethics, prosocial deviance, moral character, negotiation

Admissions

The following will be considered for admission into the program:

**TRANSCRIPTS/ GRADUATE POINT AVERAGE (GPA) SCORES**

To be admitted into the Ph.D. in Business Administration with a major in Management program, applicants must have completed a bachelor’s degree from an accredited university and should have a cumulative GPA of 3.25 or better for undergraduate work, and a cumulative GPA of 3.5 or better for graduate work (based on the U.S. standard scale of 4.0).

Applicants must send their transcripts to the WVU Office of Graduate Admissions and Recruitment. Official electronic copies of transcripts may be emailed to GraduateAdmissions@mail.wvu.edu. This will help expedite the admissions process. If the institution does not offer the electronic transcript service, please have your official transcripts mailed to: West Virginia University Office of Graduate Admissions and Recruitment, PO Box 6510, Morgantown, WV 26506-6510.

**GMAT OR GRE SCORES**

GMAT (Graduate Management Admission Test) or GRE (Graduate Record Exam) score must be submitted. Successful Ph.D. applicants to our Program usually have GMAT or GRE scores in the 70+ percentile. The GRE-GMAT comparison tool (https://www.ets.org/gre/institutions/about/mba/comparison_tool) will be used to evaluate the GRE scores.

Graduate Management Admission Test (GMAT)

Visit www.mba.com (http://www.mba.com) for information on the GMAT, including a testing center, scheduling your test, and downloading a sample test. We suggest that you take a few months to study for the GMAT and sit for the test in the autumn prior to the year in which you apply, so that if a re-take is necessary, you will have sufficient time to schedule it. In West Virginia, the test is administered in Morgantown and Charleston (https://www.eduers.com/gmat/gmat-test-centers-in-west-virginia/). Scores are valid for five years from the date of the test.
Minimum 3.0 GPA required does not guarantee admission. Applicants will not be accepted on a provisional basis. The entrance requirements are minimum requirements for admission. Since there is limited space in each year's class, meeting entrance requirements encourages all interested candidates to submit their completed applications by February 1.

To start the application process, go to the WVU Application portal. Once an account has been created, applicants can edit the application at their discretion. Please complete all questions asked.

1. Create a username and password.
2. Once an account has been created, applicants can edit the application at their discretion. Please complete all questions asked.
3. Upload an up-to-date resume (Curricula Vitae): Your resume should include enough information for the admissions committee to trace your entire professional work history and should indicate any relevant affiliations.
4. Request 1-3 letters of recommendation through the online portal. Individual letters should not exceed one page: We recommend that your reference provide some information that is not found in the other materials being submitted. Topics with regards to your ability to work with others, your discipline and ambition, leadership potential, etc. should be addressed. Your reference letter(s) should discuss the aptitude necessary for your success in the Ph.D. program.
5. Create a Statement of Purpose: Your statement of purpose should address why you are interested in earning your Ph.D. from WVU (what you hope to learn, career goals, etc.). You should demonstrate your understanding of what academic research is and your commitment to doing this type of work, both in the Ph.D. program and throughout your career. You should discuss any research experience you have, your general area of interest and your specific research interests.
6. Writing Sample (if available): Examples include class research papers, conference papers, published research articles, research manuscripts in progress, white papers, technical reports, etc.
7. You may also send other supporting materials you wish to have considered with your application. All these materials can now be submitted electronically as part of the online application process. This method is strongly preferred, since it assures timely receipt of the documents.
8. Pay application fee ($60.00 payable by Visa, Mastercard, or Discover Card).
9. Submit application.
10. To complete your application, you must submit GMAT or GRE scores as well as your TOEFL / IELTS scores (For GMAT / GRE and for TOEFL, our Institution code is 5904, Department code is 1801). Generally, West Virginia University and our department will accept test scores that are no more than five years old as long as the applicant can provide a valid copy of the official score report.

The entrance requirements are minimum requirements for admission. Since there is limited space in each year's class, meeting entrance requirements does not guarantee admission. Applicants will not be accepted on a provisional basis.

For GMAT / GRE and for TOEFL, our Institution code is 5904, Department code is 1801. Generally, West Virginia University and our department will accept test scores that are no more than five years old as long as the applicant can provide a valid copy of the official score report.

Application Process

Students begin their graduate work in the fall semester. To be assured full consideration for August admission and/or financial aid, the department encourages all interested candidates to submit their completed applications by February 1. The department makes most admission decisions during February and March. With the typical application processing time, we encourage potential students to apply early to ensure all materials are received prior to the due date. However, applications at a later date may be also considered.

WVU has now implemented an application process that is almost completely electronic. Other than academic records (transcripts, etc.), all application materials can now be submitted electronically, including letters of reference. The WVU Office of Graduate Admissions and Recruitment begins accepting applications for the next academic year on or about September 15.

