



Fun Run Training Program

21km Half Marathon

The programs outlined below will highlight the key weekly sessions that need to be completed during your half marathon preparation. Your weekly program structure should be built around these sessions.

Essential Sessions for the half marathon

Long Aerobic Run (Medium long aerobic run)

These longer runs are a key to your half marathon performance, as they are aimed at providing you with the aerobic development and strength endurance that is required for the half marathon. It is best if these runs can be done over slightly undulating terrain, as these rolling hills will allow maximum strength gains. Where possible, it is recommended that you run on softer surfaces like grass or dirt trails. This will minimise the chance of injury as well as reducing muscular damage and allowing you to back up better between sessions. The intensity of these runs should be moderate, as aerobic adaptations are the key. As a guide to pace, about 20-25% slower than half marathon should be appropriate. For those runners looking at running near the 2 hour mark, then the main challenge will be developing the strength and endurance to go the distance and therefore long run training pace may be as fast as half marathon goal pace.

Tempo Intervals

Tempo sessions are a key component in training for the half marathon. These sessions should be run at about anaerobic threshold intensity, which is equivalent to about 1 hour race pace (i.e. the intensity you could hold for 60 minutes). For this reason, some of the primary adaptations include; boosting anaerobic threshold; improving running economy, and also mentally conditioning yourself to maintain solid intensities for extended periods.

Tempo/Strength Session

The tempo/strength session is an extension of the straight tempo session, with a greater emphasis on strength endurance development. This session begins with a tempo period, as described above, and then at the completion of this period immediately moves in some short hill efforts. The first hill effort should begin right at the end of the tempo period, with no recovery between. The intensity of the hill efforts should be equivalent to about 10km race intensity. These efforts should be done on a hill of moderate grade only (5-6%) and during the effort stride length should be slightly longer than normal when hill running. These slightly longer strides will cause more force to be generated in the active muscles and superior strength endurance gains will result. Between each hill effort, jogs slowly back down the hill as recovery, before immediately starting the next effort.

Speed

Speed sessions are important sessions that are often overlooked in the construction of a training program. They provide neuromuscular adaptations, and thus help improve efficiency and technique. These sessions are often also used as a gentle introduction to intense intervals. These sessions should be done on a track or flat smooth oval. The efforts should be run at about 1500m race pace, or a pace that is fast but controlled. If you feel as though you cannot hold your speed or technique for the entire distance of the effort, then you are running too hard.

As neuromuscular gains are the focus, you should aim at maintaining speed and technique throughout the session. All efforts should be completed in approximately the same time. In order to allow this, have a full recovery between each effort. This generally means 2 to 3 minutes of easy jogging. While the intensity of these efforts is quite high, their short duration with the long recovery between intervals makes them relatively low stress.

VO2

These sessions are your key 'top end' intensity sessions and will definitely be the harder sessions you will complete in regards to running intensity. The aim of these sessions is to provide improvements in VO2 max, sustainable running speed, as well as some improvements in anaerobic threshold. The efforts should be completed on a track or flat grass oval. Efforts should be done at 5km race pace for those runners aiming for a sub 100min half marathon, while those aiming for over 100 minutes should aim to complete these efforts at about 3km race pace. Each effort should be of a consistent pace, with no surging. The recovery between each effort is relatively short and is specified in the training program below. This recovery period does not allow for full recovery. This is the session that many runners get carried away with and try and push too hard. If these efforts are pushed too hard, then the appropriate adaptations will not occur. The focus of the session will become lactate tolerance, and recovery afterwards will be much slower. Missing out on these key adaptations at the desired intensities would result in inferior half marathon performance, so be sure not to push these intervals too hard.

Recovery

If you are able to fit in additional weekly runs, they should be made up of easy recovery runs. These runs are aimed at providing you with some additional aerobic benefits on top of your usual training load, but more importantly are used as active recovery between the key weekly sessions. These runs should be of very low intensity- an intensity that is simply an easy jog. There should be no stress associated with these runs and you should generally finish the run feeling better than when you began.