Graduate Record Examination (GRE)

As an alternative, applicants to the Management Ph.D. program may submit their GRE scores. The GRE revised General Test is available at more than 850 test centers in more than 160 countries. In most regions of the world, the computer-delivered test is available on a continuous basis throughout the year. In Mainland China, Hong Kong, Taiwan, and Korea, the computer-delivered test is available one to three times per month. In areas of the world where computer-delivered testing is not available, the paper-delivered test is available up to three times a year in October, November, and February. For more information about the GRE, visit www.ets.org/gre (http://www.ets.org/gre).

Language Skills Tests – TOEFL or IELTS

Applicants whose native language is not English or who did not complete an undergraduate degree at an institution in an English-speaking country must demonstrate their ability to perform successfully in university-level coursework where English is the language of instruction and assessment. WVU requires candidates to submit the appropriate English test scores. The minimum acceptable scores are 600 on the TOEFL paper-based format, 250 on the TOEFL computer-based format, 100 on the TOEFL-iBT, or 7.0 on the IELTS. Go to www.toefl.org (http://www.toefl.org) or www.ielts.org (http://www.ielts.org) to register and find out more about the test.

For GMAT / GRE and for TOEFL, our Institution code is 5904, Department code is 1801. Generally, West Virginia University and our department will accept test scores that are no more than five years old as long as the applicant can provide a valid copy of the official score report.

START YOUR SUBMISSION NOW (HTTPS://APP.APPLYYOURSELF.COM/AYAPPLICANTLOGIN/FL_APPLICANTCONNECTLOGIN.ASP?ID=WVUGRAD)

Minimum 3.0 GPA required.
Doctor of Philosophy

The coursework in management is designed to provide a theoretical, methodological, and statistical foundation for critically evaluating extant research and conducting independent research. Students will take six content courses in management and six research methods and statistics courses. Additional requirements include a qualifying paper and a comprehensive examination. Subsequent to completing coursework and passing comprehensive examinations, students will be admitted to doctoral candidacy. Remaining hours will focus on completing a dissertation.

MAJOR REQUIREMENTS

Methods and Statistics Courses - all required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MANG 710</td>
<td>Philosophy of Research</td>
</tr>
<tr>
<td>MANG 711</td>
<td>Research Methods</td>
</tr>
<tr>
<td>EDP 613</td>
<td>Statistical Methods 1</td>
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<tr>
<td>or STAT 511</td>
<td>Statistical Methods 1</td>
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<tr>
<td>EDP 614</td>
<td>Statistical Methods 2</td>
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<tr>
<td>or STAT 512</td>
<td>Statistical Methods 2</td>
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<tr>
<td>PSYC 612</td>
<td>Multivariate Analysis</td>
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<tr>
<td>or STAT 541</td>
<td>Applied Multivariate Analysis</td>
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<tr>
<td>MANG 713</td>
<td>Structural Equation Modeling</td>
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Management Content Seminars (6 courses required)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>MANG 740</td>
<td>Org Behavior: Groups and Teams</td>
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<tr>
<td>MANG 760</td>
<td>Organizational Theory</td>
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<tr>
<td>MANG 780</td>
<td>Organizational Behavior: Individuals</td>
</tr>
<tr>
<td>MANG 770</td>
<td>Strategic Management Theory</td>
</tr>
<tr>
<td>MANG 785</td>
<td>Contemporary Strategic Mgmt</td>
</tr>
<tr>
<td>Open Elective</td>
<td>(Doctoral seminars; approval of Management PhD Coordinator required)</td>
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Research Hours

- MANG 797 Research

Dissertation Hours

- MANG 798 Thesis or Dissertation

Qualifying Paper

Comprehensive Exam

Dissertation Proposal Defense

Dissertation Defense

Total Hours 72

SUGGESTED PLAN OF STUDY

First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours Spring</th>
<th>Hours Summer</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MANG 710</td>
<td>3 MANG 711</td>
<td>3 Begin Qualifying Paper</td>
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<tr>
<td>STAT 511</td>
<td>3 STAT 512</td>
<td>3</td>
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<tr>
<td>Management Content Seminar</td>
<td>3 Management Content Seminar</td>
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Second Year

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<tr>
<th>Fall</th>
<th>Hours Spring</th>
<th>Hours</th>
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<tr>
<td>STAT 541</td>
<td>3 MANG 713</td>
<td>3</td>
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<tr>
<td>Management Content Seminar</td>
<td>6 Management Content Seminar</td>
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Third Year

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<tr>
<th>Fall</th>
<th>Hours Spring</th>
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<tr>
<td>MANG 797</td>
<td>3 MANG 797</td>
<td>3</td>
</tr>
<tr>
<td>MANG 798</td>
<td>6 MANG 798</td>
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</table>
Ph.D. in Business Administration-Management

COURSES

MANG 590. Teaching Practicum. 1-3 Hours.
PR: Consent. Supervised practice in college teaching of management. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It will also present a mechanism for students not on assistantships to gain teaching experience. (Grading may be S/U.).