Preparing for Your Training sessions

The preparation for each of your training sessions is in many ways as important as the session itself. Inadequate preparation will result in poor training intensity and therefore training session goals will not be achieved.

Nutrition and hydration are important, so be sure to eat and drink before all key training sessions, and especially for the morning sessions.

The other key aspect of session preparation is the warm-up. A warm-up should consist of a minimum of 5-10 minutes of light activity. For more intense sessions this warm-up should be even longer and it is recommended that a total of 15 minutes be completed. The recommended warm-up begins with 5-8 minutes of easy jogging. Then complete some low intensity drills in order to take your muscles through an increased range of motion. Some appropriate drills include high knees and butt kicks, as well as many other running specific drills.

The next part of the warm-up process is used to provide a little bit of intensity to 'kick over' your anaerobic energy system, as well as increasing the length of your stride to finish off your muscular warm-up. These surges should only be 10-25 seconds in length and done at around 5km race intensity. Shorter surges should be fine for your aerobic or less intense runs, but for your key intensity sessions, longer intervals will provide a better warm-up for the energy system demands of the oncoming session. Your last surges should finish about 2 minute before you start the main part of your session. Static stretching should be avoided as part of the warm-up as this may allow the muscles to cool down, as well as restricting the speed and power of muscular contractions. Many people have traditionally used static stretching as part of their warm-up, so if it makes you feel more comfortable, include only a short 2-3 minute period of stretching prior to starting the drills and strides portion of the warm-up.

Training Speeds

	Pace For Half Marathon Training	Notes
Long Aerobic Run	20% slower than ½ marathon goal pace.	Moderate, should be neither hard nor easy. Run solid and strong.
Speed Intervals (on track)	~1500m race pace	Not a maximal sprint, maintain control and technique.
VO2 Intervals (on track)	5km race pace	A very hard session but each effort should be at an even pace and not run faster than 5km race pace.
Tempo	60min race intensity	Can be completed over a hilly circuit. Intensity should be firm but sustainable.
Strength Efforts (hill efforts)	Approx. 10km race intensity	On a hill of moderate grade, and stride Length should not be shortened too much for the hill.



12-week Training Program

Vitality Half Marathon

In under 100 Minutes

Week	Long Aerobic	Tempo/Strength	Speed	VO2	Medium Long Aerobic
Week 1	80 minutes	4x4min with 3min recovery	4x200m	-	30min recovery
Week 2	95 minutes	4x5min with 2min recovery	4x300m	-	40min recovery
Week 3	100 minutes	6x4min with 2min recovery	5x200m	-	50min aerobic
Week 4 (Recovery)	90 minutes	1x10min	4x200m	-	60min aerobic
Week 5	105 minutes	2x8min with 3min recover	5x200m	-	50min aerobic
Week 6	110 minutes	2x12min with 5min recovery	5x300m	-	40-45min recovery
Week 7	100 minutes	6min tempo then 4x90sec strength Efforts	-	5x800m with 2min recovery	70min aerobic
Week 8	100 minutes	10min tempo then 3x90sec strength efforts	-	4x1000m with 2min recovery	40min recovery
Week 9	90 minutes	8min tempo then 4x90sec strength Efforts	-	6x600m with 90sec recovery	60-70min aerobic
Week 10	100 minutes	12min tempo then 5x90sec strength efforts	-	4x800m with 90sec recovery	50min aerobic
Week 11	90 minutes	2x12min with 4min recovery	-	5x1000m with 2min recovery	60min aerobic
Week 12 (Race Week)	-	2x5min with 5min recovery	-	4x600m with 2min recovery	30min recovery

Suggested Weekly Structure – sub 100 min						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Rest or Recovery	Speed or VO2	Medium or long recovery	Day Off	Tempo/Cruise intervals/strength	Rest or Recovery	Long Aerobic