MANG 591. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

MANG 593. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

MANG 594. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

MANG 691. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

MANG 692. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

MANG 693. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

MANG 694. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

MANG 695. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

MANG 696. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

MANG 697. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.).

MANG 698. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.

MANG 699. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use of the University’s facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department’s 699/799 Graduate Colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is S/U; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.

MANG 709. Applied Univariate Statistics. 3 Hours.
PR: Must be enrolled in a WVU Business & Economics PhD program or permission of the instructor. This course is an advanced introduction to applied univariate statistics, emphasizing understanding statistical concepts and methods and building data analysis skills. The goal is to provide a foundation from which students can continue to develop statistics knowledge and skills. The course will cover foundational topics (descriptive statistics, sampling distributions, hypothesis testing, probability) and statistical analyses (chi-square, t-tests, correlation, ANOVA, regression).
MANG 710. Philosophy of Research. 3 Hours.
PR: Consent. This course provides an overview of the philosophical concepts that guide research in organizations, including overview of research process, scientific progress, theory and practice, and selection of research design.

MANG 711. Research Methods. 3 Hours.
PR: Consent. Graduate-level introduction to critical topics in research methodology relevant to the social sciences. Emphasis on theory-driven research design, data collection, measurement development and evaluation, and various quantitative data analytic issues with a particular focus on organizational research.

MANG 713. Structural Equation Modeling. 3 Hours.
PR: Consent. This course examines the role and application of structural equation modeling (SEM) in social science research. The overarching goal is to provide the student with an understanding of the rationale underlying SEM, the application of SEM to research endeavors, the interpretation of SEM analyses, and the evaluation of research using SEM.

MANG 720. Human Resource Management. 3 Hours.
PR: Consent. This course offers an overview of theories and research underpinning the strategic and functional human resource management literature by reviewing representative research published in top academic journals and generating original research proposals.

MANG 730. Leadership. 3 Hours.
PR: Consent. This course seeks to critically analyze and explain current and classic leadership literature, taking stock of the knowledge base developed to date and considering conceptual and methodological avenues for further advancement.

MANG 740. Org Behavior: Groups and Teams. 3 Hours.
PR: Consent. This course provides a survey of the field of organizational behavior, primarily at the group/team level. The emphasis is on exploring concepts, theory, and empirical research to develop foundational knowledge in several key topic areas and in the approaches used to study group- and team-level organizational behavior.

MANG 760. Organizational Theory. 3 Hours.
PR: Consent. This course provides a survey of modern developments in organizational theory and their connection to the field’s roots. Modern organizational theory has several different sub-fields whose diverse theories this course will connect.

MANG 770. Strategic Management Theory. 3 Hours.
PR: Consent. This course provides a survey of theories and methods in strategy research. The emphasis is on the development of major theories, perspectives, and paradigms in the strategic management field.

MANG 780. Organizational Behavior: Individuals. 3 Hours.
PR: Consent. This course provides a survey of the field of organizational behavior, primarily at the individual level of analysis. The emphasis is on exploring concepts, theory, and empirical research to develop foundational knowledge in several key topic areas.

MANG 785. Contemporary Strategic Mgmt. 3 Hours.
PR: Consent. This course provides an evaluation and analysis of contemporary issues in the strategic management literature.

MANG 791. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

MANG 795. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.

MANG 797. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading will be S/ U.)

MANG 798. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.
MANG T125 . . 3 Hours.
MANG T280 . . 3 Hours.
MANG T310 . . 3 Hours.
MANG T351 . . 3 Hours.
MANG T352 . . 3 Hours.
MANG T353 . . 3 Hours.
MANG T355 . . 3 Hours.
MANG T370 . . 3 Hours.
MANG T371 . . 3 Hours.
MANG T372 . . 3 Hours.
MANG T373 . . 3 Hours.
MANG T375 . . 3 Hours.
MANG T381 . . 3 Hours.
MANG T382 . . 3 Hours.
MANG T385 . . 3 Hours.
MANG T386 . . 3 Hours.
MANG T387 . . 3 Hours.
MANG T388 . . 3 Hours.
MANG T389 . . 3 Hours.
MANG T420 . . 3 Hours.
MANG T422 . . 3 Hours.
MANG T428 . . 3 Hours.
MANG T429 . . 3 Hours.
MANG T430 . . 3 Hours.
MANG T450 . . 3 Hours.
MANG T452 . . 3 Hours.
MANG T480 . . 3 Hours.
MANG T481 . . 3 Hours.
MANG T482 . . 3 Hours.
MANG T483 . . 3 Hours.
MANG T484 . . 1 Hour.
MANG T485 . . 3 Hours.
MANG T487 . . 3 Hours.
MANG T488 . . 3 Hours.
MANG T489 . . 1-6 Hours.
MANG T490 . . 1-3 Hours.
MANG T491 . . 1-6 Hours.
MANG T493 . . 1-6 Hours.