12-week Training Program

Vitality Half Marathon

Over 100 Minutes

Week	Long Aerobic	Tempo/Strength	Speed	VO2	Medium Long Aerobic
Week 1	80 minutes	4x3min with 2min recovery	4x150m	-	30min recovery
Week 2	95 minutes	3x5min with 3min recovery	4x200m	-	40min recovery
Week 3	105 minutes	4x5min with 2min recovery	4x250m	-	50min aerobic
Week 4 (Recovery)	90 minutes	2x8min with 3min recovery	5x150m	-	60min aerobic
Week 5	110 minutes	2x10min with 5min recovery	4x250m	-	50min aerobic
Week 6	100 – 120 minutes	1x12min	4x300m	-	40-45min recovery
Week 7	100 minutes	8min tempo then 4x90sec strength Efforts	-	4x600m with 2min recovery	70min aerobic
Week 8	110 minutes	6min tempo then 3x90sec strength efforts	-	4x800m with 2min recovery	40min recovery
Week 9 (Recovery)	100 minutes	12min tempo then 4x90sec strength efforts	-	6x400m with 90sec recovery	60-70min aerobic
Week 10	110 minutes	2x12min with 5min recovery	-	5x600m with 90sec recovery	50min aerobic
Week 11	80 minutes	2x15min with 6min recovery	-	4x1000m with 2 1/2 min recovery	60min aerobic
Week 12 (Race Week)	-	Recovery with Strides	-	4x400m with 2min recovery	30min recovery

Suggested Weekly Structure – over 100 min

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Rest or Recovery	Speed or VO2	Medium or long recovery	Day Off	Tempo/Cruise intervals/strength	Rest or Recovery	Long Aerobic

Structuring Your Training Program

You now have your key training sessions for each week leading into the half marathon. The next vital step is structuring the program so that each week you can achieve your weekly goals through completing the scheduled sessions, but also allowing enough recovery at appropriate times to ensure you get maximum adaptations from all key training sessions. To make this a little easier some suggested weekly structures are attached above, one for each training program. This shows that all intense sessions need to have a day off or an easy day prior to the interval training day. It also highlights the importance of allowing adequate recovery prior to and after your weekly long run. Your minimum training frequency should allow all key sessions to be fitted in. On top of this, other runs should be short and easy recovery runs, as described in the training session section. It is suggested, however, that most runners have one day off per week, and this should ideally be after the weekly long run. It is important to plan your weekly training schedule so that it fits in with your other commitments, such as work, family and study. A program that is not structured around outside commitments will commonly get interrupted and sessions will end up being missed. So do not aim too high by trying to squeeze too much into a busy lifestyle. Be realistic when setting your training goals and your weekly training structure.

The Final Touches of your Half Marathon Performance

You now have a well structured training program with your key sessions outlined; this should allow you to get into good run form leading into the fun run. The final preparation now involves the race itself, with the 2 key issues being pacing and nutrition. As these are complete topics in themselves, here is a brief overview.

1/ Pacing

The best pacing strategy for a runner aiming for less than 100 minutes in the half marathon is to run as close to even splits as possible throughout the event. The big mistake most people make it to go out too hard, so choose your goal speed and aim for this from the very 1st kilometre. For those running over 100 minutes it is best to start out slightly slower than your average pace. This will minimise the severity of fatigue later in the event. Do a self-assessment at the 5, 10 and 15km mark to see how you are feeling. If all is going ok and you are feeling strong, build the pace a little as the event unfolds.

2/ Nutrition

Obviously pre-event nutrition is important as is the couple of days leading into the event. However, during-event nutrition is also very important, especially for those runners taking longer than 100 minutes. Fluid should be consumed at all drink stations, for the over 100 minute runners, then carbohydrate intake becomes even more important as you are competing for longer. Sports nutrition is obviously a detailed area so please get professional advice to help you further.

In conclusion

This program should help you work towards your half marathon goal. The training program will provide a good mix of intensity, strength and aerobic work to allow you to achieve your potential. In the longer term, distance running performance is very much based on training background, or the number years spent training and therefore you will find that your performance will develop over coming years provided you follow an appropriate training program. This is especially true for those runners with less than 2-3 years in the sport.

Good luck at the Vitality Fun Run. If you require any more information and to register simply go to www.hamiltonfunrun.com.

Alternatively you can Call Mardi on 0401 572 018 or email mgill@sthgrampians.vic.gov.au

